



PRODUCT CATALOGUE 2020



aquatherm

state of the pipe



NEW ARTICLES SINCE THE VERSION 1-2020

Page Art. no. Article

aquatherm blue pipe

| | | | | | |
|----|---------|--|----|-------|------------------------------------|
| 21 | 2071112 | aquatherm blue pipe SDR9 MF RP 32 mm | 54 | 17322 | aquatherm Push-fit coupling 90 mm |
| 21 | 2071114 | aquatherm blue pipe SDR11 MF RP 40 mm | 54 | 17324 | aquatherm Push-fit coupling 110 mm |
| 21 | 2071116 | aquatherm blue pipe SDR11 MF RP 50 mm | 54 | 17326 | aquatherm Push-fit coupling 125 mm |
| 21 | 2071118 | aquatherm blue pipe SDR11 MF RP 63 mm | 54 | 17330 | aquatherm Push-fit coupling 160 mm |
| 21 | 2071120 | aquatherm blue pipe SDR11 MF RP 75 mm | 54 | 17334 | aquatherm Push-fit coupling 200 mm |
| 21 | 2071122 | aquatherm blue pipe SDR11 MF RP 90 mm | 54 | 17338 | aquatherm Push-fit coupling 250 mm |
| 21 | 2071124 | aquatherm blue pipe SDR11 MF RP 110 mm | 54 | 17342 | aquatherm Push-fit coupling 315 mm |
| 21 | 2071126 | aquatherm blue pipe SDR11 MF RP 125 mm | 54 | 17344 | aquatherm Push-fit coupling 355 mm |
| 21 | 2071130 | aquatherm blue pipe SDR11 MF RP 160 mm | 54 | 17346 | aquatherm Push-fit coupling 400 mm |
| 21 | 2071134 | aquatherm blue pipe SDR11 MF RP 200 mm | 54 | 17348 | aquatherm Push-fit coupling 450 mm |
| 21 | 2071138 | aquatherm blue pipe SDR11 MF RP 250 mm | 54 | 17422 | aquatherm Push-fit adapter 90 mm |
| 21 | 2071142 | aquatherm blue pipe SDR11 MF RP 315 mm | 54 | 17424 | aquatherm Push-fit adapter 110 mm |
| 21 | 2071144 | aquatherm blue pipe SDR11 MF RP 355 mm | 54 | 17426 | aquatherm Push-fit adapter 125 mm |
| 21 | 2071146 | aquatherm blue pipe SDR11 MF RP 400 mm | 54 | 17430 | aquatherm Push-fit adapter 160 mm |
| 21 | 2071148 | aquatherm blue pipe SDR11 MF RP 450 mm | 54 | 17434 | aquatherm Push-fit adapter 200 mm |
| 22 | 2071162 | aquatherm blue pipe SDR9 MF RP UV 32 mm | 54 | 17438 | aquatherm Push-fit adapter 250 mm |
| 23 | 2171712 | aquatherm blue pipe SDR9 MF RP OT 32 mm | 54 | 17442 | aquatherm Push-fit adapter 315 mm |
| 21 | 3570125 | aquatherm blue pipe SDR17,6 MF RP 125 mm | 54 | 17444 | aquatherm Push-fit adapter 355 mm |
| 21 | 3570130 | aquatherm blue pipe SDR17,6 MF RP 160 mm | 54 | 17446 | aquatherm Push-fit adapter 400 mm |
| 21 | 3570134 | aquatherm blue pipe SDR17,6 MF RP 200 mm | 54 | 17448 | aquatherm Push-fit adapter 450 mm |
| 21 | 3570138 | aquatherm blue pipe SDR17,6 MF RP 250 mm | 54 | 17526 | aquatherm Push-fit adapter 125 mm |
| 21 | 3570142 | aquatherm blue pipe SDR17,6 MF RP 315 mm | 54 | 17530 | aquatherm Push-fit adapter 160 mm |
| 21 | 3570144 | aquatherm blue pipe SDR17,6 MF RP 355 mm | 54 | 17534 | aquatherm Push-fit adapter 200 mm |
| 21 | 3570146 | aquatherm blue pipe SDR17,6 MF RP 400 mm | 54 | 17538 | aquatherm Push-fit adapter 250 mm |
| 21 | 3570148 | aquatherm blue pipe SDR17,6 MF RP 450 mm | 54 | 17542 | aquatherm Push-fit adapter 315 mm |
| 21 | 3570150 | aquatherm blue pipe SDR17,6 MF RP 500 mm | 54 | 17544 | aquatherm Push-fit adapter 355 mm |
| 21 | 3570154 | aquatherm blue pipe SDR17,6 MF RP 630 mm | 54 | 17546 | aquatherm Push-fit adapter 400 mm |
| | | | 54 | 17548 | aquatherm Push-fit adapter 450 mm |

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aquatherm blue pipe

| | | |
|----|---------|---|
| 21 | 2070112 | aquatherm blue pipe SDR11 MF 32 mm |
| 21 | 2070114 | aquatherm blue pipe SDR11 MF 40 mm |
| 21 | 2070116 | aquatherm blue pipe SDR11 MF 50 mm |
| 21 | 2070118 | aquatherm blue pipe SDR11 MF 63 mm |
| 21 | 2070120 | aquatherm blue pipe SDR11 MF 75 mm |
| 21 | 2070122 | aquatherm blue pipe SDR11 MF 90 mm |
| 21 | 2070124 | aquatherm blue pipe SDR11 MF 110 mm |
| 21 | 2070126 | aquatherm blue pipe SDR11 MF 125 mm |
| 21 | 2070130 | aquatherm blue pipe SDR11 MF 160 mm |
| 21 | 2070134 | aquatherm blue pipe SDR11 MF 200 mm |
| 21 | 2070138 | aquatherm blue pipe SDR11 MF 250 mm |
| 21 | 2070142 | aquatherm blue pipe SDR11 MF 315 mm |
| 21 | 2070144 | aquatherm blue pipe SDR11 MF 355 mm |
| 21 | 2070146 | aquatherm blue pipe SDR11 MF 400 mm |
| 21 | 2070148 | aquatherm blue pipe SDR11 MF 450 mm |
| 21 | 2570126 | aquatherm blue pipe SDR17,6 MF 125 mm |
| 21 | 2570130 | aquatherm blue pipe SDR17,6 MF 160 mm |
| 21 | 2570134 | aquatherm blue pipe SDR17,6 MF 200 mm |
| 21 | 2570138 | aquatherm blue pipe SDR17,6 MF 250 mm |
| 21 | 2570142 | aquatherm blue pipe SDR17,6 MF 315 mm |
| 21 | 2570144 | aquatherm blue pipe SDR17,6 MF 355 mm |
| 21 | 2570146 | aquatherm blue pipe SDR17,6 MF 400 mm |
| 21 | 2570148 | aquatherm blue pipe SDR17,6 MF 450 mm |
| 21 | 2570150 | aquatherm blue pipe SDR17,6 MF 500 mm |
| 21 | 2570154 | aquatherm aqt blue pipe SDR 17,6 MF RP 630 mm |
| 22 | 2070162 | aquatherm blue pipe SDR 9 MF RP UV 32 mm |
| 23 | 2010212 | aquatherm blue pipe SDR11 S 32 mm |

All prices are for piece, m, m², kg or set. PU = packaging unit

Recommended retail price of the manufacturer.

Our sales and delivery conditions (January 2014) and the contacts of our technical sales and distribution see on our homepage www.aquatherm.de

Technical details and prices are subject to change. With the edition of this price list, all former ones become void.

NEW ARTICLES SINCE THE VERSION 2019

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aquatherm control components

| | | |
|-----|-------|--|
| 146 | 94402 | aquatherm heating circuit manifold with flow indicator 2-fold |
| 146 | 94403 | aquatherm heating circuit manifold with flow indicator 3-fold |
| 146 | 94404 | aquatherm heating circuit manifold with flow indicator 4-fold |
| 146 | 94405 | aquatherm heating circuit manifold with flow indicator 5-fold |
| 146 | 94406 | aquatherm heating circuit manifold with flow indicator 6-fold |
| 146 | 94407 | aquatherm heating circuit manifold with flow indicator 7-fold |
| 146 | 94408 | aquatherm heating circuit manifold with flow indicator 8-fold |
| 146 | 94409 | aquatherm heating circuit manifold with flow indicator 9-fold |
| 146 | 94410 | aquatherm heating circuit manifold with flow indicator 10-fold |
| 146 | 94411 | aquatherm heating circuit manifold with flow indicator 11-fold |
| 146 | 94412 | aquatherm heating circuit manifold with flow indicator 12-fold |
| 146 | 94413 | aquatherm ball valve set |

| | | |
|-----|-------|--|
| 146 | 94414 | aquatherm ball valve set corner design |
| 146 | 94415 | aquatherm Strangregulierset für Verteiler |
| 146 | 94416 | aquatherm line control valve set for manifold |
| 147 | 94417 | aquatherm central radio unit |
| 147 | 94418 | aquatherm radio room thermostat |
| 148 | 94419 | aquatherm radio room thermostat (programmable) |
| 148 | 94420 | aquatherm radio room thermostat |
| 149 | 94421 | aquatherm management module |
| 148 | 94422 | aquatherm radio control distributor |
| 148 | 94423 | aquatherm radio control distributor 4-fold |
| 149 | 94424 | aquatherm single radio receiver |
| 149 | 94425 | aquatherm radio repeater |
| 149 | 94426 | aquatherm dewpoint sensor |

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aquatherm green pipe

| | | |
|----|-------|--|
| 14 | 10110 | aquatherm green pipe SDR 6 S pipe 25 mm; only on request |
| 22 | 10186 | aquatherm pipe support 10.4 mm |
| 22 | 85110 | aquatherm pipe support 11.4 mm |

aquatherm blue pipe

| | | |
|----|-----------------|---|
| 17 | 2070712 | aquatherm blue pipe SDR 7.4 MF 32 mm |
| 17 | 2570152 | aquatherm blue pipe SDR 17.6 MF 560 mm |
| 18 | 2070762 | aquatherm blue pipe SDR 7.4 MF UV 32 mm |
| 18 | 2570194–2570204 | aquatherm blue pipe SDR 17.6 355–630 mm |
| 19 | 2170712 | aquatherm blue pipe SDR 7.4 MF OT 32 mm |
| 21 | 60788 | aquatherm blue pipe pipe clamp 560 mm |
| 26 | 2511213–2511215 | aquatherm SDR 17.6 red. socket 560 mm |
| 26 | 2511219 | aquatherm blue pipe SDR 17.6 red. socket 630 mm |
| 26 | 2512152 | aquatherm blue pipe SDR 17.6 elbow 90° butt welding 560 mm |
| 28 | 2512552 | aquatherm blue pipe SDR 17.6 elbow 45° butt welding 560 mm |
| 29 | 2513130 | aquatherm blue pipe SDR 17.6 t-piece 160–250 mm |
| 29 | 2513152 | aquatherm blue pipe SDR 17.6 t-piece 560 mm |
| 35 | 2513821 | aquatherm blue pipe SDR 17.6 Red.-T-Stück 560 mm |
| 35 | 2513823–2513833 | aquatherm blue pipe SDR 17.6 red.-t-piece socket 560 mm |
| 36 | 2513852 | aquatherm blue pipe SDR 17.6 red.-t-piece 560 mm |
| 38 | 2514152 | aquatherm blue pipe SDR 17.6 end cap butt welding 560 mm |
| 45 | 2515552 | aquatherm blue pipe SDR 17.6 flange adapter butt welding 560 mm |
| 47 | 15752 | aquatherm blue pipe SDR 17.6 plastic coated steel flange 560 mm |
| 73 | 2041920–2041926 | aquatherm blue pipe non-return valve 75–125 mm |
| 73 | 2041930–2041942 | aquatherm blue pipe SDR11 non-return valve 160–315 mm |
| 73 | 2541930–2541942 | aquatherm blue pipe SDR 17.6 non-return valve 160–315 mm |

aquatherm lilac pipe

| | | |
|----|---------|------------------------------------|
| 20 | 9010808 | aquatherm lilac pipe SDR 7.4 20 mm |
| 20 | 9010810 | aquatherm lilac pipe SDR 7.4 25 mm |
| 20 | 9010212 | aquatherm lilac pipe SDR 11 32 mm |
| 20 | 9010214 | aquatherm lilac pipe SDR 11 40 mm |
| 20 | 9010216 | aquatherm lilac pipe SDR 11 50 mm |
| 20 | 9010218 | aquatherm lilac pipe SDR 11 63 mm |
| 20 | 9010220 | aquatherm lilac pipe SDR 11 75 mm |
| 20 | 9010222 | aquatherm lilac pipe SDR 11 90 mm |
| 20 | 9010224 | aquatherm lilac pipe SDR 11 110 mm |
| 20 | 9010226 | aquatherm lilac pipe SDR 11 125 mm |

aquatherm ti

the following aquatherm ti articles are only on request:

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|----|---------|--|
| 77 | 1370733 | aquatherm green pipe ti SDR 9 5.8 m 200 mm |
| 77 | 1370734 | aquatherm green pipe ti SDR 9 11.6 m 200 mm |
| 77 | 1370737 | aquatherm green pipe ti SDR 9 5.8 m 250 mm |
| 77 | 1370738 | aquatherm green pipe ti SDR 9 11.6 m 250 mm |
| 77 | 1370741 | aquatherm green pipe ti SDR 9 5.8 m 315 mm |
| 77 | 1370742 | aquatherm green pipe ti SDR 9 11.6 m 315 mm |
| 77 | 1370743 | aquatherm green pipe ti SDR 9 5.8 m 355 mm |
| 77 | 1370744 | aquatherm green pipe ti SDR 9 11.6 m 355 mm |
| 78 | 1312534 | aquatherm green pipe ti SDR 9 elbow 45° 200 mm |
| 78 | 1312538 | aquatherm green pipe ti SDR 9 elbow 45° 250 mm |
| 78 | 1312542 | aquatherm green pipe ti SDR 9 elbow 45° 315 mm |
| 78 | 1312544 | aquatherm green pipe ti SDR 9 elbow 45° 355 mm |
| 79 | 1312134 | aquatherm green pipe ti SDR 9 elbow 90° 200 mm |
| 79 | 1312138 | aquatherm green pipe ti SDR 9 elbow 90° 250 mm |

| | | |
|----|-----------------|---|
| 79 | 1312142 | aquatherm green pipe ti SDR 9 elbow 90° 315 mm |
| 79 | 1312144 | aquatherm green pipe ti SDR 9 elbow 90° 355 mm |
| 79 | 1313134 | aquatherm green pipe ti SDR 9 branch 200 mm |
| 79 | 1313138 | aquatherm green pipe ti SDR 9 branch 250 mm |
| 79 | 1313142 | aquatherm green pipe ti SDR 9 branch 315 mm |
| 79 | 1313144 | aquatherm green pipe ti SDR 9 branch 355 mm |
| 80 | 1318112 | aquatherm green pipe ti SDR 9 cross-over branch 32 mm |
| 80 | 1318114 | aquatherm green pipe ti SDR 9 cross-over branch 40 mm |
| 80 | 1318116 | aquatherm green pipe ti SDR 9 cross-over branch 50 mm |
| 80 | 1318118 | aquatherm green pipe ti SDR 9 cross-over branch 63 mm |
| 80 | 1318120 | aquatherm green pipe ti SDR 9 cross-over branch 75 mm |
| 80 | 1318122 | aquatherm green pipe ti SDR 9 cross-over branch 90 mm |
| 80 | 1318124 | aquatherm green pipe ti SDR 9 cross-over branch 110 mm |
| 80 | 1318126 | aquatherm green pipe ti SDR 9 cross-over branch 125 mm |
| 80 | 1318130 | aquatherm green pipe ti SDR 9 cross-over branch 160 mm |
| 80 | 1318134 | aquatherm green pipe ti SDR 9 cross-over branch 200 mm |
| 80 | 1318138 | aquatherm green pipe ti SDR 9 cross-over branch 250 mm |
| 80 | 1318142 | aquatherm green pipe ti SDR 9 cross-over branch 315 mm |
| 80 | 1318144 | aquatherm green pipe ti SDR 9 cross-over branch 355 mm |
| 81 | 1313202 | aquatherm green pipe ti SDR 9 red.-branch 40 mm |
| 81 | 1313206–1313208 | aquatherm green pipe ti SDR 9 red.-branch 50 mm |
| 81 | 1313212–1313216 | aquatherm green pipe ti SDR 9 red.-branch 63 mm |
| 81 | 1313220–1313226 | aquatherm green pipe ti SDR 9 red.-branch 75 mm |
| 81 | 1313230–1313238 | aquatherm green pipe ti SDR 9 red.-branch 90 mm |
| 81 | 1313242–1313252 | aquatherm green pipe ti SDR 9 red.-branch 110 mm |
| 81 | 1313256–1313268 | aquatherm green pipe ti SDR 9 red.-branch 125 mm |
| 81 | 1313290–1313304 | aquatherm green pipe ti SDR 9 red.-branch 160 mm |
| 82 | 1313332–1313350 | aquatherm green pipe ti SDR 9 red.-branch 200 mm |
| 82 | 1313382–1313402 | aquatherm green pipe ti SDR 9 red.-branch 250 mm |
| 82 | 1313432 | aquatherm green pipe ti SDR 9 red.-branch 315 mm |
| 82 | 1313436–1313466 | aquatherm green pipe ti SDR 9 red.-branch 355 mm |
| 83 | 1318202 | aquatherm green pipe ti SDR 9 red. cross-over branch 40 mm |
| 83 | 1318206–1318208 | aquatherm green pipe ti SDR 9 red. cross-over branch 50 mm |
| 83 | 1318212–1318216 | aquatherm green pipe ti SDR 9 red. cross-over branch 63 mm |
| 83 | 1318220–1318226 | aquatherm green pipe ti SDR 9 red. cross-over branch 75 mm |
| 83 | 1318230–1318238 | aquatherm green pipe ti SDR 9 red. cross-over branch 90 mm |
| 83 | 1318242–1318252 | aquatherm green pipe ti SDR 9 red. cross-over branch 110 mm |
| 83 | 1318256–1318268 | aquatherm green pipe ti SDR 9 red. cross-over branch 125 mm |
| 83 | 1318290–1318304 | aquatherm green pipe ti SDR 9 red. cross-over branch 160 mm |
| 84 | 1318332–1318350 | aquatherm green pipe ti SDR red. cross-over branch 200 mm |
| 84 | 1318382–1318402 | aquatherm green pipe ti SDR red. cross-over branch 250 mm |
| 84 | 1318406–1318432 | aquatherm green pipe ti SDR red. cross-over branch 315 mm |
| 84 | 1318436–1318466 | aquatherm green pipe ti SDR red. cross-over branch 355 mm |
| 88 | 1311275 | aquatherm green pipe ti insulation-red.-socket-set 160/110 mm SDR9 |
| 88 | 1311277 | aquatherm green pipe ti insulation-red.-socket-set 160/125 mm SDR9 |
| 88 | 1311283 | aquatherm green pipe ti insulation-red.-socket-set 200/125 mm SDR9 |
| 88 | 1311285 | aquatherm green pipe ti insulation-red.-socket-set 200/160 mm SDR9 |
| 88 | 1311289 | aquatherm green pipe ti insulation-red.-socket-set 250/160 mm SDR9 |
| 88 | 1311291 | aquatherm green pipe ti insulation-red.-socket-set 250/200 mm SDR9 |
| 88 | 1311297 | aquatherm green pipe ti insulation-red.-socket-set 315/200 mm SDR9 |
| 88 | 1311299 | aquatherm green pipe ti insulation-red.-socket-set 315/250 mm SDR9 |
| 88 | 1311305 | aquatherm green pipe ti insulation-red.-socket-set 355/250 mm SDR9 |
| 88 | 1311307 | aquatherm green pipe ti insulation-red.-socket-set ti 355/315 mm SDR9 |

aquatherm Prefabrication

| | | |
|-----|-----------------|---|
| 108 | 7270729–7270743 | aquatherm green pipe SDR 9 pipe two-sided 5.8m |
| 108 | 7310229–7310247 | aquatherm green pipe SDR 11 pipe two-sided 5.8m |
| 108 | 8370129–8370147 | aquatherm blue pipe SDR 11 pipe two-sided 5.8m |
| 108 | 8570129–8570137 | aquatherm blue pipe ot SDR 11 pipe two-sided 5.8m |
| 108 | 8470129–8470153 | aquatherm blue pipe SDR 17.6 pipe two-sided 5.8m |
| 108 | 7270730–7270744 | aquatherm green pipe SDR 9 pipe two-sided 11.6m |
| 108 | 7310230–7310248 | aquatherm green pipe SDR 11 pipe two-sided 11.6m |

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| | | |
|-----|-----------------|--|
| 108 | 8370130–8370148 | aquatherm blue pipe SDR 11 pipe two-sided 11.6m |
| 108 | 8570130–8570138 | aquatherm blue pipe ot SDR 11 pipe two-sided 11.6m |
| 108 | 8470130–8470154 | aquatherm blue pipe SDR 17.6 pipe two-sided 11.6m |
| 108 | 7270829–7270843 | aquatherm green pipe SDR 9 pipe one-sided 5.8m |
| 108 | 7310329–7310347 | aquatherm green pipe SDR 11 pipe one-sided 5.8m |
| 108 | 8370329–8370347 | aquatherm blue pipe SDR 11 pipe one-sided 5.8m |
| 108 | 8570329–8570337 | aquatherm blue pipe ot SDR 11 pipe one-sided 5.8m |
| 108 | 8470329–8470353 | aquatherm blue pipe ot SDR 17.6 pipe one-sided 5.8m |
| 109 | 7270830–7270844 | aquatherm green pipe SDR 9 pipe one-sided 11.6m |
| 109 | 7310330–7310348 | aquatherm green pipe SDR 11 pipe one-sided 11.6m |
| 109 | 8370330–8370348 | aquatherm blue pipe SDR 11 pipe one-sided 11.6m |
| 109 | 8570330–8570338 | aquatherm blue pipe ot SDR 11 pipe one-sided 11.6m |
| 109 | 8470330–8470354 | blue pipe SDR 17.6 pipe one-sided 11.6m |
| 109 | 7212130–7212144 | aquatherm green pipe SDR 9 elbow 90° two-sided |
| 109 | 7312131–7312149 | aquatherm green pipe SDR 11 elbow 90° two-sided |
| 109 | 8312131–8312149 | aquatherm blue pipe SDR 11 elbow 90° two-sided |
| 109 | 8512131–8512139 | aquatherm blue pipe ot SDR 11 elbow 90° two-sided |
| 109 | 8412130–8412154 | aquatherm blue pipe SDR 17.6 elbow 90° two-sided |
| 110 | 7470729–7470743 | aquatherm green pipe ti SDR 9 pipe two-sided 5.8m |
| 110 | 8770129–8770143 | aquatherm blue pipe ti SDR 11 pipe two-sided 5.8m |
| 110 | 8970129–8970137 | aquatherm blue pipe ot ti SDR 11 pipe two-sided 5.8m |
| 110 | 8870129–8870143 | aquatherm blue pipe ot ti SDR 17.6 pipe two-sided 5.8m |
| 110 | 7470730–7470744 | aquatherm green pipe ti SDR 9 pipe two-sided 11.6m |
| 110 | 8770130–8770144 | aquatherm green blue ti SDR 11 pipe two-sided 11.6m |
| 110 | 8970130–8970138 | aquatherm green blue ot ti SDR 11 pipe two-sided 11.6m |
| 110 | 8870130–8870144 | aquatherm green blue ti SDR 17.6 pipe two-sided 11.6m |
| 110 | 7470829–7470843 | aquatherm green pipe ti SDR 9 pipe one-sided 5.8m |
| 110 | 8770329–8770343 | aquatherm blue pipe ti SDR 11 pipe one-sided 5.8m |
| 110 | 8970329–8970337 | aquatherm blue pipe ot ti SDR 11 pipe one-sided 5.8m |
| 110 | 8870329–8870343 | aquatherm blue pipe ti SDR 17.6 pipe one-sided 5.8m |
| 111 | 7470830–7470844 | aquatherm green pipe ti SDR 9 pipe one-sided 11.6m |
| 111 | 8770330–8770344 | aquatherm blue pipe ti SDR 11 pipe one-sided 11.6m |
| 111 | 8970330–8970338 | aquatherm blue pipe ot ti SDR 11 pipe one-sided 11.6m |
| 111 | 8870330–8870344 | aquatherm blue pipe ti SDR 17.6 pipe one-sided 11.6m |
| 111 | 7412130–7412144 | aquatherm green pipe ti SDR 9 elbow 90° two-sided |
| 111 | 8712131–8712145 | aquatherm blue pipe ti SDR 11 elbow 90° two-sided |
| 111 | 8912131–8912139 | aquatherm blue pipe ot ti SDR 11 elbow 90° |
| 111 | 8812130–8812144 | aquatherm blue pipe ti SDR 17.6 elbow 90° two-sided |

aquatherm Tools

| | | |
|----|-------|------------------------|
| 98 | 50954 | aquatherm drill 110 mm |
| 98 | 50956 | aquatherm drill 125 mm |
| 98 | 50958 | aquatherm drill 160 mm |

aquatherm grey pipe

| | | |
|-----|---------------|---|
| 117 | 779110–779140 | aquatherm grey pipe reducing tee |
| 120 | 778050 | aquatherm grey pipe universal manifold triple |
| 120 | 778052 | aquatherm grey pipe universal manifold fourfold |
| 121 | 778054 | aquatherm grey pipe universal manifold fivefold |
| 121 | 778200–778206 | aquatherm grey pipe distribution block |
| 121 | 78220 | Insulation for aquatherm grey pipe distribution block |
| 121 | 78228 | aquatherm grey pipe end piece |
| 122 | 778308 | aquatherm grey pipe adapter 32 mm green x 25 mm grey |
| 122 | 778320 | aquatherm grey pipe adapter 16 mm green x 16 mm grey |
| 122 | 778404–778408 | aquatherm grey pipe weld-in saddle adapter |
| 124 | 50814 | aquatherm grey pipe false jaws for expanding tool 10 mm |
| 124 | 83306 | aquatherm grey pipe radiator connection piece |
| 125 | 50804 | aquatherm grey pipe tool case für 16-20 mm |
| 125 | 50824 | aquatherm grey pipe tool insert 10 mm |

aquatherm orange system

| | | |
|-----|-------|--|
| 142 | 90024 | aquatherm orange system surface heating and radiator connecting pipe 16x2 mm |
| 142 | 90027 | aquatherm orange system surface heating and radiator connecting pipe 17x2 mm |
| 142 | 90034 | aquatherm orange system surface heating and radiator connecting pipe (PE-RT) 14x2 mm |
| 142 | 90306 | aquatherm orange system surface heating and radiator connecting pipe (PB) 16x2 mm |
| 142 | 90316 | aquatherm orange system surface heating and radiator connecting pipe (PB) 16x2 mm |
| 143 | 92104 | aquatherm orange system euroconus connector 14x2 mm |
| 144 | 78404 | aquatherm orange system weld-in saddle adapter 40 x 20 mm |
| 144 | 78408 | aquatherm orange system weld-in saddle adapter 50 x 20 mm |
| 148 | 92162 | aquatherm orange system fixed command control |
| 148 | 92163 | aquatherm orange system flow indicator for fixed value setting |

aquatherm black system

Connection type 52, only on request:

| | | |
|-----|---------|---|
| 130 | 5224275 | aquatherm black system heating and cooling grid 0,24 x 2,75 m |
| 130 | 5224300 | aquatherm black system heating and cooling grid 0,24 x 3,00 m |
| 130 | 5224325 | aquatherm black system heating and cooling grid 0,24 x 3,25 m |
| 130 | 5224350 | aquatherm black system heating and cooling grid 0,24 x 3,50 m |
| 130 | 5224375 | aquatherm black system heating and cooling grid 0,24 x 3,75 m |
| 130 | 5224400 | aquatherm black system heating and cooling grid 0,24 x 4,00 m |
| 130 | 5224425 | aquatherm black system heating and cooling grid 0,24 x 4,25 m |
| 130 | 5224450 | aquatherm black system heating and cooling grid 0,24 x 4,50 m |
| 130 | 5224475 | aquatherm black system heating and cooling grid 0,24 x 4,75 m |
| 130 | 5224500 | aquatherm black system heating and cooling grid 0,24 x 5,00 m |
| 130 | 5228250 | aquatherm black system heating and cooling grid 0,28 x 2,75 m |
| 130 | 5228300 | aquatherm black system heating and cooling grid 0,28 x 3,00 m |
| 130 | 5228325 | aquatherm black system heating and cooling grid 0,28 x 3,25 m |
| 130 | 5228350 | aquatherm black system heating and cooling grid 0,28 x 3,50 m |
| 130 | 5228375 | aquatherm black system heating and cooling grid 0,28 x 3,75 m |
| 130 | 5228400 | aquatherm black system heating and cooling grid 0,28 x 4,00 m |
| 130 | 5228425 | aquatherm black system heating and cooling grid 0,28 x 4,25 m |
| 130 | 5228450 | aquatherm black system heating and cooling grid 0,28 x 4,50 m |
| 130 | 5228475 | aquatherm black system heating and cooling grid 0,28 x 4,75 m |
| 130 | 5228500 | aquatherm black system heating and cooling grid 0,28 x 5,00 m |
| 131 | 5232275 | aquatherm black system heating and cooling grid 0,32 x 2,75 m |
| 131 | 5232300 | aquatherm black system heating and cooling grid 0,32 x 3,00 m |
| 131 | 5232325 | aquatherm black system heating and cooling grid 0,32 x 3,25 m |
| 131 | 5232350 | aquatherm black system heating and cooling grid 0,32 x 3,50 m |
| 131 | 5232375 | aquatherm black system heating and cooling grid 0,32 x 3,75 m |
| 131 | 5232400 | aquatherm black system heating and cooling grid 0,32 x 4,00 m |
| 131 | 5232425 | aquatherm black system heating and cooling grid 0,32 x 4,25 m |
| 131 | 5232450 | aquatherm black system heating and cooling grid 0,32 x 4,50 m |
| 131 | 5232475 | aquatherm black system heating and cooling grid 0,32 x 4,75 m |
| 131 | 5232500 | aquatherm black system heating and cooling grid 0,32 x 5,00 m |
| 131 | 5236275 | aquatherm black system heating and cooling grid 0,36 x 2,75 m |
| 131 | 5236300 | aquatherm black system heating and cooling grid 0,36 x 3,00 m |
| 131 | 5236325 | aquatherm black system heating and cooling grid 0,36 x 3,25 m |
| 131 | 5236350 | aquatherm black system heating and cooling grid 0,36 x 3,50 m |
| 131 | 5236375 | aquatherm black system heating and cooling grid 0,36 x 3,75 m |
| 131 | 5236400 | aquatherm black system heating and cooling grid 0,36 x 4,00 m |
| 131 | 5236425 | aquatherm black system heating and cooling grid 0,36 x 4,25 m |
| 131 | 5236450 | aquatherm black system heating and cooling grid 0,36 x 4,50 m |
| 131 | 5236475 | aquatherm black system heating and cooling grid 0,36 x 4,75 m |
| 131 | 5236500 | aquatherm black system heating and cooling grid 0,36 x 5,00 m |
| 132 | 5240275 | aquatherm black system heating and cooling grid 0,40 x 2,75 m |
| 132 | 5240300 | aquatherm black system heating and cooling grid 0,40 x 3,00 m |
| 132 | 5240325 | aquatherm black system heating and cooling grid 0,40 x 3,25 m |
| 132 | 5240350 | aquatherm black system heating and cooling grid 0,40 x 3,50 m |
| 132 | 5240375 | aquatherm black system heating and cooling grid 0,40 x 3,75 m |
| 132 | 5240400 | aquatherm black system heating and cooling grid 0,40 x 4,00 m |
| 132 | 5240425 | aquatherm black system heating and cooling grid 0,40 x 4,25 m |
| 132 | 5240450 | aquatherm black system heating and cooling grid 0,40 x 4,50 m |
| 132 | 5240475 | aquatherm black system heating and cooling grid 0,40 x 4,75 m |
| 132 | 5240500 | aquatherm black system heating and cooling grid 0,40 x 5,00 m |
| 132 | 5248275 | aquatherm black system heating and cooling grid 0,48 x 2,75 m |
| 132 | 5248300 | aquatherm black system heating and cooling grid 0,48 x 3,00 m |
| 132 | 5248325 | aquatherm black system heating and cooling grid 0,48 x 3,25 m |
| 132 | 5248350 | aquatherm black system heating and cooling grid 0,48 x 3,50 m |
| 132 | 5248375 | aquatherm black system heating and cooling grid 0,48 x 3,75 m |
| 132 | 5248400 | aquatherm black system heating and cooling grid 0,48 x 4,00 m |
| 132 | 5248425 | aquatherm black system heating and cooling grid 0,48 x 4,25 m |
| 132 | 5248450 | aquatherm black system heating and cooling grid 0,48 x 4,50 m |
| 132 | 5248475 | aquatherm black system heating and cooling grid 0,48 x 4,75 m |
| 132 | 5248500 | aquatherm black system heating and cooling grid 0,48 x 5,00 m |
| 133 | 5252275 | aquatherm black system heating and cooling grid 0,52 x 2,75 m |
| 133 | 5252300 | aquatherm black system heating and cooling grid 0,52 x 3,00 m |
| 133 | 5252325 | aquatherm black system heating and cooling grid 0,52 x 3,25 m |
| 133 | 5252350 | aquatherm black system heating and cooling grid 0,52 x 3,50 m |
| 133 | 5252375 | aquatherm black system heating and cooling grid 0,52 x 3,75 m |
| 133 | 5252400 | aquatherm black system heating and cooling grid 0,52 x 4,00 m |
| 133 | 5252425 | aquatherm black system heating and cooling grid 0,52 x 4,25 m |
| 133 | 5252450 | aquatherm black system heating and cooling grid 0,52 x 4,50 m |
| 133 | 5252475 | aquatherm black system heating and cooling grid 0,52 x 4,75 m |
| 133 | 5252500 | aquatherm black system heating and cooling grid 0,52 x 5,00 m |
| 133 | 5256275 | aquatherm black system heating and cooling grid 0,56 x 2,75 m |
| 133 | 5256300 | aquatherm black system heating and cooling grid 0,56 x 3,00 m |
| 133 | 5256325 | aquatherm black system heating and cooling grid 0,56 x 3,25 m |
| 133 | 5256350 | aquatherm black system heating and cooling grid 0,56 x 3,50 m |
| 133 | 5256375 | aquatherm black system heating and cooling grid 0,56 x 3,75 m |
| 133 | 5256400 | aquatherm black system heating and cooling grid 0,56 x 4,00 m |
| 133 | 5256425 | aquatherm black system heating and cooling grid 0,56 x 4,25 m |
| 133 | 5256450 | aquatherm black system heating and cooling grid 0,56 x 4,50 m |
| 133 | 5256475 | aquatherm black system heating and cooling grid 0,56 x 4,75 m |
| 133 | 5256500 | aquatherm black system heating and cooling grid 0,56 x 5,00 m |
| 134 | 5260275 | aquatherm black system heating and cooling grid 0,60 x 2,75 m |
| 134 | 5260300 | aquatherm black system heating and cooling grid 0,60 x 3,00 m |
| 134 | 5260325 | aquatherm black system heating and cooling grid 0,60 x 3,25 m |

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PRODUCTS

aquatherm is the leading manufacturer of polypropylene pipe systems for plant engineering and building services. The numerous product lines provide superior solutions in potable water applications, heating systems, fire sprinkler systems, air-conditioning and refrigeration technology, as well as in surface heating and cooling systems. The product range comprises more than 17,000 articles in six product lines.

| | | Dimension [mm] | | | | | | | | | | | | | | | | | |
|-------------------------|--------------------|----------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 16 | 17 | 20 | 25 | 32 | 40 | 50 | 63 | 75 | 90 | 110 | 125 | 160 | 200 | 250 | 315 | 355 | 400 |
| aquatherm green pipe | SDR 6 S | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| aquatherm green pipe | SDR 7,4 S | ● | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| aquatherm green pipe | SDR 7,4 MF | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| aquatherm green pipe | SDR 7,4 MF UV | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| aquatherm green pipe | SDR 9 MF RP | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| aquatherm green pipe | SDR 9 MF RP UV | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| aquatherm green pipe | SDR 9 MF RP TI | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| aquatherm green pipe | SDR 11 S | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| aquatherm green pipe | SDR 11 MF | | | | | | | | | | | | | | | | | | ● |
| aquatherm blue pipe | SDR 7,4 MF | | | ● | ● | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 7,4 MF UV | | | ● | ● | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 7,4 MF OT | | | ● | ● | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 9 MF RP | | | | | ● | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 9 MF RP UV | | | | | ● | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 9 MF RP OT | | | | | ● | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 9 MF RP TI | | | | | ● | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 9 MF RP OT TI | | | | | ● | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 11 S | | | ● | ● | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 11 MF RP | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| aquatherm blue pipe | SDR 11 MF RP UV | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| aquatherm blue pipe | SDR 11 MF RP OT | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| aquatherm blue pipe | SDR 11 MF RP TI | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| aquatherm blue pipe | SDR 11 MF RP OT TI | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| aquatherm blue pipe | SDR 17,6 MF RP | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● |
| aquatherm blue pipe | SDR 17,6 MF RP UV | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● |
| aquatherm blue pipe | SDR 17,6 MF RP TI | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● |
| aquatherm red pipe | SDR 7,4 MF HI | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| aquatherm black system | M OT | | | | | | | | | | | | | | | | | | |
| aquatherm orange system | M OT | ● | ● | ● | ● | | | | | | | | | | | | | | |
| aquatherm grey pipe | M OT | ● | | ● | ● | ● | | | | | | | | | | | | | |

AQUATHERM BLUE PIPE SYSTEM TO FEATURE INCREASED PRESSURE RESISTANCE

fusiolen® PP-RCT will be standard for SDRs 9, 11, and 17.6 beginning April 1

Piping products with increased pressure resistance are increasingly in demand in the heating and cooling market. aquatherm is pleased to meet this demand by announcing that aquatherm blue pipe in SDR 11 and SDR 17.6 will be converted to the material fusiolen® PP-RCT beginning April 1, 2020 and will be renamed aquatherm blue pipe MF RP. The change in material is accompanied by a new appearance: All aquatherm blue pipe products will be single-coloured blue without green stripes in the future.

The fusiolen® PP-RCT material is characterized by increased pressure resistance at higher temperatures. With this change, aquatherm blue pipe will be an even better fit for applications such as high-pressure risers, high-temperature heating and district heating, and industrial process systems. The fusiolen® PP-RCT material will continue to weigh significantly less than steel, copper and stainless-steel pipe, thereby simplifying handling during transport, in fabrication shops and on the construction site.

fusiolen® PP-RCT is classified as a polypropylene random copolymer with increased pressure resistance in accordance with ISO 15874. It meets the most stringent international and national standards for polypropylene pressure piping. With the same outside diameter and same wall thickness, pipes made of fusiolen® PP-RCT can withstand higher pressures than PP-R pipes, especially at higher temperatures. The connection technology remains the same as it is for PP-R: aquatherm blue pipe MF RP can be heat-fused to all aquatherm green pipe fittings using the same fusion tools as PP-R pipe.

The industry leader in polypropylene piping systems, aquatherm developed fusiolen® PP-RCT in 2012 as an option for green pipe systems requiring in-

creased pressure resistance at higher temperatures. At that time, the new aquatherm green pipe SDR 9 MF RP pipe series was introduced. In 2016, aquatherm blue pipe SDR 9 MF RP was launched in North America based on this material and technology. This is now being expanded to include SDR 11 and SDR 17.6 globally.

The changeover to aquatherm blue pipe MF RP in SDR 11 and SDR 17.6 will take place on April 1, 2020. Depending on the country and retailer it may be several months before the PP-RCT products completely replace PP-R products.

About fusiolen®:

In 1979, aquatherm has developed its own, innovative polypropylene material fusiolen®. fusiolen® is respected worldwide for its consistency, chemical purity, and low environmental impact. Continuous research and development have led to enhanced properties as well as to new materials like fusiolen® PP-R FS and fusiolen® PP-RCT.



PREFABRICATION MADE TO MEASURE

aquatherm offers customized solutions

Time is money! That piece of life wisdom proves itself daily, especially in the construction industry. The sanitary, heating, and air conditioning installations of every building object are often a temporal challenge, and not only for the architects and planners: the implementation on site also can present the executing site managers with significant challenges caused by tight schedules and difficult external conditions. To address such challenges, aquatherm prefabrication offers customized solutions.

aquatherm prefabrication takes place in a clean, controlled environment. Dirty, dusty, and cold installation conditions — which can be commonplace on construction sites — thus have no influence on the final product. Another advantage is the time savings of professional prefabrication. Direct access to all articles in stock enables a quick reaction to any special need and allows a solution to be implemented without time delay.

Prefabrication is also a way to counteract the skills shortage by shifting the complexity and effort from the construction site to the manufacturer, thus creating free space on site.

Due to the diversity of today's applications, there is hardly any way to cover the distribution of liquid media through a standardized or modular distribution design. Every building project has its own individual requirements. The type of medium, application areas, regulations and laws, and architectural conditions all affect the material and design of the piping system. That's why whether new building or renovation, heating and cooling, open or closed systems, drinking water or aggressive media, aquatherm offers customized solutions.




















aquatherm prefabrication is equipped to handle the special components that are playing an increasingly important role in today's challenging and unusual construction projects. Ring-shaped installations in buildings with cylindrical design or storage tanks, as well as pyramids with extreme angles have already been equipped with special components by aquatherm.

aquatherm plans and builds manifolds and special components directly in its own workshop according to customer's specifications and sends them ready for installation anywhere in the world. To start the process, only the corresponding planning data, 3D drawings and/or sketches with dimensions are required. Subsequently, aquatherm will supply a quotation including material extracts and drawings. And all along the way a competent team of experienced technicians will stand by the customer with help and advice.



aquatherm plans and builds fixtures and special components directly in its own workshop according to customer's specifications and sends them ready for installation anywhere in the world.

Fields of application

- | | |
|--|---|
|  potable water application |  sports floor heating and cooling |
|  heating system construction |  swimming-pool technology |
|  connection heating and cooling |  chemical transport |
|  underfloor heating |  rainwater application |
|  wall heating |  irrigation |
|  ceiling heating and cooling |  fire protection sprinkler-systems |
|  industrial floor cooling |  application in the field of ship building |
|  industrial floor heating |  district heating pipeline systems |
|  chilled water technology |  geothermal |
|  agriculture | |

Abbreviations pipe structure

| | |
|----|-------------------------------|
| S | single-layer |
| M | multi-layer |
| MF | multi-layer, fibre-reinforced |
| RP | raised pressure resistance |
| UV | UV-resistant |
| OT | oxygen-tight |
| TI | thermally isolated |

Abbreviations material

| | |
|--------|---|
| PP | polypropylene |
| PP-R | polypropylene random copolymer |
| PP-RCT | polypropylen random copolymer with raised pressure resistance |
| PE-RT | polyethylene with raised temperature resistance |

COLOUR SCHEME

For the presentation of combinable products.

◆ = Only available on request.

| Systems | | <ul style="list-style-type: none"> • aquatherm green pipe • aquatherm blue pipe |
|---------|---|---|
| • | | Only applicable with aquatherm green pipe |
| | • | Only applicable with aquatherm blue pipe |
| • | • | Applicable with aquatherm green pipe and aquatherm blue pipe |

aquatherm green pipe

aquatherm green pipe has revolutionized the plastic piping sector and has proven its technical suitability worldwide for decades. The innovative green pipe from aquatherm is made of corrosion-resistant, chemically inert polypropylene. It is completely free of heavy metals and toxic chemicals and thus ideally suited for potable water applications. aquatherm green pipe also can be used for swimming pools, agriculture, shipbuilding, or the transport of chemicals. It is joined using reliable heat fusion, which eliminates the hazards of welding and creates virtually leak-free connections.

The system includes the different types of pipes in SDR 6, SDR 7.4, SDR 9 and SDR 11. Some of these pipe series also include special reinforced fibre composite pipes. More than 450 joining and connection elements as well as valves and ball valves complete the system. The products are available in dimensions from 16 mm to 450 mm diameter.

Pipe system made of polypropylene for potable water supply

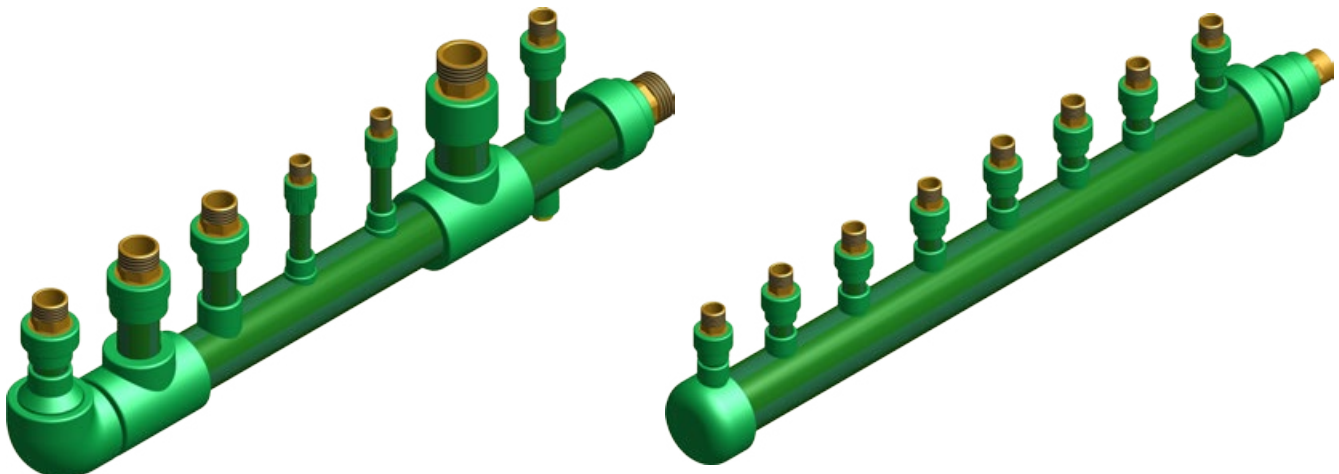
| | | Dimension [mm] | | | | | | | | | | | | | | | | | |
|----------------------|----------------|----------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 75 | 90 | 110 | 125 | 160 | 200 | 250 | 315 | 355 | 400 | 450 |
| aquatherm green pipe | SDR 6 S | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| aquatherm green pipe | SDR 7,4 S | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | |
| aquatherm green pipe | SDR 7,4 MF | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| aquatherm green pipe | SDR 7,4 MF UV | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| aquatherm green pipe | SDR 9 MF RP | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| aquatherm green pipe | SDR 9 MF RP UV | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| aquatherm green pipe | SDR 9 MF RP TI | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| aquatherm green pipe | SDR 11 S | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| aquatherm green pipe | SDR 11 MF | | | | | | | | | | | | | | | | | ● | ● |

MANIFOLD CONSTRUCTION – CUSTOM MADE

We design and construct your manifolds in our company according to your specifications and dispatch them pre-finished to any place of the world.

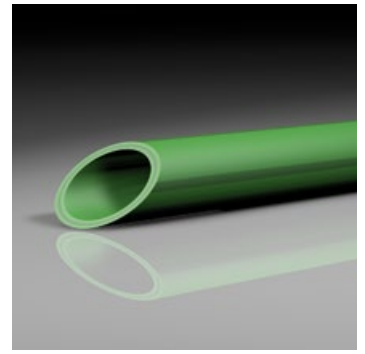
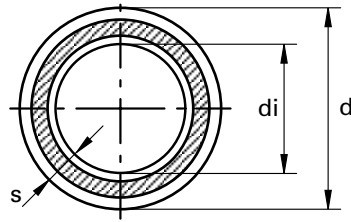
To start the process, only the corresponding planning data, 3D-data and/or drawings with dimensions are required. We return the offer including material list and drawing. A qualified team of experienced technicians likes to assist you.

For detailed information referring manifold construction please contact our technical hotline: +49 2722 950 200.



aquatherm green pipe SDR 9 MF RP

| | |
|---------------------------------|---|
| Structure of pipe: | MF = multi-layer, fibre-reinforced |
| Special feature of pipe: | RP = raised pressure resistance |
| Material: | fusiolen® PP-RCT |
| Pipe series: | SDR 9/S 4 |
| Standards: | SKZ HR 3.28, ASTM F 2389, ISO 21003 SKZ A632/A644 |
| Colour: | green with 4 dark green stripes |
| Form supplied: | ø 32 – 125 mm straight lengths 4 m ø 160 – 355 mm straight lengths 5.8 m |
| Packing Unit: | PU in meter |
| Application: | |

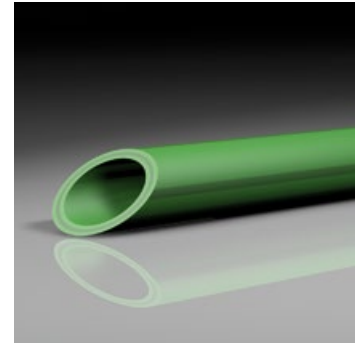
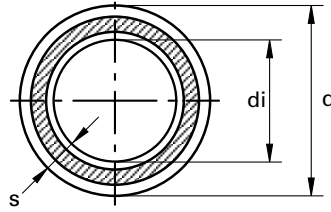


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-RCT.

| SDR | Art. no. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m |
|--------|-----------------------|------------------|-----------------------|---------------------------|---------------------|-------------|-----|--------|-----------|
| 9 | <i>Socket welding</i> | | | | | | | | |
| | 370712 | 32 | 3,6 | 24,80 | 0,483 | 0,328 | 25 | 40 | |
| | 370714 | 40 | 4,5 | 31,00 | 0,754 | 0,511 | 32 | 40 | |
| | 370716 | 50 | 5,6 | 38,80 | 1,182 | 0,791 | 40 | 20 | |
| | 370718 | 63 | 7,1 | 48,80 | 1,869 | 1,261 | 50 | 20 | |
| | 370720 | 75 | 8,4 | 58,20 | 2,659 | 1,771 | - | 20 | |
| | 370722 | 90 | 10,1 | 69,80 | 3,825 | 2,553 | 65 | 12 | |
| | 370724 | 110 | 12,3 | 85,40 | 5,725 | 3,789 | 80 | 8 | |
| | 370726 | 125 | 14,0 | 97,00 | 7,386 | 4,886 | 100 | 4 | |
| | <i>Butt welding</i> | | | | | | | | |
| | 370730 | 160 | 17,9 | 124,20 | 12,109 | 7,987 | 125 | 5.8 | |
| | 370734 | 200 | 22,4 | 155,20 | 18,908 | 12,488 | 150 | 5.8 | |
| | 370738 | 250 | 27,9 | 194,20 | 29,605 | 19,422 | 200 | 5.8 | |
| | 370742 | 315 | 35,2 | 244,60 | 46,966 | 30,876 | 250 | 5.8 | |
| 370744 | 355 | 39,7 | 275,60 | 59,625 | 39,202 | - | 5.8 | | |

aquatherm green pipe SDR 7.4 MF


- Structure of pipe:** MF = multi-layer, fibre-reinforced
Material: fusiolen® PP-R
Pipe series: SDR 7.4 / S 3.2
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003
 SKZ A314/616
Colour: green with 4 dark green stripes
Form supplied: straight lengths 4 m
Packing Unit: PU in meter
Application:

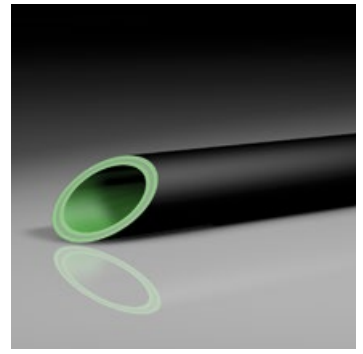
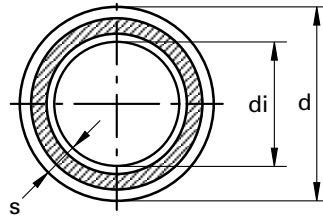


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

| SDR | Art. no. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m |
|-------|-----------------------|------------------|-----------------------|---------------------------|---------------------|-------------|-----|--------|-----------|
| 7.4 | <i>Socket welding</i> | | | | | | | | |
| | 70708 | 20 | 2,8 | 14,40 | 0,163 | 0,157 | 15 | 100 | |
| | 70710 | 25 | 3,5 | 18,00 | 0,254 | 0,244 | 20 | 100 | |
| | 70712 | 32 | 4,4 | 23,00 | 0,423 | 0,391 | 25 | 40 | |
| | 70714 | 40 | 5,5 | 28,80 | 0,660 | 0,608 | 32 | 40 | |
| | 70716 | 50 | 6,9 | 36,20 | 1,029 | 0,948 | 40 | 20 | |
| | 70718 | 63 | 8,6 | 45,60 | 1,647 | 1,490 | 50 | 20 | |
| | 70720 | 75 | 10,3 | 54,40 | 2,323 | 2,120 | - | 20 | |
| | 70722 | 90 | 12,3 | 65,40 | 3,358 | 3,037 | 65 | 12 | |
| | 70724 | 110 | 15,1 | 79,80 | 4,999 | 4,546 | 80 | 8 | |
| | 70726 | 125 | 17,1 | 90,80 | 6,472 | 5,850 | - | 4 | |
| | <i>Butt welding</i> | | | | | | | | |
| | 70730 | 160 | 21,9 | 116,20 | 10,599 | 9,559 | 125 | 5.8 | |
| | 70734 | 200 | 27.4 | 145,20 | 16,558 | 14,944 | 150 | 5.8 | |
| 70738 | 250 | 34,2 | 181,60 | 25,901 | 23,312 | 175 | 5.8 | | |

aquatherm green pipe SDR 9 MF RP UV

| | |
|---------------------------------|---|
| Structure of pipe: | MF = multi-layer, fibre-reinforced |
| Special feature of pipe: | RP = raised pressure resistance UV = UV-resistant |
| Material: | fusiolen® PP-RCT |
| Pipe series: | SDR 9/S 4 |
| Standards: | SKZ HR 3.28, ASTM F 2389, ISO 21003, SKZ A632/A644 |
| Colour: | inner layer: green outer layer: black |
| Form supplied: | ø 32 – 125 mm straight lengths 4 m ø 160 – 355 mm straight lengths 5.8 m |
| Packing Unit: | PU in meter |
| Application: |  |

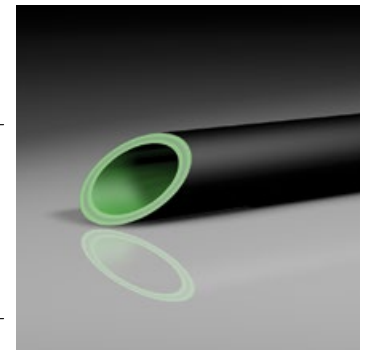
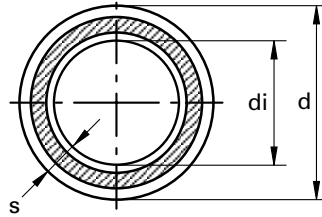


Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-RCT.

| SDR | Art. no. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m | |
|-----------------------|---------------------|------------------|-----------------------|---------------------------|---------------------|-------------|-------|--------|-----------|--|
| <i>Socket welding</i> | | | | | | | | | | |
| 9 | 370762 | 32 | 3,6 | 24,80 | 0,483 | 0,422 | 25 | 40 | | |
| | 370764 | 40 | 4,5 | 31,00 | 0,754 | 0,630 | 32 | 40 | | |
| | 370766 | 50 | 5,6 | 38,80 | 1,182 | 0,944 | 40 | 20 | | |
| | 370768 | 63 | 7,1 | 48,80 | 1,869 | 1,457 | 50 | 20 | | |
| | 370770 | 75 | 8,4 | 58,20 | 2,659 | 1,998 | - | 20 | | |
| | 370772 | 90 | 10,1 | 69,80 | 3,825 | 2,894 | 65 | 12 | | |
| | 370774 | 110 | 12,3 | 85,40 | 5,725 | 4,397 | 80 | 8 | | |
| | 370776 | 125 | 14,0 | 97,00 | 7,386 | 5,530 | 100 | 4 | | |
| | <i>Butt welding</i> | | | | | | | | | |
| | | 370780 | 160 | 17,9 | 124,20 | 12,109 | 8,287 | 125 | 5.8 | |
| | 370784 | 200 | 22,4 | 155,20 | 18,908 | 12,818 | 150 | 5.8 | | |
| | 370788 | 250 | 27,9 | 194,20 | 29,605 | 19,741 | 200 | 5.8 | | |
| | 370792 ♦ | 315 | 35,2 | 244,60 | 46,966 | 31,135 | 250 | 5.8 | | |
| | 370794 ♦ | 355 | 39,7 | 275,60 | 59,625 | 39,415 | - | 5.8 | | |

aquatherm green pipe SDR 7.4 MF UV

- Structure of pipe:** MF = multi-layer, fibre-reinforced
- Special feature of pipe:** UV = UV-resistant
- Material:** fusiolen® PP-R
- Pipe series:** SDR 7.4/S 3.2
- Standards:** SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003
SKZ A314/616
- Colour:** inner layer: green
outer layer: black
- Form supplied:** ø 20 – 125 mm straight lengths 4 m
ø 160 – 250 mm straight lengths 5.8 m
- Packing Unit:** PU in meter
- Application:**

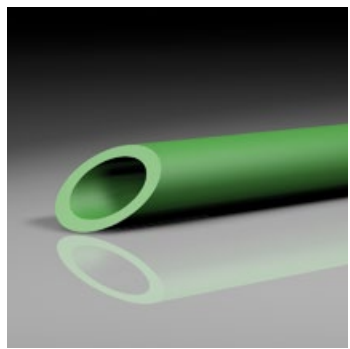
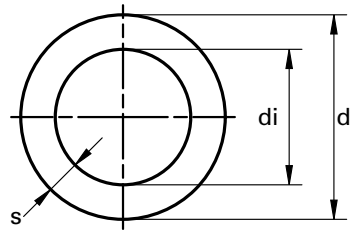


Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-R.

| SDR | Art. no. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m |
|-------|-----------------------|---|-----------------------|---------------------------|---------------------|-------------|-----|--------|-----------|
| 7.4 | <i>Socket welding</i> | | | | | | | | |
| | 70758 | 20 | 2,8 | 14,40 | 0,163 | 0,210 | 15 | 100 | |
| | 70760 | 25 | 3,5 | 18,00 | 0,254 | 0,314 | 20 | 100 | |
| | 70762 | 32 | 4,4 | 23,00 | 0,423 | 0,485 | 25 | 40 | |
| | 70764 | 40 | 5,5 | 28,80 | 0,660 | 0,728 | 32 | 40 | |
| | 70766 | 50 | 6,9 | 36,20 | 1,029 | 1,101 | 40 | 20 | |
| | 70768 | 63 | 8,6 | 45,60 | 1,647 | 1,686 | 50 | 20 | |
| | 70770 | 75 | 10,3 | 54,40 | 2,323 | 2,347 | - | 20 | |
| | 70772 | 90 | 12,3 | 65,40 | 3,358 | 3,378 | 65 | 12 | |
| | 70774 | 110 | 15,1 | 79,80 | 4,999 | 5,054 | 80 | 8 | |
| | 70776 | 125 | 17,1 | 90,80 | 6,472 | 6,494 | - | 4 | |
| | <i>Butt welding</i> | | | | | | | | |
| | 70780 | 160 | 21,9 | 116,20 | 10,599 | 9,859 | 100 | 5.8 | |
| 70784 | 200 | 27,4 | 145,20 | 16,550 | 15,273 | 150 | 5.8 | | |
| 70788 | 250 | 34,2 | 181,60 | 25,888 | 23,630 | 175 | 5.8 | | |
| | 315 – 355 | <i>Dimensions 315 and 355 mm see aquatherm green pipe SDR 9 MF RP UV on page 16</i> | | | | | | | |

aquatherm green pipe SDR 6/7.4 S

- Structure of pipe:** S = single-layer
- Material:** fusiolen® PP-R
- Pipe series:** SDR 6/S 2.5 & SDR 7.4/S 3.2
- Standards:** DIN 8077, DIN 8078, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11
- Colour:** green
- Form supplied:** 4 m straight lengths, *in coils
- Packing Unit:** PU in meter
- Application:**



| SDR | Art. no. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m |
|----------|----------|------------------|-----------------------|---------------------------|---------------------|-------------|-----|--------|-----------|
| 6 | 10006 | 16 | 2,7 | 10,60 | 0,088 | 0,111 | 10 | 100 | |
| | 10008 | 20 | 3,4 | 13,20 | 0,137 | 0,174 | 12 | 100 | |
| | 10010 | 25 | 4,2 | 16,60 | 0,216 | 0,268 | 15 | 100 | |
| | 10012 | 32 | 5,4 | 21,20 | 0,353 | 0,437 | 20 | 40 | |
| | 10014 | 40 | 6,7 | 26,60 | 0,555 | 0,675 | 25 | 40 | |
| | 10016 | 50 | 8,3 | 33,40 | 0,876 | 1,047 | 32 | 20 | |
| | 10018 | 63 | 10,5 | 42,00 | 1,385 | 1,662 | 40 | 20 | |
| | 10020 | 75 | 12,5 | 50,00 | 1,963 | 2,351 | 50 | 20 | |
| | 10022 | 90 | 15,0 | 60,00 | 2,826 | 3,379 | 60 | 12 | |
| | 10024 | 110 | 18,3 | 73,40 | 4,229 | 5,040 | 65 | 8 | |
| | 10106 *◆ | 16 | 2,7 | 10,60 | 0,088 | 0,111 | 10 | 100 | |
| 10108 *◆ | 20 | 3,4 | 13,20 | 0,137 | 0,174 | 12 | 100 | | |
| 10110 *◆ | 25 | 4,2 | 16,60 | 0,216 | 0,268 | 15 | 100 | | |
| 7.4 | 10806 | 16 | 2,2 | 11,60 | 0,106 | 0,096 | 12 | 100 | |
| | 10808 | 20 | 2,8 | 14,40 | 0,163 | 0,149 | 15 | 100 | |
| | 10810 | 25 | 3,5 | 18,00 | 0,254 | 0,232 | 20 | 100 | |
| | 10812 | 32 | 4,4 | 23,20 | 0,423 | 0,372 | 25 | 40 | |
| | 10814 | 40 | 5,5 | 29,00 | 0,660 | 0,578 | 32 | 40 | |
| | 10816 | 50 | 6,9 | 36,20 | 1,029 | 0,901 | 40 | 20 | |
| | 10818 | 63 | 8,6 | 45,80 | 1,647 | 1,416 | 50 | 20 | |
| | 10906 *◆ | 16 | 2,2 | 11,60 | 0,106 | 0,096 | 12 | 100 | |
| | 10908 *◆ | 20 | 2,8 | 14,40 | 0,163 | 0,149 | 15 | 100 | |

aquatherm green pipe SDR 11 S / MF

Structure of pipe: 20 – 315 mm: S = single-layer
400 & 450 mm: MF = multi-layer, fibre-reinforced

Material: fusiolen® PP-R

Pipe series: SDR 11/S5

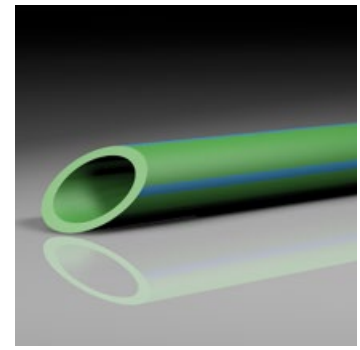
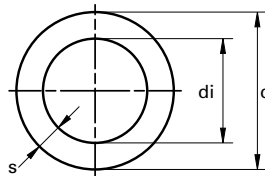
Standards: DIN 8077 / 78, DIN EN ISO 15874,
ASTM F 2389, CSA B 137.11

Colour: green with 4 blue stripes

Form supplied: ø 20 – 125 mm 4 m straight lengths, *in coils
ø 160 – 450 mm straight lengths 5,8 m

Packing Unit: PU in meter

Application:



| SDR | Art. no. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m |
|-----|----------|------------------|-----------------------|---------------------------|-----------------------|-------------|-----|--------|-----------|
| | | | | | <i>Socket welding</i> | | | | |
| | 10208 | 20 | 1,9 | 16,20 | 0,206 | 0,108 | 15 | 100 | |
| | 10210 | 25 | 2,3 | 20,40 | 0,327 | 0,165 | 20 | 100 | |
| | 10212 | 32 | 2,9 | 26,20 | 0,539 | 0,261 | 25 | 40 | |
| | 10214 | 40 | 3,7 | 32,60 | 0,834 | 0,414 | 32 | 40 | |
| | 10216 | 50 | 4,6 | 40,80 | 1,307 | 0,641 | 40 | 20 | |
| | 10218 | 63 | 5,8 | 51,40 | 2,074 | 1,012 | 50 | 20 | |
| | 10220 | 75 | 6,8 | 61,40 | 2,959 | 1,411 | 65 | 20 | |
| | 10222 | 90 | 8,2 | 73,60 | 4,252 | 2,043 | 80 | 12 | |
| | 10224 | 110 | 10,0 | 90,00 | 6,359 | 3,026 | - | 8 | |
| | 10226 | 125 | 11,4 | 102,20 | 8,199 | 3,924 | 100 | 4 | |
| 11 | 10308 *◆ | 20 | 1,9 | 16,20 | 0,206 | 0,108 | 15 | 100 | |
| | 10310 *◆ | 25 | 2,3 | 20,40 | 0,327 | 0,165 | 20 | 100 | |
| | 10312 *◆ | 32 | 2,9 | 26,20 | 0,539 | 0,261 | 25 | 50 | |
| | | | | | <i>Butt welding</i> | | | | |
| | 10230 | 160 | 14,6 | 130,80 | 13,430 | 6,415 | 125 | 5.8 | |
| | 10234 | 200 | 18,2 | 163,60 | 21,010 | 9,992 | 150 | 5.8 | |
| | 10238 | 250 | 22,7 | 204,60 | 32,861 | 15,548 | 200 | 5.8 | |
| | 10242 | 315 | 28,6 | 257,80 | 52,172 | 24,664 | 250 | 5.8 | |
| | 10244 ◆ | 355 | 32,2 | 290,60 | 31,300 | 31,300 | 300 | 5.8 | |
| | 10246 ◆ | 400 | 36,3 | 327,60 | 39,734 | 39,734 | 300 | 5.8 | |
| | 10248 ◆ | 450 | 40,9 | 368,20 | 50,292 | 50,292 | 400 | 5.8 | |

aquatherm blue pipe

Made of corrosion-resistant polypropylene, aquatherm blue pipe is ideal for the transport of cooling and heating media in closed systems. It is particularly well suited for a wide variety of industrial applications. The physical properties of the plastic, such as its high temperature capacity and pressure resistance, are tailored to the specific needs of the heating and cooling sector. aquatherm blue pipe is joined via reliable heat fusion, which produces a virtually leak-free and cohesive unit with excellent safety and durability. aquatherm blue pipe combined with aquatherm green pipe fittings provides all the technology and components required for the piping installation of commercial air conditioning and heating systems and industrial applications.

Pipe system made of polypropylene

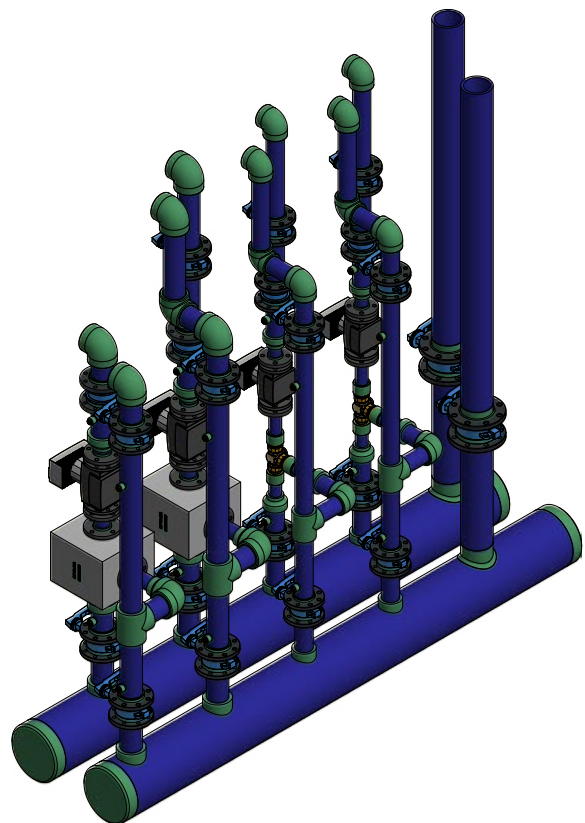
for chilled, hot fluid and various industrial applications

| | | Dimension [mm] | | | | | | | | | | | | | | | | | | | |
|---------------------|--------------------|----------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| | | 20 | 25 | 32 | 40 | 50 | 63 | 75 | 90 | 110 | 125 | 160 | 200 | 250 | 315 | 355 | 400 | 450 | 500 | 630 | |
| aquatherm blue pipe | SDR 7,4 MF | ● | ● | | | | | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 7,4 MF UV | ● | ● | | | | | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 7,4 MF OT | ● | ● | | | | | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 9 MF RP | | | ● | | | | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 9 MF RP UV | | | ● | | | | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 9 MF RP OT | | | ● | | | | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 9 MF RP TI | | | ● | | | | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 9 MF RP OT TI | | | ● | | | | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 11 S | ● | ● | | | | | | | | | | | | | | | | | | |
| aquatherm blue pipe | SDR 11 MF RP | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| aquatherm blue pipe | SDR 11 MF RP UV | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| aquatherm blue pipe | SDR 11 MF RP OT | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| aquatherm blue pipe | SDR 11 MF RP TI | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| aquatherm blue pipe | SDR 11 MF RP OT TI | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| aquatherm blue pipe | SDR 17,6 MF RP | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| aquatherm blue pipe | SDR 17,6 MF RP UV | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| aquatherm blue pipe | SDR 17,6 MF RP TI | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |


MANIFOLD CONSTRUCTION – CUSTOM MADE

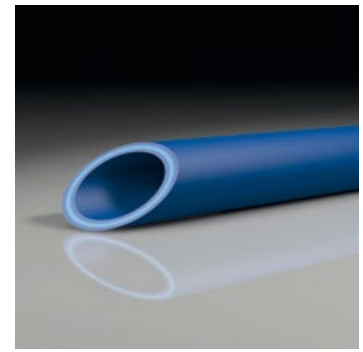
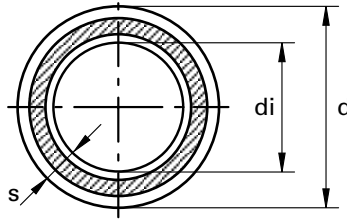
We design and construct your manifolds in our company according to your specifications and dispatch them pre-finished to any place of the world.

For this, only the corresponding planning data, 3D-data and/or drawings with dimensions are required. You receive an offer from us including material extract and drawing. A competent team of experienced technicians stands by with advice and action. For more information on prefabrication, please contact our technical hotline: +49 2722 950200.



aquatherm blue pipe SDR 7.4 MF || SDR 9/11/17.6 MF RP


| | |
|---------------------------------|---|
| Structure of pipe: | MF = multi-layer, fibre-reinforced |
| Special feature of pipe: | RP = raised pressure resistance |
| Material: | fusiole® PP-R / PP-RCT |
| Pipe series: | SDR 7.4 / S 3.2 & SDR11 / S 5 & SDR 17.6 / S 8.3 SDR 9 / S 4 |
| Standards: | SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003 |
| Colour: | blue |
| Form supplied: | ∅ 20 – 125 mm straight lengths 4 m ∅ 160 – 630 mm straight lengths 5.8 m |
| Packing Unit: | PU in meter |
| Application: |  |

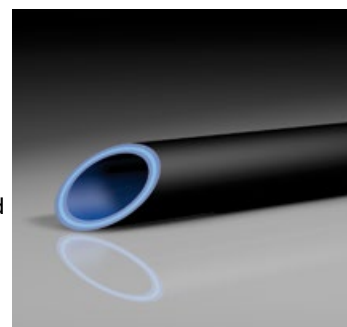
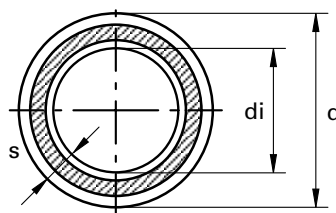


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiole® PP-R / PP-RCT.

| SDR | Art. no. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m | |
|-----------------------|---------------------|------------------|-----------------------|---------------------------|---------------------|-------------|-----|--------|-----------|--|
| <i>Socket welding</i> | | | | | | | | | | |
| 7.4 | 2070708 | 20 | 2,8 | 14,40 | 0,163 | 0,157 | 15 | 100 | | |
| | 2070710 | 25 | 3,5 | 18,00 | 0,254 | 0,244 | 20 | 100 | | |
| 9 | 2071112 | 32 | 3,6 | 24,8 | 0,539 | 0,334 | 25 | 40 | | |
| 11 | 2071114 | 40 | 3,7 | 32,6 | 0,834 | 0,430 | 32 | 40 | | |
| | 2071116 | 50 | 4,6 | 40,8 | 1,307 | 0,651 | 40 | 20 | | |
| | 2071118 | 63 | 5,8 | 51,4 | 2,074 | 1,062 | 50 | 20 | | |
| | 2071120 | 75 | 6,8 | 61,4 | 2,959 | 1,494 | 65 | 20 | | |
| | 2071122 | 90 | 8,2 | 73,6 | 4,252 | 2,141 | 80 | 12 | | |
| | 2071124 | 110 | 10,0 | 90 | 6,359 | 3,239 | - | 8 | | |
| | 2071126 | 125 | 11,4 | 102,2 | 8,199 | 4,092 | 100 | 4 | | |
| | <i>Butt welding</i> | | | | | | | | | |
| | 2071130 | 160 | 14,6 | 130,8 | 13,430 | 6,710 | 125 | 5.8 | | |
| | 2071134 | 200 | 18,2 | 163,6 | 21,010 | 10,442 | 150 | 5.8 | | |
| 2071138 | 250 | 22,7 | 204,6 | 32,861 | 16,579 | 200 | 5.8 | | | |
| 2071142 | 315 | 28,6 | 257,8 | 52,172 | 26,223 | 250 | 5.8 | | | |
| 2071144 | 355 | 32,2 | 290,6 | 66,29 | 33,276 | 300 | 5.8 | | | |
| 2071146 | 400 | 36,3 | 327,6 | 84,290 | 42,266 | 300 | 5.8 | | | |
| 2071148 | 450 | 40,9 | 368,2 | 106,477 | 53,566 | 400 | 5.8 | | | |
| <i>Socket welding</i> | | | | | | | | | | |
| 17.6 | 3570125 | 125 | 7,1 | 110,8 | 9,637 | 2,667 | 100 | 0.04 | | |
| | <i>Butt welding</i> | | | | | | | | | |
| | 3570130 | 160 | 9,1 | 141,8 | 15,792 | 4.39 | 150 | 5.8 | | |
| | 3570134 | 200 | 11,4 | 177,2 | 24,661 | 6.93 | 200 | 5.8 | | |
| | 3570138 | 250 | 14,2 | 221,6 | 38,568 | 10.64 | 250 | 5.8 | | |
| | 3570142 | 315 | 17,9 | 279,2 | 61,223 | 16,606 | 300 | 5.8 | | |
| | 3570144 | 355 | 20,1 | 314,8 | 77,832 | 21,589 | 350 | 5.8 | | |
| | 3570146 | 400 | 22,7 | 354,6 | 98,756 | 27,468 | 350 | 5.8 | | |
| | 3570148 | 450 | 25,5 | 399,0 | 125,036 | 34,716 | 400 | 5.8 | | |
| | 3570150 | 500 | 28,4 | 443,2 | 154,272 | 42,955 | 450 | 5.8 | | |
| 3570154 | 630 | 35,7 | 558,6 | 245,070 | 68,044 | 500 | 5.8 | | | |

aquatherm blue pipe SDR 7.4 MF UV || SDR 9/11/17.6 MF RP UV

| | |
|---------------------------------|--|
| Structure of pipe: | MF = multi-layer, fibre-reinforced |
| Special feature of pipe: | RP = raised pressure resistance UV = UV-resistant |
| Material: | fusiolen® PP-R / PP-RCT |
| Pipe series: | SDR 7.4 / S 3.2 & SDR11/SDR 17.6 / S 8.3 SDR 9 / S 4 |
| Standards: | SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003 |
| Colour: | outside: black, inside: blue |
| Form supplied: | ø 20 – 125 mm straight lengths 4 m ø 160 – 630 mm straight lengths 5.8 m |
| Packing Unit: | PU in meter |
| Application: |  |



UV-resistant. Mechanically stabilized by a fibre mixture, integrated in the middle layer of fusiolen® PP-R / PP-RCT.

| SDR | Art. no. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m |
|-----------------------|---------------------|------------------|-----------------------|---------------------------|---------------------|-------------|-------|--------|-----------|
| <i>Socket welding</i> | | | | | | | | | |
| 7.4 | 2070758 | 20 | 2,8 | 14,40 | 0,163 | 0,210 | 15 | 100 | |
| | 2070760 | 25 | 3,5 | 18,00 | 0,254 | 0,314 | 20 | 100 | |
| 9 | 2071162 | 32 | 3,6 | 24,80 | 0,483 | 0,328 | 25 | | |
| 11 | 2070164 | 40 | 3,7 | 32,60 | 0,834 | 0,555 | 32 | 40 | |
| | 2070166 | 50 | 4,6 | 40,80 | 1,307 | 0,827 | 40 | 20 | |
| | 2070168 | 63 | 5,8 | 51,40 | 2,074 | 1,260 | 50 | 20 | |
| | 2070170 | 75 | 6,8 | 61,40 | 2,959 | 1,712 | 65 | 20 | |
| | 2070172 | 90 | 8,2 | 73,60 | 4,252 | 2,480 | 80 | 12 | |
| | 2070174 | 110 | 10,0 | 90,00 | 6,359 | 3,693 | - | 8 | |
| | 2070176 | 125 | 11,4 | 102,20 | 8,199 | 4,774 | 100 | 4 | |
| | <i>Butt welding</i> | | | | | | | | |
| 11 | 2070180 | 160 | 14,6 | 130,80 | 13,430 | 7,181 | 125 | 5.8 | |
| | 2070184 | 200 | 18,2 | 163,60 | 21,010 | 11,029 | 150 | 5.8 | |
| | 2070188 | 250 | 22,7 | 204,60 | 32,861 | 17,312 | 200 | 5.8 | |
| | 2070192 | 315 | 28,6 | 257,80 | 52,172 | 26,223 | 250 | 5.8 | |
| | 2070194 | 355 | 32,2 | 290,60 | 66,292 | 34,315 | 300 | 5.8 | |
| | 2070196 ◆ | 400 | 36,3 | 327,40 | 84,145 | 43,437 | 300 | 5.8 | |
| | 2070198 ◆ | 450 | 40,9 | 368,20 | 106,423 | 54,883 | 400 | 5.8 | |
| | 17.6 | 2570180 | 160 | 9,1 | 141,80 | 15,784 | 4,860 | 150 | 5.8 |
| 2570184 | | 200 | 11,4 | 177,20 | 24,649 | 7,514 | 200 | 5.8 | |
| 2570188 | | 250 | 14,2 | 221,60 | 38,549 | 11,369 | 250 | 5.8 | |
| 2570192 ◆ | | 315 | 17,9 | 279,20 | 61,193 | 17,529 | 300 | 5.8 | |
| 2570194 ◆ | | 355 | 20,1 | 314,8 | 77,793 | 21,647 | 350 | 5.8 | |
| 2570196 ◆ | | 400 | 22,7 | 354,6 | 98,707 | 27,339 | 350 | 5.8 | |
| 2570198 ◆ | | 450 | 25,5 | 399,0 | 124,973 | 34,454 | 400 | 5.8 | |
| 2570200 ◆ | | 500 | 28,4 | 443,2 | 154,195 | 42,525 | 450 | 5.8 | |
| 2570204 ◆ | 630 | 35,7 | 558,6 | 245,947 | 66,976 | 500 | 5.8 | | |

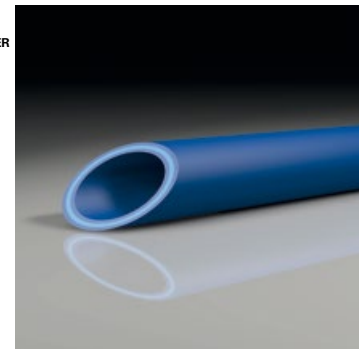
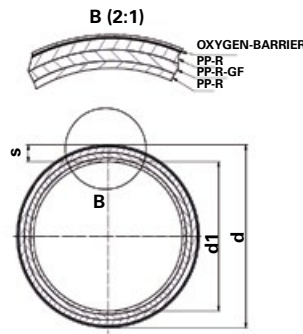
aquatherm blue pipe SDR 7.4 OT || SDR 9/11 MF RP OT

Structure of pipe: MF = multi-layer, fibre-reinforced
Special feature of pipe: RP = raised pressure resistance
 OT = oxygen-tight

Material: fusiolen® PP-R / PP-RCT
Pipe series: SDR 7.4 / S 3.2 & SDR11 / S 5 / SDR 9 / S 4
Standards: DIN 8077/78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, ISO 21003

Colour: blue
Form supplied: ø 20 – 125 mm straight lengths 4 m
 ø 160 – 250 mm straight lengths 5,8 m

Packing Unit: PU in meter
Application:



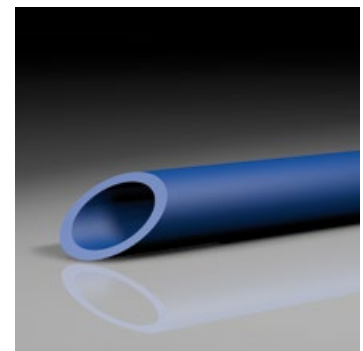
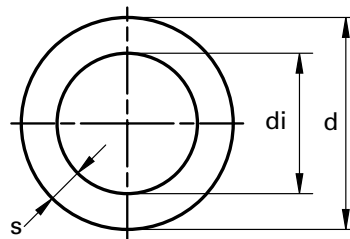
Oxygen-tight by diffusion barrier. Mechanically stabilized through a fibre mix integrated in the middle layer of fusiolen® PP-R / PP-RCT

| SDR | Art. no. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter d1 [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m |
|-----------------------|----------|------------------|-----------------------|---------------------------|---------------------|-------------|-----|--------|-----------|
| <i>Socket welding</i> | | | | | | | | | |
| 7.4 | 2170708 | 20 | 2,8 | 14,40 | 0,163 | 0,211 | 15 | 100 | |
| | 2170710 | 25 | 3,5 | 18,00 | 0,254 | 0,316 | 20 | 100 | |
| 9 | 2171712 | 32 | 3,6 | 24,80 | 0,483 | 0,328 | 25 | 40 | |
| 11 | 2170114 | 40 | 3,7 | 32,60 | 0,834 | 0,562 | 32 | 40 | |
| | 2170116 | 50 | 4,6 | 40,80 | 1,307 | 0,695 | 40 | 20 | |
| | 2170118 | 63 | 5,8 | 51,40 | 2,074 | 1,279 | 50 | 20 | |
| | 2170120 | 75 | 6,8 | 61,40 | 2,959 | 1,739 | 65 | 20 | |
| | 2170122 | 90 | 8,2 | 73,60 | 4,252 | 2,533 | 80 | 12 | |
| 11 | 2170124 | 110 | 10,0 | 90,00 | 6,359 | 3,752 | - | 8 | |
| | 2170126 | 125 | 11,4 | 102,20 | 8,199 | 4,201 | 100 | 4 | |
| <i>Butt welding</i> | | | | | | | | | |
| | 2170130 | 160 | 14,6 | 130,80 | 13,430 | 6,847 | 125 | 5.8 | |
| | 2170134 | 200 | 18,2 | 163,60 | 21,010 | 10,520 | 150 | 5.8 | |
| | 2170138 | 250 | 22,7 | 204,60 | 32,861 | 16,226 | 200 | 5.8 | |

aquatherm blue pipe SDR 11 S

Structure of pipe: S = single-layer
Material: fusiolen® PP-R
Pipe series: SDR 11 / S 5
Standards: DIN 8077/78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, NSF 14, ISO 21003

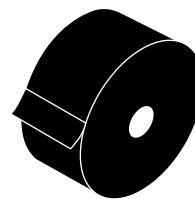
Colour: blue
Form supplied: 4 m straight lengths, *in coils
Packing Unit: PU in meter
Application:



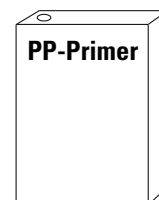
| SDR | Art. no. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m/pc |
|-----|------------|------------------|-----------------------|---------------------------|---------------------|-------------|----|--------|--------------|
| 11 | 2010208 | 20 | 1,9 | 16,20 | 0,206 | 0,108 | 15 | 100 | |
| | 2010210 | 25 | 2,3 | 20,40 | 0,327 | 0,165 | 20 | 100 | |
| | 2010308 *◆ | 20 | 1,9 | 16,20 | 0,206 | 0,108 | 15 | 100 | |
| | 2010310 *◆ | 25 | 2,3 | 20,40 | 0,327 | 0,165 | 20 | 100 | |
| | 2010312 *◆ | 32 | 2,9 | 26,20 | 0,539 | 0,261 | 25 | 50 | |

ADHESIVE TAPE TO PROTECT AGAINST UV-RADIATION*for aquatherm MF UV pipes*

| Art. no. | Dimension | PU | Price € pc |
|--------------|------------|----|---------------|
| 10871 | 50mm x 10m | 1 | |

**AQUATHERM PP-PRIMER***for aquatherm PP pipes*

| Art. no. | Dimension | PU | Box unit | Price € pc |
|--------------|-----------|-----|----------|---------------|
| 50230 | | 1l | | |
| 50231 | | 10l | | |

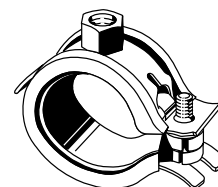
**AQUATHERM SPECIAL TOP COAT***for aquatherm PP-pipes*

| Art. no. | Colour | PU | Box unit | Price € pc |
|--------------|--------|------|----------|---------------|
| 50232 | black | 2,5l | | |
| 50233 | white | 2,5l | | |

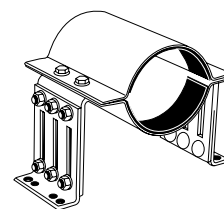
**PIPE CLAMPS***suitable for sliding and fixed point installation*

Thread connection: M8 & M10 for 16 – 125 mm | M10 for 160 mm | M16 for 200 – 355 mm

| Art. no. | for pipe dimension [mm] | PU | Box unit | Price € pc |
|--------------|----------------------------|----|----------|---------------|
| 60516 | 16 | 50 | | |
| 60520 | 20 | 50 | | |
| 60525 | 25 | 50 | | |
| 60532 | 32 | 50 | | |
| 60540 | 40 | 50 | | |
| 60550 | 50 | 50 | | |
| 60563 | 63 | 25 | | |
| 60575 | 75 | 25 | | |
| 60590 | 90 | 25 | | |
| 60594 | 110 | 25 | | |
| 60595 | 125 | 25 | | |
| 60597 | 160 | 25 | | |
| 60650 | 200 | 1 | | |
| 60654 | 250 | 1 | | |
| 60658 | 315 | 1 | | |
| 60660 | 355 | 1 | | |

**PIPE CLAMPS***suitable for fixed point installation*

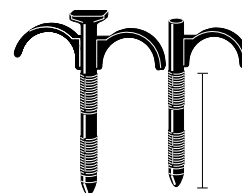
| Art. no. | for pipe dimension [mm] | PU | Box unit | Price € pc |
|--------------|----------------------------|----|----------|---------------|
| 60768 | 160 | 1 | | |
| 60770 | 200 | 1 | | |
| 60774 | 250 | 1 | | |
| 60778 | 315 | 1 | | |
| 60780 | 355 | 1 | | |
| 60782 | 400 | 1 | | |
| 60784 | 450 | 1 | | |
| 60786 | 500 | 1 | | |
| 60790 | 630 | 1 | | |



PIPE FASTENING BOW

suitable for \varnothing 16 – 32 mm pipes

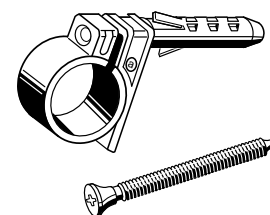
| Art. no. | for pipe dimension | PU | Box unit | Price € pc |
|----------|-------------------------|----|----------|---------------|
| 60604 | 1-fold - length = 45mm | 50 | | |
| 60606 | 1-fold - length = 75mm | 50 | | |
| 60608 | 2-fold - length = 45mm | 50 | | |
| 60610 | 2-fold - length = 75 mm | 50 | | |



PLASTIC PIPE CLAMPS

suitable for \varnothing 16 – 40 mm pipes

| Art. no. | for pipe dimension [mm] | PU | Box unit | Price € pc |
|----------|----------------------------|----|----------|---------------|
| 60616 | 16 | 50 | | |
| 60620 | 20 | 50 | | |
| 60625 | 25 | 30 | | |
| 60632 | 32 | 30 | | |
| 60640 | 40 | 30 | | |



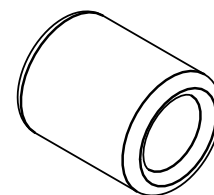
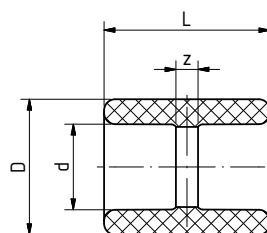
SOCKET

Systems: [aquatherm green pipe](#), [aquatherm blue pipe](#)

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | Dimension d [mm] | l [mm] | z [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------------|----------|---------------------|-----------|-----------|-----------|----------------|--------|----|----------|---------------|
| 6 7.4 9 11 17.6 | 11006 | 16 | 30,0 | 4,0 | 24,5 | 0,008 | • | 10 | 2000 | |
| | 11008 | 20 | 32,0 | 3,0 | 27,0 | 0,008 | • • | 10 | 1900 | |
| | 11010 | 25 | 35,0 | 3,0 | 34,0 | 0,013 | • • | 10 | 1000 | |
| | 11012 | 32 | 40,5 | 4,5 | 43,0 | 0,026 | • • | 5 | 600 | |
| | 11014 | 40 | 47,5 | 6,5 | 52,0 | 0,044 | • • | 5 | 400 | |
| | 11016 | 50 | 53,0 | 6,0 | 68,0 | 0,084 | • • | 5 | 200 | |
| | 11018 | 63 | 60,5 | 5,5 | 84,0 | 0,139 | • • | 1 | 100 | |
| | 11020 | 75 | 66,5 | 6,5 | 100,0 | 0,226 | • • | 1 | 70 | |
| | 11022 | 90 | 72,5 | 6,5 | 120,0 | 0,343 | • • | 1 | 50 | |
| | 11024 | 110 | 82,0 | 8,0 | 147,0 | 0,581 | • • | 1 | 30 | |
| | 11026 | 125 | 92,0 | 12,0 | 167,0 | 0,845 | • • | 1 | 25 | |

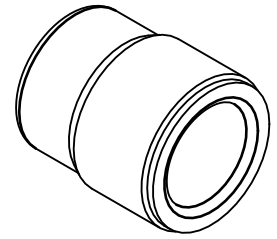
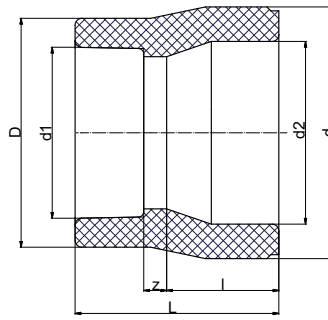
REDUCING SOCKET, SOCKET WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

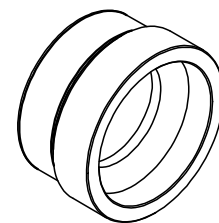
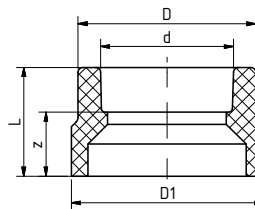
Colour: green



| SDR | Art. no. | Dimension d [mm] | Dimension d1 [mm] | Dimension d2 [mm] | I [mm] | L [mm] | z [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|------------------------------------|----------|------------------|-------------------|-------------------|--------|--------|--------|--------|-------------|--------|----|----------|------------|
| <i>double-sided socket welding</i> | | | | | | | | | | | | | |
| | 11109 | 20 | 16 | 13,50 | 14,5 | 39,0 | 11,5 | 24,5 | 0,009 | • | 10 | 2000 | |
| | 11110 | 25 | 16 | 16,50 | 16,0 | 38,0 | 9,0 | 26,0 | 0,012 | • | 10 | 2000 | |
| | 11112 | 25 | 20 | 16,50 | 16,0 | 38,5 | 8,0 | 29,5 | 0,012 | • • | 10 | 1500 | |
| | 11114 | 32 | 20 | 21,50 | 18,0 | 37,5 | 5,0 | 29,5 | 0,015 | • • | 5 | 1000 | |
| | 11116 | 32 | 25 | 21,00 | 18,0 | 38,0 | 4,0 | 34,0 | 0,016 | • • | 5 | 1000 | |
| | 11118 | 40 | 20 | 26,50 | 20,5 | 45,0 | 10,0 | 29,5 | 0,025 | • • | 5 | 750 | |
| | 11120 | 40 | 25 | 26,50 | 20,5 | 50,0 | 13,5 | 34,0 | 0,028 | • • | 5 | 600 | |
| | 11122 | 40 | 32 | 26,50 | 20,5 | 50,0 | 11,5 | 43,0 | 0,032 | • • | 5 | 500 | |
| | 11124 | 50 | 20 | 33,50 | 23,5 | 55,0 | 17,0 | 29,5 | 0,045 | • • | 5 | 500 | |
| | 11126 | 50 | 25 | 33,50 | 23,5 | 55,0 | 15,5 | 34,0 | 0,044 | • • | 5 | 400 | |
| | 11128 | 50 | 32 | 33,50 | 23,5 | 54,0 | 12,5 | 43,0 | 0,048 | • • | 5 | 350 | |
| | 11130 | 50 | 40 | 33,50 | 23,5 | 53,0 | 9,0 | 52,0 | 0,053 | • • | 5 | 300 | |
| | 11131 | 63 | 20 | 42,00 | 27,5 | 65,0 | 23,0 | 29,5 | 0,073 | • • | 1 | 200 | |
| | 11132 | 63 | 25 | 42,00 | 27,5 | 65,0 | 21,5 | 34,0 | 0,071 | • • | 1 | 200 | |
| 6 | 11134 | 63 | 32 | 42,00 | 27,5 | 62,0 | 16,5 | 43,0 | 0,080 | • • | 1 | 200 | |
| 7.4 | 11136 | 63 | 40 | 42,00 | 27,5 | 64,5 | 16,5 | 52,0 | 0,089 | • • | 1 | 200 | |
| 9 | 11138 | 63 | 50 | 42,00 | 27,5 | 63,5 | 12,5 | 68,0 | 0,107 | • • | 1 | 150 | |
| 11 | 11139 | 75 | 40 | 50,00 | 30,0 | 69,5 | 19,0 | 52,0 | 0,131 | • • | 1 | | |
| 17.6 | 11140 | 75 | 50 | 50,00 | 30,0 | 63,0 | 9,5 | 68,0 | 0,141 | • • | 1 | | |
| | 11142 | 75 | 63 | 50,00 | 30,0 | 71,0 | 13,5 | 84,0 | 0,170 | • • | 1 | | |
| | 11143 | 75 | 20 | 50,00 | 30,0 | 65,5 | 21,0 | 34,5 | 0,113 | • • | 1 | | |
| | 11144 | 75 | 25 | 50,00 | 30,0 | 65,5 | 19,5 | 34,5 | 0,111 | • • | 1 | | |
| | 11145 | 75 | 32 | 50,00 | 30,0 | 69,5 | 21,5 | 52,0 | 0,140 | • • | 1 | | |
| | 11151 | 90 | 50 | 60,00 | 33,0 | 75,0 | 18,5 | 68,0 | 0,193 | • • | 1 | | |
| | 11152 | 90 | 63 | 60,00 | 33,0 | 78,0 | 17,5 | 84,0 | 0,224 | • • | 1 | | |
| | 11153 | 90 | 75 | 60,00 | 33,0 | 81,5 | 18,5 | 100,0 | 0,273 | • • | 1 | | |
| | 11155 | 110 | 63 | 73,50 | 37,0 | 86,0 | 21,5 | 84,0 | 0,356 | • • | 1 | | |
| | 11157 | 110 | 75 | 73,50 | 37,0 | 89,0 | 22,0 | 100,0 | 0,383 | • • | 1 | | |
| | 11159 | 110 | 90 | 73,50 | 37,0 | 99,0 | 29,0 | 120,0 | 0,500 | • • | 1 | | |
| | 11161 | 125 | 75 | 84,00 | 40,0 | 101,0 | 31,0 | 100,0 | 0,518 | • • | 1 | | |
| | 11163 | 125 | 90 | 84,00 | 40,0 | 99,0 | 26,0 | 120,0 | 0,588 | • • | 1 | | |
| | 11165 | 125 | 110 | 84,00 | 40,0 | 112,0 | 35,0 | 147,0 | 0,832 | • • | 1 | | |

REDUCING SOCKET, SOCKET & BUTT WELDING

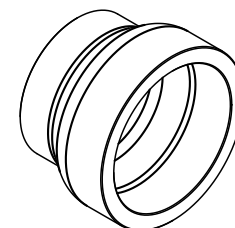
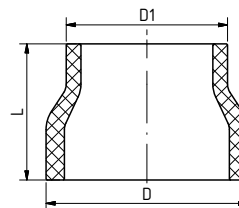
Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



| SDR | Art. no. | D1 [mm] | Dimension d [mm] | L [mm] | z [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---|----------|---------|------------------|--------|--------|--------|-------------|--------|----|----------|------------|
| <i>onesided socket welding, other side butt welding</i> | | | | | | | | | | | |
| 7.4 | 11174 | 160 | 110 | 90,0 | 53,0 | 147,0 | 0,730 | • | 1 | | |
| | 11176 | 160 | 125 | 90,0 | 50,0 | 167,0 | 0,837 | • | 1 | | |
| | 11182 | 200 | 125 | 135,0 | 95,0 | 167,0 | 1,644 | • | 1 | | |
| 9 | 311174 | 160 | 110 | 90,0 | 53,0 | 147,0 | 0,730 | • | 1 | | |
| | 311176 | 160 | 125 | 90,0 | 50,0 | 167,0 | 0,868 | • | 1 | | |
| | 311182 | 200 | 125 | 135,0 | 95,0 | 167,0 | 1,599 | • | 1 | | |
| 11 | 11175 | 160 | 110 | 90,0 | 53,0 | 147,0 | 0,655 | • • | 1 | | |
| | 11177 | 160 | 125 | 90,0 | 50,0 | 167,0 | 0,636 | • • | 1 | | |
| | 11183 | 200 | 125 | 135,0 | 95,0 | 167,0 | 1,341 | • • | 1 | | |
| 17.6 | 2511174 | 160 | 110 | 90,0 | 53,0 | 147,0 | 0,618 | • | 1 | | |
| | 2511176 | 160 | 125 | 90,0 | 50,0 | 167,0 | 0,628 | • | 1 | | |
| | 2511182 | 200 | 125 | 135,0 | 95,0 | 167,0 | 1,055 | • | 1 | | |

REDUCING SOCKET, BUTT WELDING

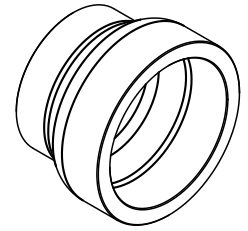
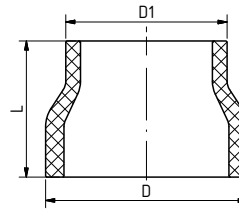
Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



| SDR | Art. no. | D [mm] | D1 [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------------------------------|----------|--------|---------|--------|-------------|--------|----|----------|------------|
| <i>double-sided butt welding</i> | | | | | | | | | |
| 7.4 | 11184 | 200 | 160 | 135,0 | 1,638 | • | 1 | | |
| | 11188 | 250 | 160 | 172,5 | 2,881 | • | 1 | | |
| | 11190 | 250 | 200 | 172,5 | 3,250 | • | 1 | | |
| 9 | 311184 | 200 | 160 | 135,0 | 1,588 | • | 1 | | |
| | 311188 | 250 | 160 | 172,5 | 2,900 | • | 1 | | |
| | 311190 | 250 | 200 | 172,5 | 3,206 | • | 1 | | |
| | 311192 | 315 | 200 | 225,0 | 6,350 | • | 1 | | |
| | 311194 | 315 | 250 | 225,0 | 7,050 | • | 1 | | |
| | 311196 | 355 | 250 | 170,0 | 5,640 | • | 1 | | |
| 11 | 311198 | 355 | 315 | 160,0 | 4,940 | • | 1 | | |
| | 11185 | 200 | 160 | 135,0 | 1,206 | • • | 1 | | |
| | 11189 | 250 | 160 | 172,5 | 2,313 | • • | 1 | | |
| | 11191 | 250 | 200 | 172,5 | 2,389 | • • | 1 | | |
| | 11193 | 315 | 200 | 225,0 | 4,389 | • • | 1 | | |
| | 11195 | 315 | 250 | 225,0 | 4,690 | • • | 1 | | |
| | 11197 | 355 | 250 | 170,0 | 4,510 | • • | 1 | | |
| | 11199 | 355 | 315 | 160,0 | 4,635 | • • | 1 | | |
| | 11201 | 400 | 250 | 152,0 | 5,160 | • • | 1 | | |
| | 11203 | 400 | 315 | 122,0 | 4,550 | • • | 1 | | |
| | 11204 | 400 | 355 | 110,0 | 4,620 | • • | 1 | | |
| | 11206 | 450 | 315 | 142,0 | 6,500 | • • | 1 | | |
| 11207 | 450 | 355 | 132,0 | 6,500 | • • | 1 | | | |
| 11208 | 450 | 400 | 122,0 | 6,000 | • • | 1 | | | |

REDUCING SOCKET, BUTT WELDING

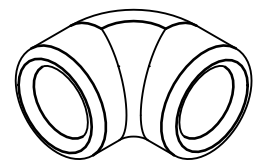
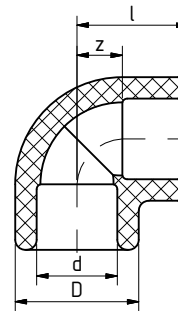
Systems: aquatherm blue pipe
Material: fusiolen® PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



| SDR | Art. no. | D [mm] | D1 [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------------------------------|----------|--------|---------|--------|-------------|--------|----|----------|------------|
| <i>double-sided butt welding</i> | | | | | | | | | |
| 17.6 | 2511184 | 200 | 160 | 135,0 | 1,012 | • | 1 | | |
| | 2511188 | 250 | 160 | 172,5 | 1,500 | • | 1 | | |
| | 2511190 | 250 | 200 | 172,5 | 1,338 | • | 1 | | |
| | 2511193 | 315 | 200 | 225,0 | 4,141 | • | 1 | | |
| | 2511195 | 315 | 250 | 225,0 | 3,420 | • | 1 | | |
| | 2511197 | 355 | 250 | 170,0 | 4,480 | • | 1 | | |
| | 2511199 | 355 | 315 | 160,0 | 3,108 | • | 1 | | |
| | 2511201 | 400 | 250 | 152,0 | 3,240 | • | 1 | | |
| | 2511203 | 400 | 315 | 122,0 | 3,000 | • | 1 | | |
| | 2511204 | 400 | 355 | 112,0 | 2,500 | • | 1 | | |
| | 2511206 | 450 | 315 | 142,0 | 4,000 | • | 1 | | |
| | 2511207 | 450 | 355 | 132,0 | 4,000 | • | 1 | | |
| | 2511208 | 450 | 400 | 122,0 | 4,000 | • | 1 | | |
| | 2511209 | 500 | 315 | 172,0 | 6,500 | • | 1 | | |
| | 2511210 | 500 | 355 | 152,0 | 7,000 | • | 1 | | |
| | 2511211 | 500 | 400 | 142,0 | 6,500 | • | 1 | | |
| | 2511212 | 500 | 450 | 122,0 | 5,500 | • | 1 | | |
| 2511216 | 630 | 400 | 192,0 | 14,500 | • | 1 | | | |
| 2511217 | 630 | 450 | 172,0 | 12,500 | • | 1 | | | |
| 2511218 | 630 | 500 | 152,0 | 11,000 | • | 1 | | | |

ELBOW 90°

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



| SDR | Art. no. | Dimension d [mm] | z [mm] | l [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------------|----------|------------------|--------|--------|--------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | |
| 6 7.4 9 11 17.6 | 12106 | 16 | 9,0 | 22,0 | 24,5 | 0,010 | • | 10 | 2000 | |
| | 12108 | 20 | 11,0 | 25,5 | 27,0 | 0,013 | • | 10 | 1400 | |
| | 12110 | 25 | 13,5 | 29,5 | 34,0 | 0,023 | • | 10 | 800 | |
| | 12112 | 32 | 17,0 | 35,0 | 43,0 | 0,043 | • | 5 | 400 | |
| | 12114 | 40 | 21,0 | 41,5 | 52,0 | 0,077 | • | 5 | 250 | |
| | 12116 | 50 | 26,0 | 49,5 | 68,0 | 0,162 | • | 5 | 125 | |
| | 12118 | 63 | 32,5 | 60,0 | 84,0 | 0,293 | • | 1 | 70 | |
| | 12120 | 75 | 38,5 | 68,5 | 100,0 | 0,445 | • | 1 | 40 | |
| | 12122 | 90 | 46,0 | 79,0 | 120,0 | 0,729 | • | 1 | 25 | |
| | 12124 | 110 | 56,0 | 93,0 | 147,0 | 1,292 | • | 1 | | |
| | 12126 | 125 | 76,5 | 116,5 | 167,0 | 2,004 | • | 1 | | |

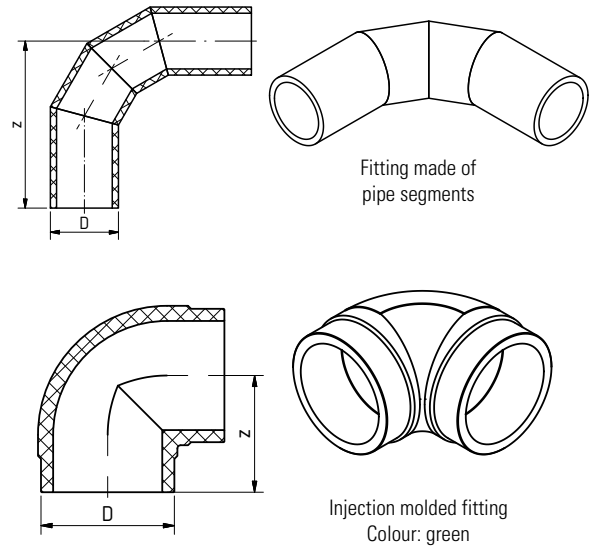
ELBOW 90° BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R & PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Notice:

There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock of the elbows made of pipe segments has to be sold.

All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.



| SDR | Art. no. | D [mm] | z [mm] | Weight [kg] | System | pipe segments | injection molded (green) | PU | Box unit | Price € pc |
|---------------------|-----------------------|--------|--------|-------------|--------|---------------|--------------------------|----|----------|------------|
| <i>butt welding</i> | | | | | | | | | | |
| 7.4 | 12130 | 160 | 145,0 | 2,561 | • | | • | 1 | | |
| | 12134 | 200 | 450,0 | 11,685 | • | • | | 1 | | |
| | 12138 | 250 | 625,0 | 26,000 | • | • | | 1 | | |
| 9 | 312130 | 160 | 145,0 | 2,371 | • | | • | 1 | | |
| | 312134 | 200 | 209,0 | 4,320 | • | | • | 1 | | |
| | 312138 | 250 | 240,0 | 8,500 | • | | • | 1 | | |
| | 312142 | 315 | 773,0 | 42,300 | • | • | | 1 | | |
| | 312144 | 355 | 833,0 | 57,628 | • | • | | 1 | | |
| 11 | 12131 | 160 | 145,0 | 2,145 | • | • | • | 1 | | |
| | 12135 | 200 | 209,0 | 4,653 | • | • | • | 1 | | |
| | 12139 | 250 | 240,0 | 7,180 | • | • | • | 1 | | |
| | 12143 | 315 | 773,0 | 37,850 | • | | • | 1 | | |
| | 12145 | 355 | 833,0 | 49,000 | • | | • | 1 | | |
| | 12147 ¹⁾ | 400 | 900,0 | 62,800 | • | | • | 1 | | |
| | 12149 ¹⁾ | 450 | 975,0 | 89,500 | • | | • | 1 | | |
| 11 | 2012143 ¹⁾ | 315 | 773,0 | 37,300 | | • | • | 1 | | |
| | 2012145 ¹⁾ | 355 | 833,0 | 57,074 | | • | • | 1 | | |
| | 2012147 ¹⁾ | 400 | 900,0 | 74,500 | | • | • | 1 | | |
| | 2012149 ¹⁾ | 450 | 975,0 | 89,080 | | • | • | 1 | | |
| 17.6 | 2512130 | 160 | 145,0 | 1,642 | | • | • | 1 | | |
| | 2512134 | 200 | 209,0 | 3,640 | | • | • | 1 | | |
| | 2512138 | 250 | 240,0 | 6,200 | | • | • | 1 | | |
| | 2512142 ¹⁾ | 315 | 773,0 | 24,000 | | • | | 1 | | |
| | 2512144 ¹⁾ | 355 | 833,0 | 32,000 | | • | • | 1 | | |
| | 2512146 ¹⁾ | 400 | 900,0 | 42,549 | | • | • | 1 | | |
| | 2512148 ¹⁾ | 450 | 975,0 | 62,200 | | • | • | 1 | | |
| | 2512150 ¹⁾ | 500 | 1100,0 | 91,000 | | • | • | 1 | | |
| | 2512154 ¹⁾ | 630 | 1295,0 | 164,600 | | • | • | 1 | | |

¹⁾mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-RCT

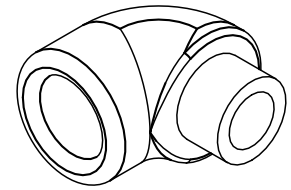
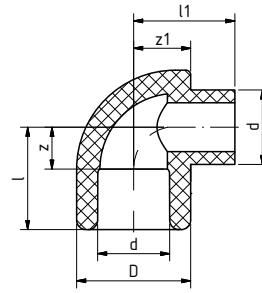
ELBOW 90° FEMALE/MALE

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | Dimension d [mm] | z [mm] | l [mm] | D [mm] | l1 [mm] | z1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|------------------|--------|--------|--------|---------|---------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | |
| 6 7.4 9 11 | 12306 | 16 | 9,0 | 22,0 | 24,5 | 21,8 | 12,3 | 0,010 | • | 10 | 2000 | |
| | 12308 | 20 | 11,0 | 25,5 | 27,0 | 25,5 | 13,5 | 0,032 | • • | 10 | 1200 | |
| | 12310 | 25 | 13,5 | 29,5 | 34,0 | 29,5 | 17,0 | 0,023 | • • | 10 | 800 | |
| | 12312 | 32 | 17,0 | 35,0 | 43,0 | 39,0 | 21,5 | 0,048 | • • | 5 | 400 | |
| | 12314 | 40 | 21,0 | 41,5 | 52,0 | 45,5 | 26,0 | 0,080 | • • | 5 | 300 | |

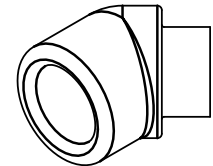
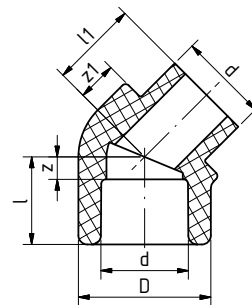
ELBOW 45° FEMALE/MALE

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | Dimension d [mm] | z [mm] | l [mm] | D [mm] | l1 [mm] | z1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|------------------|--------|--------|--------|---------|---------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | |
| 6 7.4 9 11 | 12708 | 20 | 5,0 | 19,5 | 29,5 | 19,5 | 9,0 | 0,013 | • • | 10 | 1500 | |
| | 12710 | 25 | 6,0 | 22,0 | 34,0 | 22,0 | 8,5 | 0,017 | • • | 10 | 1000 | |
| | 12712 | 32 | 7,5 | 25,5 | 43,0 | 29,0 | 11,5 | 0,036 | • • | 5 | 500 | |
| | 12714 | 40 | 9,5 | 30,0 | 52,0 | 33,0 | 13,5 | 0,057 | • • | 5 | 300 | |

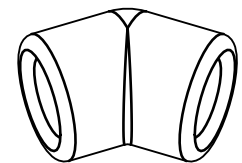
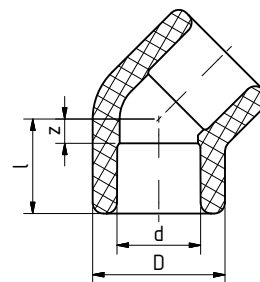
ELBOW 45° SOCKET WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

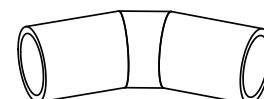
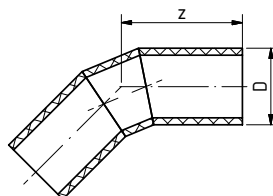
Colour: green



| SDR | Art. no. | Dimension d [mm] | z [mm] | l [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------------|----------|------------------|--------|--------|--------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | |
| 6 7.4 9 11 17.6 | 12506 | 16 | 4,5 | 17,5 | 24,5 | 0,009 | • | 10 | 2000 | |
| | 12508 | 20 | 5,0 | 19,5 | 29,5 | 0,014 | • • | 10 | 1500 | |
| | 12510 | 25 | 6,0 | 22,0 | 34,0 | 0,018 | • • | 10 | 1000 | |
| | 12512 | 32 | 7,5 | 25,5 | 43,0 | 0,035 | • • | 5 | 500 | |
| | 12514 | 40 | 9,5 | 30,0 | 52,0 | 0,053 | • • | 5 | 300 | |
| | 12516 | 50 | 11,5 | 35,0 | 68,0 | 0,112 | • • | 5 | 150 | |
| | 12518 | 63 | 14,0 | 41,5 | 84,0 | 0,227 | • • | 1 | 75 | |
| | 12520 | 75 | 16,5 | 46,5 | 100,0 | 0,350 | • • | 1 | 60 | |
| | 12522 | 90 | 19,5 | 52,5 | 120,0 | 0,568 | • • | 1 | 30 | |
| | 12524 | 110 | 23,5 | 60,5 | 147,0 | 1,025 | • • | 1 | 20 | |
| | 12526 | 125 | 27,0 | 67,0 | 167,0 | 1,329 | • • | 1 | | |

ELBOW 45° BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-RCT
Standard: DIN 16962, DIN EN ISO 15874



Fitting made of pipe segments



Injection molded fitting
Colour: green

Notice: There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock of the elbows made of pipe segments has to be sold. All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

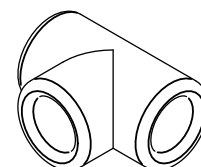
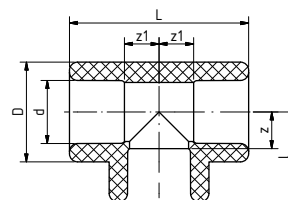
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.

| SDR | Art. no. | D [mm] | z [mm] | Weight [kg] | System | pipe segments | injection molded | PU | Box unit | Price € pc |
|-----------------------|-----------------------|--------|--------|-------------|--------|---------------|------------------|----|----------|------------|
| <i>butt welding</i> | | | | | | | | | | |
| 7.4 | 12530 | 160 | 95,0 | 1,903 | • | | • | 1 | | |
| | 12534 | 200 | 274,0 | 8,175 | • | | • | 1 | | |
| | 12538 | 250 | 412,0 | 20,500 | • | | • | 1 | | |
| 9 | 312530 | 160 | 95,0 | 4,230 | • | | • | 1 | | |
| | 312534 | 200 | 146,0 | 7,500 | • | | • | 1 | | |
| | 312538 | 250 | 182,0 | 17,000 | • | | • | 1 | | |
| | 312542 | 315 | 498,0 | 30,567 | • | • | | 1 | | |
| | 312544 | 355 | 520,0 | 40,771 | • | • | | 1 | | |
| 11 | 12531 | 160 | 95,0 | 1,393 | • | • | • | 1 | | |
| | 12535 | 200 | 146,0 | 3,408 | • | • | • | 1 | | |
| | 12539 | 250 | 182,0 | 13,500 | • | • | • | 1 | | |
| | 12543 | 315 | 498,0 | 27,300 | • | • | • | 1 | | |
| | 12545 | 355 | 520,0 | 26,650 | • | • | • | 1 | | |
| | 12547 ¹⁾ | 400 | 548,8 | 44,900 | • | • | • | 1 | | |
| | 12549 ¹⁾ | 450 | 580,0 | 60,500 | • | • | • | 1 | | |
| 11 | 2012543 ¹⁾ | 315 | 498,0 | 27,100 | | • | • | 1 | | |
| | 2012545 ¹⁾ | 355 | 520,0 | 38,158 | | • | • | 1 | | |
| | 2012547 ¹⁾ | 400 | 548,0 | 44,712 | | • | • | 1 | | |
| | 2012549 ¹⁾ | 450 | 580,0 | 60,260 | | • | • | 1 | | |
| 17.6 | 2512530 | 160 | 95,0 | 1,080 | | • | • | 1 | | |
| | 2512534 | 200 | 146,0 | 1,990 | | • | • | 1 | | |
| | 2512538 | 250 | 182,0 | 3,875 | | • | • | 1 | | |
| | 2512542 ²⁾ | 315 | 498,0 | 18,000 | | • | • | 1 | | |
| | 2512544 ¹⁾ | 355 | 520,0 | 22,058 | | • | • | 1 | | |
| | 2512546 ¹⁾ | 400 | 548,0 | 30,800 | | • | • | 1 | | |
| | 2512548 ¹⁾ | 450 | 580,0 | 39,123 | | • | • | 1 | | |
| | 2512550 ¹⁾ | 500 | 665,0 | 55,112 | | • | • | 1 | | |
| 2512554 ¹⁾ | 630 | 741,0 | 97,148 | | • | • | 1 | | | |

¹⁾mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-RCT

T-PIECE SOCKET WELDING

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green
Form: injection moulded fittings



| SDR | Art. no. | Dimension d [mm] | z [mm] | z1 [mm] | l [mm] | L [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|------------------|--------|---------|--------|--------|--------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | |
| 6 | 13106 | 16 | 9,0 | 9,0 | 22,0 | 44,0 | 24,5 | 0,015 | • | 10 | 1500 | |
| | 13108 | 20 | 11,0 | 11,0 | 25,5 | 51,0 | 27,0 | 0,017 | • | 10 | 1000 | |
| | 13110 | 25 | 14,5 | 15,0 | 30,5 | 62,0 | 34,0 | 0,033 | • | 10 | 500 | |
| 7.4 | 13112 | 32 | 15,5 | 17,0 | 33,5 | 70,0 | 43,0 | 0,054 | • | 5 | 300 | |
| | 13114 | 40 | 20,0 | 20,0 | 40,5 | 81,0 | 52,0 | 0,099 | • | 5 | 175 | |
| 9 | 13116 | 50 | 26,0 | 26,0 | 49,5 | 99,0 | 68,0 | 0,177 | • | 5 | 100 | |
| 11 | 13118 | 63 | 32,5 | 32,5 | 60,0 | 120,0 | 84,0 | 0,368 | • | 1 | 50 | |
| | 13120 | 75 | 38,5 | 38,5 | 68,5 | 137,0 | 100,0 | 0,541 | • | 1 | 30 | |
| 17.6 | 13122 | 90 | 46,0 | 46,0 | 79,0 | 158,0 | 120,0 | 0,920 | • | 1 | 25 | |
| | 13124 | 110 | 56,0 | 56,0 | 93,0 | 186,0 | 147,0 | 1,598 | • | 1 | 14 | |
| | 13126 | 125 | 76,5 | 76,5 | 116,5 | 233,0 | 167,0 | 2,673 | • | 1 | | |

T-PIECE BUTT WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

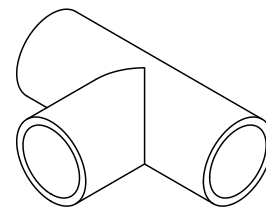
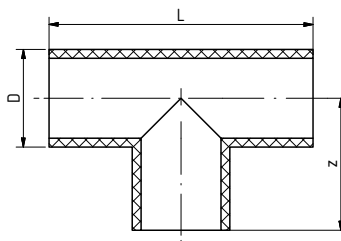
Material: fusiolen® PP-RCT

Standard: DIN 16962, DIN EN ISO 15874

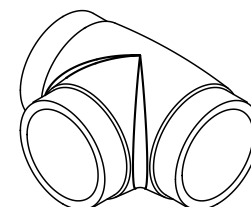
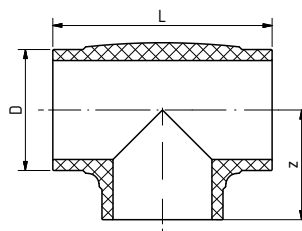
Notice: There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock of the t-pieces made of pipe segments has to be sold.

All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.



Fitting made of pipe segments



Injection molded fitting
Colour: green

| SDR | Art. no. | D [mm] | L [mm] | z [mm] | Weight [kg] | System | pipe segments | injection molded (green) | PU | Box unit | Price € pc |
|---------------------|-----------------------|--------|--------|--------|-------------|--------|---------------|--------------------------|----|----------|------------|
| <i>butt welding</i> | | | | | | | | | | | |
| 7.4 | 13130 | 160 | 290,0 | 145,0 | 3,600 | • | | • | | 1 | |
| | 13134 | 200 | 500,0 | 250,0 | 9,825 | • | • | | | 1 | |
| | 13138 | 250 | 750,0 | 375,0 | 24,000 | • | • | | | 1 | |
| 9 | 313130 | 160 | 290,0 | 145,0 | 3,290 | • | | • | | 1 | |
| | 313134 | 200 | 410,0 | 205,0 | 7,000 | • | | • | | 1 | |
| | 313138 | 250 | 486,0 | 243,0 | 12,500 | • | | • | | 1 | |
| | 313142 | 315 | 920,0 | 460,0 | 42,609 | • | • | | | 1 | |
| | 313144 | 355 | 960,0 | 480,0 | 56,452 | • | • | | | 1 | |
| 11 | 13131 | 160 | 290,0 | 145,0 | 3,005 | • | • | • | | 1 | |
| | 13135 | 200 | 410,0 | 205,0 | 6,255 | • | • | • | | 1 | |
| | 13139 | 250 | 486,0 | 243,0 | 10,710 | • | • | • | | 1 | |
| | 13143 | 315 | 920,0 | 460,0 | 20,450 | • | • | | | 1 | |
| | 13145 | 355 | 960,0 | 480,0 | 45,072 | • | • | | | 1 | |
| | 13147 ¹⁾ | 400 | 1000,0 | 500,0 | 63,100 | • | • | | | 1 | |
| | 13149 ¹⁾ | 450 | 1050,0 | 525,0 | 83,300 | • | • | | | 1 | |
| 11 | 2013143 | 315 | 920,0 | 460,0 | 36,74 | | • | • | | 1 | |
| | 2013145 | 355 | 960,0 | 480,0 | 40,000 | | • | • | | 1 | |
| | 2013147 | 400 | 1000,0 | 500,0 | 62,100 | | • | • | | 1 | |
| | 2013149 | 450 | 1050,0 | 525,0 | 82,792 | | • | • | | 1 | |
| 17.6 | 2513142 ¹⁾ | 315 | 920,0 | 460,0 | 19,800 | | • | • | | 1 | |
| | 2513144 ¹⁾ | 355 | 960,0 | 480,0 | 27,500 | | • | • | | 1 | |
| | 2513146 ¹⁾ | 400 | 1000,0 | 500,0 | 40,395 | | • | • | | 1 | |
| | 2513148 ¹⁾ | 450 | 1050,0 | 525,0 | 45,400 | | • | • | | 1 | |
| | 2513150 ¹⁾ | 500 | 1200,0 | 600,0 | 75,726 | | • | • | | 1 | |
| | 2513154 ¹⁾ | 630 | 1330,0 | 665,0 | 122,500 | | • | • | | 1 | |

¹⁾ mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-RP

aquatherm blue pipe Y-PIECES

Special fittings on demand

ATTENTION – PLEASE NOTE!

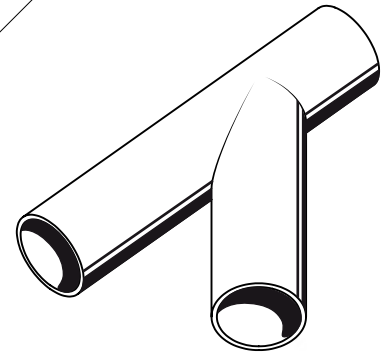
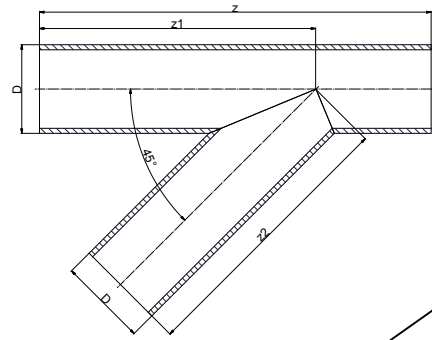
These branches are for special applications in the **unpressurized** areas, e.g. in vacuum dewatering in the ship building. **In no case** they may be exposed to the pressures, given in the working pressure tables on page 167 – 169.

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-RCT

Standard: DIN16962-2

Color: blue



| SDR | Art. no. | Dimension D [mm] | z [mm] | z1 [mm] | z2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|---------------------|------------------|--------|---------|---------|-------------|--------|----|----------|------------|
| <i>Socket welding</i> | | | | | | | | | | |
| 11 | 2013018 | 63 | 560,0 | 380,0 | 380,0 | 0,843 | • • | 1 | | |
| | 2013020 ◆ | 75 | 570,0 | 405,0 | 405,0 | 1,210 | • • | 1 | | |
| | 2013022 ◆ | 90 | 577,0 | 412,0 | 412,0 | 1,750 | • • | 1 | | |
| | 2013024 | 110 | 610,0 | 435,0 | 435,0 | 2,730 | • • | 1 | | |
| | 2013026 | 125 | 665,0 | 475,0 | 475,0 | 3,840 | • • | 1 | | |
| | <i>Butt welding</i> | | | | | | | | | |
| | 2013031 | 160 | 782,0 | 551,0 | 551,0 | 7,300 | • • | 1 | | |
| | 2013035 | 200 | 925,0 | 650,0 | 650,0 | 13,360 | • • | 1 | | |
| | 2013039 ◆ | 250 | 1105,0 | 780,0 | 780,0 | 24,780 | • • | 1 | | |
| <i>Socket welding</i> | | | | | | | | | | |
| | 2513026 ◆ | 125 | 665,0 | 475,0 | 475,0 | 2,470 | • | 1 | | |
| <i>Butt welding</i> | | | | | | | | | | |
| 17.6 | 2513030 | 160 | 782,0 | 551,0 | 551,0 | 4,700 | • | 1 | | |
| | 2513034 ◆ | 200 | 925,0 | 650,0 | 650,0 | 8,640 | • | 1 | | |
| | 2513038 ◆ | 250 | 1105,0 | 780,0 | 780,0 | 16,010 | • | 1 | | |

Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-RCT

RED.-T-PIECE, SOCKET WELDING

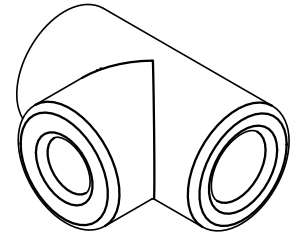
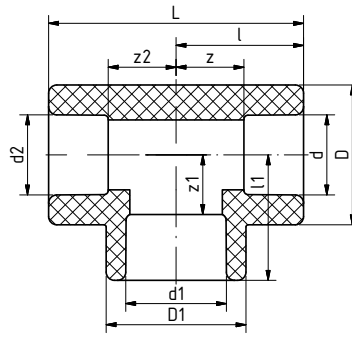
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

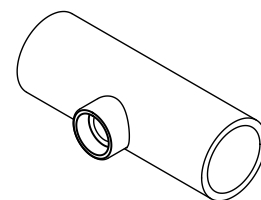
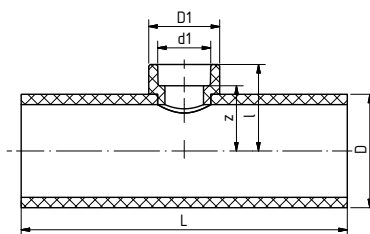
Form: injection moulded fittings



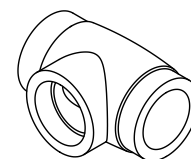
| SDR | Art. no. | d [mm] | d1 [mm] | d2 [mm] | L [mm] | l [mm] | l1 [mm] | z [mm] | z1 [mm] | z2 [mm] | D [mm] | D1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc | |
|-----------------------|----------|--------|---------|---------|--------|--------|---------|--------|---------|---------|--------|---------|-------------|--------|----|----------|------------|--|
| <i>socket welding</i> | | | | | | | | | | | | | | | | | | |
| | 13506 | 20 | 16 | 16 | 51,0 | 25,5 | 25,3 | 11,0 | 12,3 | 12,5 | 29,5 | 29,5 | 0,025 | • | 10 | | | |
| | 13508 | 20 | 16 | 20 | 51,0 | 25,5 | 25,3 | 11,0 | 12,3 | 11,0 | 29,5 | 29,5 | 0,024 | • | 10 | | | |
| | 13510 | 20 | 20 | 16 | 51,0 | 25,5 | 25,3 | 11,0 | 10,8 | 12,5 | 29,5 | 29,5 | 0,023 | • | 10 | | | |
| | 13511 | 20 | 25 | 20 | 62,0 | 31,0 | 30,5 | 16,5 | 14,5 | 16,5 | 34,0 | 34,0 | 0,040 | • • | 10 | | | |
| | 13512 | 25 | 16 | 16 | 62,0 | 31,0 | 30,5 | 15,0 | 17,5 | 18,0 | 34,0 | 34,0 | 0,043 | • | 10 | | | |
| | 13514 | 25 | 16 | 20 | 62,0 | 31,0 | 30,5 | 15,0 | 17,5 | 16,5 | 34,0 | 34,0 | 0,041 | • | 10 | | | |
| | 13516 | 25 | 16 | 25 | 62,0 | 31,0 | 30,5 | 15,0 | 17,5 | 15,0 | 34,0 | 34,0 | 0,038 | • | 10 | | | |
| | 13520 | 25 | 20 | 20 | 62,0 | 31,0 | 30,5 | 15,0 | 16,0 | 16,5 | 34,0 | 34,0 | 0,039 | • • | 10 | 500 | | |
| | 13522 | 25 | 20 | 25 | 62,0 | 31,0 | 30,5 | 15,0 | 16,0 | 15,0 | 34,0 | 34,0 | 0,036 | • • | 10 | 500 | | |
| | 13528 | 32 | 16 | 32 | 70,0 | 35,0 | 31,0 | 17,0 | 18,0 | 17,0 | 43,0 | 29,5 | 0,053 | • • | 5 | 300 | | |
| | 13532 | 32 | 20 | 20 | 73,5 | 36,8 | 37,0 | 18,8 | 22,5 | 22,3 | 43,0 | 43,0 | 0,076 | • • | 5 | 300 | | |
| | 13534 | 32 | 20 | 32 | 70,0 | 35,0 | 31,0 | 17,0 | 16,5 | 17,0 | 43,0 | 29,5 | 0,053 | • • | 5 | 300 | | |
| | 13538 | 32 | 25 | 25 | 70,0 | 35,0 | 34,5 | 17,0 | 18,5 | 19,0 | 43,0 | 43,0 | 0,069 | • • | 5 | | | |
| | 13540 | 32 | 25 | 32 | 70,0 | 35,0 | 32,0 | 17,0 | 16,0 | 17,0 | 43,0 | 34,0 | 0,050 | • • | 5 | 300 | | |
| | 13542 | 40 | 20 | 40 | 83,0 | 41,5 | 36,0 | 21,0 | 21,5 | 21,0 | 52,0 | 34,0 | 0,091 | • • | 5 | 200 | | |
| | 13544 | 40 | 25 | 40 | 83,0 | 41,5 | 36,0 | 21,0 | 20,0 | 21,0 | 52,0 | 34,0 | 0,089 | • • | 5 | 200 | | |
| | 13546 | 40 | 32 | 40 | 84,0 | 42,0 | 40,5 | 21,5 | 22,5 | 21,5 | 52,0 | 52,0 | 0,092 | • • | 5 | 200 | | |
| | 13547 | 50 | 20 | 50 | 99,0 | 49,5 | 40,5 | 26,0 | 26,0 | 26,0 | 68,0 | 29,5 | 0,162 | • • | 5 | 100 | | |
| | 13548 | 50 | 25 | 50 | 99,0 | 49,5 | 44,5 | 26,0 | 28,5 | 26,0 | 68,0 | 34,0 | 0,158 | • • | 5 | 100 | | |
| 6 | 13550 | 50 | 32 | 50 | 99,0 | 49,5 | 44,5 | 26,0 | 26,5 | 26,0 | 68,0 | 43,0 | 0,160 | • • | 5 | 100 | | |
| 7.4 | 13551 | 50 | 40 | 50 | 99,0 | 49,5 | 49,5 | 26,0 | 29,0 | 26,0 | 68,0 | 68,0 | 0,161 | • • | 5 | 100 | | |
| 9 | 13552 | 63 | 20 | 63 | 120,0 | 60,0 | 48,5 | 32,5 | 34,0 | 32,5 | 84,0 | 34,0 | 0,335 | • • | 1 | 50 | | |
| 11 | 13554 | 63 | 25 | 63 | 120,0 | 60,0 | 48,5 | 32,5 | 32,5 | 32,5 | 84,0 | 34,0 | 0,331 | • • | 1 | 50 | | |
| 17.6 | 13556 | 63 | 32 | 63 | 120,0 | 60,0 | 53,0 | 32,5 | 35,5 | 32,5 | 84,0 | 52,0 | 0,340 | • • | 1 | 50 | | |
| | 13558 | 63 | 40 | 63 | 120,0 | 60,0 | 53,0 | 32,5 | 33,0 | 32,5 | 84,0 | 52,0 | 0,332 | • • | 1 | 50 | | |
| | 13560 | 63 | 50 | 63 | 120,0 | 60,0 | 56,0 | 32,5 | 36,5 | 32,5 | 84,0 | 68,0 | 0,398 | • • | 1 | | | |
| | 13561 | 75 | 20 | 75 | 137,0 | 68,5 | 54,5 | 38,5 | 40,0 | 38,5 | 100,0 | 34,0 | 0,501 | • • | 1 | | | |
| | 13562 | 75 | 25 | 75 | 137,0 | 68,5 | 54,5 | 38,5 | 38,5 | 38,5 | 100,0 | 34,0 | 0,497 | • • | 1 | | | |
| | 13564 | 75 | 32 | 75 | 137,0 | 68,5 | 59,0 | 38,5 | 41,0 | 38,5 | 100,0 | 52,0 | 0,505 | • • | 1 | | | |
| | 13566 | 75 | 40 | 75 | 137,0 | 68,5 | 59,0 | 38,5 | 38,5 | 38,5 | 100,0 | 52,0 | 0,497 | • • | 1 | | | |
| | 13568 | 75 | 50 | 75 | 137,0 | 68,5 | 66,0 | 38,5 | 42,5 | 38,5 | 100,0 | 84,0 | 0,550 | • • | 1 | | | |
| | 13570 | 75 | 63 | 75 | 137,0 | 68,5 | 66,0 | 38,5 | 38,5 | 38,5 | 100,0 | 84,0 | 0,515 | • • | 1 | | | |
| | 13576 | 90 | 32 | 90 | 158,0 | 79,0 | 64,0 | 46,0 | 46,0 | 46,0 | 120,0 | 43,0 | 0,880 | • • | 1 | | | |
| | 13578 | 90 | 40 | 90 | 158,0 | 79,0 | 66,5 | 46,0 | 46,0 | 46,0 | 120,0 | 52,0 | 0,862 | • • | 1 | | | |
| | 13580 | 90 | 50 | 90 | 158,0 | 79,0 | 69,5 | 46,0 | 46,0 | 46,0 | 120,0 | 68,0 | 0,905 | • • | 1 | | | |
| | 13582 | 90 | 63 | 90 | 158,0 | 79,0 | 73,5 | 46,0 | 46,0 | 46,0 | 120,0 | 84,0 | 0,876 | • • | 1 | | | |
| | 13584 | 90 | 75 | 90 | 158,0 | 79,0 | 76,0 | 46,0 | 46,0 | 46,0 | 120,0 | 100 | 0,991 | • • | 1 | | | |
| | 13586 | 110 | 63 | 110 | 186,0 | 93,0 | 83,5 | 56,0 | 56,0 | 56,0 | 147,0 | 84,0 | 1,534 | • • | 1 | | | |
| | 13588 | 110 | 75 | 110 | 186,0 | 93,0 | 86,0 | 56,0 | 56,0 | 56,0 | 147,0 | 100,0 | 1,517 | • • | 1 | | | |
| | 13590 | 110 | 90 | 110 | 186,0 | 93,0 | 89,0 | 56,0 | 56,0 | 56,0 | 147,0 | 120,0 | 1,548 | • • | 1 | | | |
| | 13592 | 125 | 75 | 125 | 233,0 | 116,5 | 106,5 | 76,5 | 76,5 | 76,5 | 167,0 | 100,0 | 2,427 | • • | 1 | | | |
| | 13594 | 125 | 90 | 125 | 233,0 | 116,5 | 109,5 | 76,5 | 76,5 | 76,5 | 167,0 | 120,0 | 2,509 | • • | 1 | | | |
| | 13596 | 125 | 110 | 125 | 233,0 | 116,5 | 113,5 | 76,5 | 76,5 | 76,5 | 167,0 | 147,0 | 2,563 | • • | 1 | | | |

RED.-T-PIECE, SOCKET- & BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R / PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



Fitting made of pipe segments



Injection molded fitting

Note: There is a gradual conversion of the XXL-fittings made of pipe segments to an injection molded design. The table shows which articles are already available in new design at the time of printing this catalogue. In the aquatherm technews we will inform you of further changes, but first the current stock of the red.-t-pieces made of pipe segments has to be sold.

All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

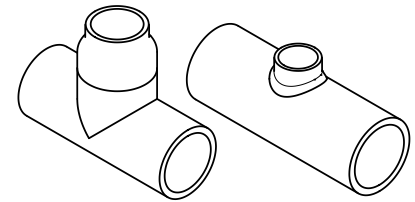
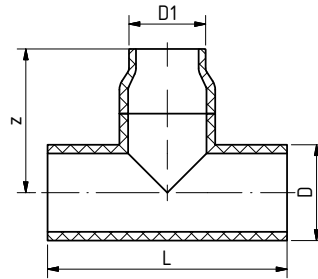
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.

| SDR | Art. no. | D [mm] | d1 [mm] | D1 [mm] | L [mm] | l [mm] | z [mm] | Weight [kg] | System | pipe segments | injection molded* | PU | Box unit | Price € pc |
|-------------------------------|----------------------|--------|---------|---------|--------|--------|--------|-------------|--------|---------------|-------------------|----|----------|------------|
| <i>branch: socket welding</i> | | | | | | | | | | | | | | |
| 7.4 | 13600 | 160 | 75 | 100,0 | 460,0 | 122,0 | 92,0 | 4,414 | • | • | | 1 | | |
| | 13602 | 160 | 90 | 120,0 | 460,0 | 125,0 | 92,0 | 4,515 | • | • | | 1 | | |
| | 13606 | 160 | 125 | 167,0 | 290,0 | 120,0 | 80,0 | 3,441 | • | | • | 1 | | |
| | 13608 | 200 | 75 | 100,0 | 500,0 | 142,0 | 112,0 | 7,110 | • | • | | 1 | | |
| | 13610 | 200 | 90 | 120,0 | 500,0 | 145,0 | 112,0 | 7,540 | • | • | | 1 | | |
| | 13612 | 200 | 110 | 147,0 | 500,0 | 149,0 | 112,0 | 7,325 | • | • | | 1 | | |
| | 13614 | 200 | 125 | 167,0 | 500,0 | 155,0 | 115,0 | 7,645 | • | • | | 1 | | |
| | 13624 | 250 | 75 | 100,0 | 750,0 | 167,0 | 137,0 | 16,600 | • | • | | 1 | | |
| | 13626 | 250 | 90 | 120,0 | 750,0 | 170,0 | 137,0 | 16,800 | • | • | | 1 | | |
| | 13628 | 250 | 110 | 147,0 | 750,0 | 174,0 | 137,0 | 16,800 | • | • | | 1 | | |
| 13630 | 250 | 125 | 167,0 | 750,0 | 180,0 | 140,0 | 17,000 | • | • | | 1 | | | |
| 9 | 313600 | 160 | 75 | 100,0 | 460,0 | 122,0 | 92,0 | 3,903 | • | • | | 1 | | |
| | 313602 | 160 | 90 | 120,0 | 460,0 | 125,0 | 92,0 | 4,039 | • | • | | 1 | | |
| | 313608 | 200 | 75 | 100,0 | 500,0 | 142,0 | 112,0 | 6,476 | • | • | | 1 | | |
| | 313610 | 200 | 90 | 120,0 | 500,0 | 145,0 | 112,0 | 6,581 | • | • | | 1 | | |
| | 313612 | 200 | 110 | 147,0 | 500,0 | 149,0 | 112,0 | 6,863 | • | • | | 1 | | |
| | 313614 | 200 | 125 | 167,0 | 500,0 | 155,0 | 115,0 | 7,114 | • | • | | 1 | | |
| | 313624 | 250 | 75 | 100,0 | 750,0 | 167,0 | 137,0 | 14,802 | • | • | | 1 | | |
| | 313626 | 250 | 90 | 120,0 | 750,0 | 170,0 | 137,0 | 14,932 | • | • | | 1 | | |
| | 313628 | 250 | 110 | 147,0 | 750,0 | 174,0 | 137,0 | 15,178 | • | • | | 1 | | |
| | 313630 | 250 | 125 | 167,0 | 750,0 | 180,0 | 140,0 | 15,398 | • | • | | 1 | | |
| 313904 ¹⁾ | 315 | 125 | 167,0 | 920,0 | 212,5 | 172,5 | 29,196 | • | • | | 1 | | | |
| 313916 ¹⁾ | 355 | 125 | 167,0 | 960,0 | 232,5 | 192,5 | 38,466 | • | • | | 1 | | | |
| 11 | 13601 | 160 | 75 | 100,0 | 460,0 | 122,0 | 92,0 | 3,140 | • | • | | 1 | | |
| | 13603 | 160 | 90 | 120,0 | 460,0 | 125,0 | 92,0 | 3,176 | • | • | | 1 | | |
| | 13607 | 160 | 125 | 167,0 | 290,0 | 120,0 | 80,0 | 2,842 | • | | • | 1 | | |
| | 13609 | 200 | 75 | 100,0 | 500,0 | 142,0 | 112,0 | 5,284 | • | • | | 1 | | |
| | 13611 | 200 | 90 | 120,0 | 500,0 | 145,0 | 112,0 | 5,168 | • | • | | 1 | | |
| | 13613 | 200 | 110 | 147,0 | 500,0 | 149,0 | 112,0 | 5,648 | • | • | | 1 | | |
| | 13615 | 200 | 125 | 167,0 | 500,0 | 155,0 | 115,0 | 5,786 | • | • | | 1 | | |
| | 13625 | 250 | 75 | 100,0 | 750,0 | 167,0 | 137,0 | 12,000 | • | • | | 1 | | |
| | 13627 | 250 | 90 | 120,0 | 750,0 | 170,0 | 137,0 | 12,000 | • | • | | 1 | | |
| | 13629 | 250 | 110 | 147,0 | 750,0 | 174,0 | 137,0 | 13,000 | • | • | | 1 | | |
| | 13631 | 250 | 125 | 167,0 | 750,0 | 180,0 | 140,0 | 12,000 | • | • | | 1 | | |
| | 13651 ¹⁾ | 315 | 125 | 167,0 | 920,0 | 213,0 | 173,0 | 25,150 | • | • | | 1 | | |
| | 13663 ^{1)◆} | 355 | 125 | 167,0 | 960,0 | 233,0 | 193,0 | 30,851 | • | • | | 1 | | |
| 13676 ^{1)◆} | 355 | 125 | 167,0 | 1000,0 | 255,0 | 215,0 | 42,169 | • | • | | 1 | | | |
| 13690 ^{1)◆} | 450 | 125 | 167,0 | 1050,0 | 280,0 | 240,0 | 55,794 | • | • | | 1 | | | |

¹⁾ mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R

RED.-T-PIECE, BUTT WELDING

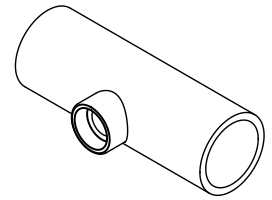
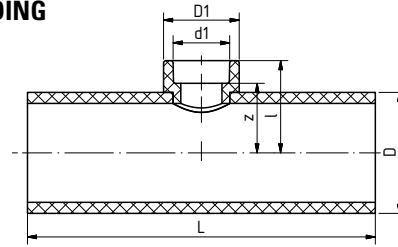
Systems: **aquatherm green pipe**
 Material: fusiolen® PP-RCT
 Standard: DIN 16962, DIN EN ISO 15874
 Branch: butt welding



| SDR | Art. no. | D [mm] | D1 [mm] | L [mm] | z [mm] | Weight [kg] | System | Pipe with reducer | Pipe with weld-in saddle | PU | Box unit | Price € pc |
|-----------------------------|----------|--------|---------|--------|--------|-------------|--------|-------------------|--------------------------|----|----------|------------|
| <i>branch: butt welding</i> | | | | | | | | | | | | |
| 7.4 | 13618 | 200 | 160 | 500,0 | 300,0 | 10,891 | • | • | | 1 | | |
| | 13634 | 250 | 160 | 750,0 | 375,0 | 28,000 | • | • | | 1 | | |
| | 13640 | 250 | 200 | 750,0 | 375,0 | 27,000 | • | • | | 1 | | |
| 9 | 313618 | 200 | 160 | 500,0 | 300,0 | 9,332 | • | • | | 1 | | |
| | 313634 | 250 | 160 | 750,0 | 375,0 | 21,547 | • | • | | 1 | | |
| | 313640 | 250 | 200 | 750,0 | 376,0 | 21,853 | • | • | | 1 | | |
| | 313906 | 315 | 160 | 920,0 | 238,0 | 29,237 | • | | • | 1 | | |
| | 313908 | 315 | 200 | 920,0 | 460,0 | 42,166 | • | • | | 1 | | |
| | 313910 | 315 | 250 | 920,0 | 460,0 | 42,557 | • | • | | 1 | | |
| | 313918 | 355 | 160 | 960,0 | 258,0 | 38,479 | • | | • | 1 | | |
| | 313920 | 355 | 200 | 960,0 | 268,0 | 39,237 | • | | • | 1 | | |
| | 313922 | 355 | 250 | 960,0 | 480,0 | 52,683 | • | • | | 1 | | |
| 313924 | 355 | 315 | 960,0 | 480,0 | 55,511 | • | • | | 1 | | | |
| 11 | 13619 | 200 | 160 | 500,0 | 300,0 | 7,445 | • | • | | 1 | | |
| | 13635 | 250 | 160 | 750,0 | 375,0 | 19,500 | • | • | | 1 | | |
| | 13641 | 250 | 200 | 750,0 | 375,0 | 18,500 | • | • | | 1 | | |
| | 13653 | 315 | 160 | 920,0 | 237,5 | 24,850 | • | | • | 1 | | |
| | 13655 | 315 | 200 | 920,0 | 460,0 | 29,400 | • | • | | 1 | | |
| | 13657 | 315 | 250 | 920,0 | 460,0 | 30,500 | • | • | | 1 | | |
| | 13665 ◆ | 355 | 160 | 960,0 | 257,5 | 30,893 | • | | • | 1 | | |
| | 13667 ◆ | 355 | 200 | 960,0 | 267,5 | 31,651 | • | | • | 1 | | |
| | 13669 | 355 | 250 | 960,0 | 480,0 | 39,220 | • | • | | 1 | | |
| | 13671 | 355 | 315 | 960,0 | 480,0 | 44,721 | • | • | | 1 | | |
| | 13678 ◆ | 355 | 160 | 1000,0 | 354,0 | 44,111 | • | | • | 1 | | |
| | 13680 ◆ | 355 | 200 | 1000,0 | 318,0 | 44,111 | • | | • | 1 | | |
| | 13682 ◆ | 400 | 250 | 1000,0 | 280,0 | 44,111 | • | | • | 1 | | |
| | 13684 | 400 | 315 | 1000,0 | 500,0 | 47,500 | • | • | | 1 | | |
| | 13685 | 400 | 355 | 1000,0 | 500,0 | 54,361 | • | • | | 1 | | |
| | 13692 ◆ | 450 | 160 | 1050,0 | 379,0 | 57,962 | • | | • | 1 | | |
| | 13694 ◆ | 450 | 200 | 1050,0 | 343,0 | 57,962 | • | | • | 1 | | |
| | 13696 ◆ | 450 | 250 | 1050,0 | 305,0 | 57,962 | • | | • | 1 | | |
| 13698 ◆ | 450 | 315 | 1050,0 | 315,0 | 58,818 | • | | • | 1 | | | |
| 13699 | 450 | 355 | 1050,0 | 525,0 | 78,330 | • | • | | 1 | | | |
| 13700 | 450 | 400 | 1050,0 | 525,0 | 78,330 | • | • | | 1 | | | |

aquatherm blue pipe RED.-T-PIECE, SOCKET- & BUTT WELDING

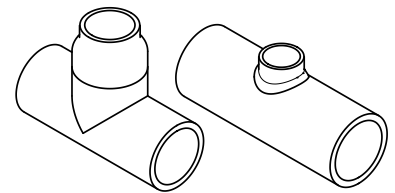
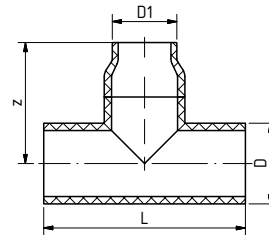
Systems: aquatherm blue pipe
Material: fusiolen® PP-R / PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: socket welding
Form: pipes with weld-in saddle



| SDR | Art. no. | D [mm] | d1 [mm] | D1 [mm] | L [mm] | l [mm] | z [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-------------------------------|----------|--------|---------|---------|--------|--------|--------|-------------|--------|----|----------|------------|
| <i>branch: socket welding</i> | | | | | | | | | | | | |
| 11 | 2013609 | 200 | 75 | 100,0 | 500,0 | 142,0 | 112,0 | 5,460 | • | 1 | | |
| | 2013611 | 200 | 90 | 120,0 | 500,0 | 145,0 | 112,0 | 5,580 | • | 1 | | |
| | 2013613 | 200 | 110 | 147,0 | 500,0 | 149,0 | 112,0 | 5,810 | • | 1 | | |
| | 2013615 | 200 | 125 | 167,0 | 500,0 | 155,0 | 115,0 | 6,100 | • | 1 | | |
| | 2013625 | 250 | 75 | 100,0 | 750,0 | 167,0 | 137,0 | 12,440 | • | 1 | | |
| | 2013627 | 250 | 90 | 120,0 | 750,0 | 170,0 | 137,0 | 12,420 | • | 1 | | |
| | 2013629 | 250 | 110 | 147,0 | 750,0 | 174,0 | 137,0 | 12,760 | • | 1 | | |
| | 2013631 | 250 | 125 | 167,0 | 750,0 | 180,0 | 140,0 | 13,030 | • | 1 | | |
| | 2013651 | 315 | 125 | 167,0 | 920,0 | 213,0 | 173,0 | 25,000 | • | 1 | | |
| | 2013663 | 355 | 125 | 167,0 | 960,0 | 233,0 | 193,0 | 32,500 | • | 1 | | |
| | 2013676 | 400 | 125 | 167,0 | 1000,0 | 255,0 | 215,0 | 42,100 | • | 1 | | |
| 2013690 | 450 | 125 | 167,0 | 1050,0 | 280,0 | 240,0 | 55,700 | • | 1 | | | |

aquatherm blue pipe RED.-T-PIECE, BUTT WELDING

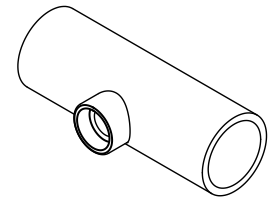
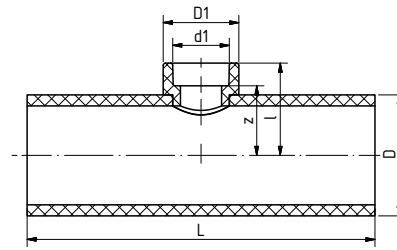
Systems: aquatherm blue pipe
Material: fusiolen® PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: butt welding



| SDR | Art. no. | D [mm] | D1 [mm] | L [mm] | z [mm] | Weight [kg] | System | Pipe with reducer | Pipe with weld-in saddle | PU | Box unit | Price € pc |
|-----------------------------|----------|--------|---------|--------|--------|-------------|--------|-------------------|--------------------------|----|----------|------------|
| <i>branch: butt welding</i> | | | | | | | | | | | | |
| 11 | 2013619 | 200 | 160 | 500,0 | 300,0 | 7,650 | • | • | | 1 | | |
| | 2013635 | 250 | 160 | 750,0 | 375,0 | 19,030 | • | • | | 1 | | |
| | 2013641 | 250 | 200 | 750,0 | 375,0 | 21,100 | • | • | | 1 | | |
| | 2013653 | 315 | 160 | 920,0 | 237,5 | 25,000 | • | | • | 1 | | |
| | 2013655 | 315 | 200 | 920,0 | 460,0 | 33,200 | • | • | | 1 | | |
| | 2013657 | 315 | 250 | 920,0 | 460,0 | 31,500 | • | • | | 1 | | |
| | 2013665 | 355 | 160 | 960,0 | 257,5 | 32,500 | • | | • | 1 | | |
| | 2013667 | 355 | 200 | 960,0 | 267,5 | 30,200 | • | | • | 1 | | |
| | 2013669 | 355 | 250 | 960,0 | 480,0 | 40,000 | • | • | | 1 | | |
| | 2013671 | 355 | 315 | 960,0 | 480,0 | 40,000 | • | • | | 1 | | |
| | 2013678 | 400 | 160 | 1000,0 | 354,0 | 44,100 | • | | • | 1 | | |
| | 2013680 | 400 | 200 | 1000,0 | 318,0 | 44,100 | • | | • | 1 | | |
| | 2013682 | 400 | 250 | 1000,0 | 280,0 | 46,000 | • | | • | 1 | | |
| | 2013684 | 400 | 315 | 1000,0 | 500,0 | 57,790 | • | • | | 1 | | |
| | 2013685 | 400 | 355 | 1000,0 | 500,0 | 52,715 | • | • | | 1 | | |
| | 2013692 | 450 | 160 | 1050,0 | 379,0 | 57,900 | • | | • | 1 | | |
| | 2013694 | 450 | 200 | 1050,0 | 343,0 | 57,900 | • | | • | 1 | | |
| | 2013696 | 450 | 250 | 1050,0 | 305,0 | 57,900 | • | | • | 1 | | |
| | 2013698 | 450 | 315 | 1050,0 | 315,0 | 58,400 | • | | • | 1 | | |
| 2013699 | 450 | 355 | 1050,0 | 525,0 | 62,491 | • | • | | 1 | | | |
| 2013700 | 450 | 400 | 1050,0 | 525,0 | 62,683 | • | • | | 1 | | | |

aquatherm blue pipe RED.-T-PIECE SOCKET- & BUTT WELDING

Systems: aquatherm blue pipe
Material: fusiolen® PP-R / PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: socket welding
Form: pipes with weld-in saddle

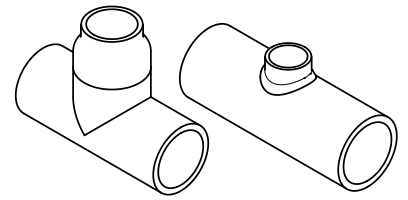
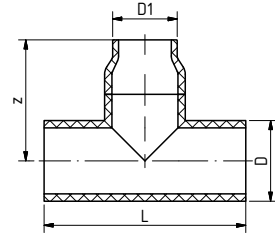


| SDR | Art. no. | D [mm] | d1 [mm] | D1 [mm] | L [mm] | l [mm] | z [mm] | Weight [kg] | System | pipe segments | injection molded* | PU | Box unit | Price € pc |
|-------------------------------|----------|--------|---------|---------|--------|--------|--------|-------------|--------|---------------|-------------------|----|----------|------------|
| <i>branch: socket welding</i> | | | | | | | | | | | | | | |
| 17.6 | 2513600 | 160 | 75 | 100,0 | 460,0 | 122,0 | 92,0 | 2,227 | • | • | | 1 | | |
| | 2513602 | 160 | 90 | 120,0 | 460,0 | 125,0 | 92,0 | 2,364 | • | • | | 1 | | |
| | 2513606 | 160 | 125 | 167,0 | 290,0 | 120,0 | 80,0 | 2,309 | | | • | 1 | | |
| | 2513608 | 200 | 75 | 100,0 | 500,0 | 142,0 | 112,0 | 3,620 | • | • | | 1 | | |
| | 2513610 | 200 | 90 | 120,0 | 500,0 | 145,0 | 112,0 | 3,742 | • | • | | 1 | | |
| | 2513612 | 200 | 110 | 147,0 | 500,0 | 149,0 | 112,0 | 3,976 | • | • | | 1 | | |
| | 2513614 | 200 | 125 | 167,0 | 500,0 | 155,0 | 115,0 | 4,269 | • | • | | 1 | | |
| | 2513624 | 250 | 75 | 100,0 | 750,0 | 167,0 | 137,0 | 8,149 | • | • | | 1 | | |
| | 2513626 | 250 | 90 | 120,0 | 750,0 | 170,0 | 137,0 | 8,274 | • | • | | 1 | | |
| | 2513628 | 250 | 110 | 147,0 | 750,0 | 174,0 | 137,0 | 8,504 | • | • | | 1 | | |
| | 2513630 | 250 | 125 | 167,0 | 750,0 | 180,0 | 140,0 | 9,000 | • | • | | 1 | | |
| | 2513651 | 315 | 125 | 167,0 | 920,0 | 213,0 | 173,0 | 17,570 | • | • | | 1 | | |
| | 2513663 | 355 | 125 | 167,0 | 960,0 | 233,0 | 193,0 | 21,500 | • | • | | 1 | | |
| | 2513676 | 400 | 125 | 167,0 | 1000,0 | 255,0 | 215,0 | 27,690 | • | • | | 1 | | |
| | 2513690 | 450 | 125 | 167,0 | 1050,0 | 280,0 | 240,0 | 36,470 | • | • | | 1 | | |
| 2513804 | 500 | 125 | 167,0 | 1200,0 | 305,0 | 265,0 | 51,250 | • | • | | 1 | | | |
| 2513839 | 630 | 125 | 167,0 | 1330,0 | 370,0 | 330,0 | 89,170 | • | • | | 1 | | | |

* status quo at the time of printing, further injection molded parts follow

aquatherm blue pipe RED.-T-PIECE, BUTT WELDING

Systems: aquatherm blue pipe
Material: fusiolen® PP-RCT
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: butt welding



| SDR | Art. no. | D [mm] | D1 [mm] | L [mm] | z [mm] | Weight [kg] | System | Pipe with reducer | Pipe with weld-in saddle | PU | Box unit | Price € pc |
|---------------------|----------|--------|---------|--------|--------|-------------|--------|-------------------|--------------------------|----|----------|------------|
| <i>butt welding</i> | | | | | | | | | | | | |
| | 2513618 | 200 | 160 | 500,0 | 300,0 | 5,000 | • | • | | | 1 | |
| | 2513634 | 250 | 160 | 750,0 | 375,0 | 11,600 | • | • | | | 1 | |
| | 2513640 | 250 | 200 | 750,0 | 375,0 | 11,500 | • | • | | | 1 | |
| | 2513653 | 315 | 160 | 920,0 | 237,5 | 16,500 | • | | • | | 1 | |
| | 2513655 | 315 | 200 | 920,0 | 460,0 | 23,600 | • | • | | | 1 | |
| | 2513657 | 315 | 250 | 920,0 | 460,0 | 22,600 | • | • | | | 1 | |
| | 2513665 | 355 | 160 | 960,0 | 257,5 | 21,500 | • | | • | | 1 | |
| | 2513667 | 355 | 200 | 960,0 | 267,5 | 21,900 | • | | • | | 1 | |
| | 2513669 | 355 | 250 | 960,0 | 480,0 | 28,300 | • | • | | | 1 | |
| | 2513671 | 355 | 315 | 960,0 | 480,0 | 30,500 | • | • | | | 1 | |
| | 2513678 | 400 | 160 | 1000,0 | 354,0 | 29,700 | • | | • | | 1 | |
| | 2513680 | 400 | 200 | 1000,0 | 318,0 | 29,700 | • | | • | | 1 | |
| | 2513682 | 400 | 250 | 1000,0 | 280,0 | 29,000 | • | | • | | 1 | |
| | 2513684 | 400 | 315 | 1000,0 | 500,0 | 30,667 | • | • | | | 1 | |
| | 2513685 | 400 | 355 | 1000,0 | 500,0 | 30,748 | • | • | | | 1 | |
| | 2513692 | 450 | 160 | 1050,0 | 379,0 | 37,000 | • | | • | | 1 | |
| | 2513694 | 450 | 200 | 1050,0 | 343,0 | 37,000 | • | | • | | 1 | |
| 17.6 | 2513696 | 450 | 250 | 1050,0 | 305,0 | 37,000 | • | | • | | 1 | |
| | 2513698 | 450 | 315 | 1050,0 | 315,0 | 37,000 | • | | • | | 1 | |
| | 2513699 | 450 | 355 | 1050,0 | 525,0 | 50,500 | • | • | | | 1 | |
| | 2513700 | 450 | 400 | 1050,0 | 525,0 | 50,100 | • | • | | | 1 | |
| | 2513806 | 500 | 160 | 1200,0 | 404,0 | 53,400 | • | | • | | 1 | |
| | 2513808 | 500 | 200 | 1200,0 | 368,0 | 53,500 | • | | • | | 1 | |
| | 2513810 | 500 | 250 | 1200,0 | 330,0 | 53,500 | • | | • | | 1 | |
| | 2513812 | 500 | 315 | 1200,0 | 340,0 | 54,000 | • | | • | | 1 | |
| | 2513813 | 500 | 355 | 1200,0 | 600,0 | 57,039 | • | • | | | 1 | |
| | 2513814 | 500 | 400 | 1200,0 | 600,0 | 57,245 | • | • | | | 1 | |
| | 2513815 | 500 | 450 | 1200,0 | 600,0 | 57,365 | • | • | | | 1 | |
| | 2513841 | 630 | 160 | 1330,0 | 474,0 | 91,530 | • | | • | | 1 | |
| | 2513843 | 630 | 200 | 1330,0 | 438,0 | 91,500 | • | | • | | 1 | |
| | 2513845 | 630 | 250 | 1330,0 | 400,0 | 91,500 | • | | • | | 1 | |
| | 2513847 | 630 | 315 | 1330,0 | 405,0 | 92,350 | • | | • | | 1 | |
| | 2513849 | 630 | 400 | 1330,0 | 665,0 | 97,299 | • | • | | | 1 | |
| | 2513850 | 630 | 450 | 1330,0 | 665,0 | 97,703 | • | • | | | 1 | |
| | 2513851 | 630 | 500 | 1330,0 | 665,0 | 98,032 | • | • | | | 1 | |

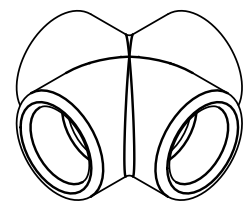
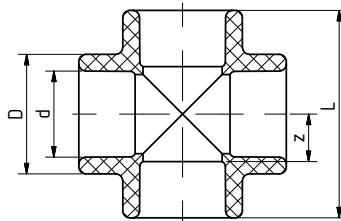
CROSS

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | Dimension d [mm] | D [mm] | L [mm] | z [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|------------------|--------|--------|--------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | |
| 6 | 13708 | 20 | 29,5 | 51,5 | 11,3 | 0,025 | • • | 10 | | |
| 7.4 | 13710 | 25 | 34,0 | 59,0 | 13,5 | 0,035 | • • | 10 | | |
| 9 | 13712 | 32 | 43,0 | 70,0 | 17,0 | 0,062 | • • | 5 | | |
| 11 | 13714 | 40 | 52,0 | 83,0 | 21,0 | 0,099 | • • | 5 | | |

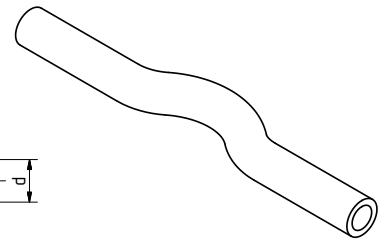
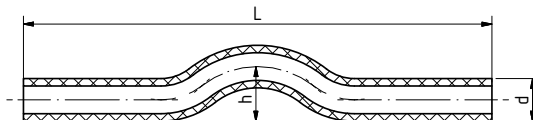
CROSS OVER FITTING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | Dimension d [mm] | h [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|------------------|--------|--------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | |
| 6 | 16106 | 16 | 25,0 | 352,0 | 0,038 | • | 10 | | |
| 7.4 | 16108 | 20 | 32,0 | 352,0 | 0,060 | • • | 10 | | |
| 9 | 16110 | 25 | 37,5 | 352,0 | 0,091 | • • | 10 | | |
| 11 | 16112 | 32 | 48,0 | 352,0 | 0,154 | • • | 5 | | |

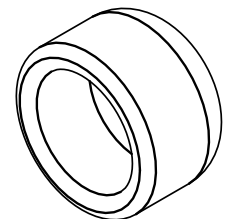
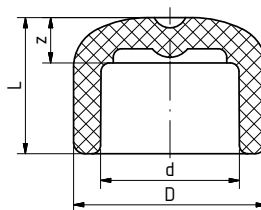
END CAP

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | Dimension d [mm] | D [mm] | z [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|------------------|--------|--------|--------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | |
| 6 7.4 9 11 | 14106 | 16 | 26,0 | 13,5 | 26,5 | 0,008 | • | 10 | 2000 | |
| | 14108 | 20 | 29,5 | 9,5 | 24,0 | 0,009 | • • | 10 | 2000 | |
| | 14110 | 25 | 34,0 | 8,0 | 24,0 | 0,011 | • • | 10 | 1500 | |
| | 14112 | 32 | 43,0 | 11,0 | 29,0 | 0,023 | • • | 5 | 1000 | |
| | 14114 | 40 | 52,0 | 17,5 | 38,0 | 0,042 | • • | 5 | 500 | |
| | 14116 | 50 | 68,0 | 21,0 | 44,5 | 0,082 | • • | 5 | 300 | |
| | 14118 | 63 | 84,0 | 24,5 | 52,0 | 0,146 | • • | 1 | 150 | |
| | 14120 | 75 | 100,0 | 28,5 | 58,5 | 0,243 | • • | 1 | 90 | |
| | 14122 | 90 | 120,0 | 34,5 | 67,5 | 0,365 | • • | 1 | 60 | |
| | 14124 | 110 | 147,0 | 28,0 | 65,0 | 0,635 | • • | 1 | 40 | |
| | 14126 | 125 | 167,0 | 42,0 | 82,0 | 0,872 | • • | 1 | | |

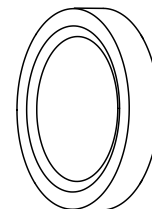
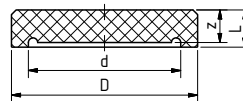
END CAP BUTT-WELDING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-RCT

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | Dimension D [mm] | L [mm] | z [mm] | d [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------|----------|------------------|--------|--------|--------|-------------|--------|----|----------|------------|
| 7.4 | 14130 | 160 | 70,0 | 21,9 | 116,2 | 0,876 | • | 1 | | |
| | 14134 | 200 | 80,0 | 27,4 | 145,2 | 1,398 | • | 1 | | |
| | 14138 | 250 | 90,0 | 34,2 | 181,6 | 2,530 | • | 1 | | |
| 9 | 314130 | 160 | 70,0 | 17,9 | 124,2 | 0,847 | • | 1 | | |
| | 314134 | 200 | 80,0 | 22,4 | 155,2 | 1,373 | • | 1 | | |
| | 314138 | 250 | 90,0 | 27,9 | 194,2 | 2,856 | • | 1 | | |
| | 314142 | 315 | 70,0 | 52,5 | 244,6 | 5,080 | • | 1 | | |
| | 314144 | 355 | 80,0 | 66,5 | 275,6 | 7,050 | • | 1 | | |
| 11 | 14131 | 160 | 70,0 | 14,6 | 130,8 | 0,759 | • • | 1 | | |
| | 14135 | 200 | 80,0 | 18,2 | 163,6 | 1,070 | • • | 1 | | |
| | 14139 | 250 | 90,0 | 22,7 | 204,6 | 1,989 | • • | 1 | | |
| | 14143 | 315 | 70,0 | 52,5 | 257,8 | 4,200 | • • | 1 | | |
| | 14145 | 355 | 80,0 | 67,5 | 290,6 | 6,410 | • • | 1 | | |
| | 14147 | 400 | 70,0 | 60,0 | 327,4 | 7,190 | • • | 1 | | |
| | 14149 | 450 | 80,0 | 70,0 | 368,2 | 10,500 | • • | 1 | | |
| 17.6 | 2514130 | 160 | 70,0 | 9,1 | 141,8 | 0,679 | • | 1 | | |
| | 2514134 | 200 | 80,0 | 11,4 | 177,2 | 0,925 | • | 1 | | |
| | 2514138 | 250 | 90,0 | 14,2 | 221,6 | 2,109 | • | 1 | | |
| | 2514142 | 315 | 70,0 | 60,0 | 279,2 | 4,500 | • | 1 | | |
| | 2514144 | 355 | 70,0 | 60,0 | 314,8 | 5,540 | • | 1 | | |
| | 2514146 | 400 | 75,0 | 65,0 | 354,6 | 6,000 | • | 1 | | |
| | 2514148 | 450 | 70,0 | 56,0 | 399,0 | 8,520 | • | 1 | | |
| | 2514150 | 500 | 75,0 | 62,0 | 443,2 | 12,500 | • | 1 | | |
| 2514154 | 630 | 90,0 | 78,0 | 558,6 | 23,500 | • | 1 | | | |

WELD-IN SADDLE

for pressureless installation

Systems:

aquatherm green pipe,
aquatherm blue pipe

Material:

fusiolen® PP-R

Standard:

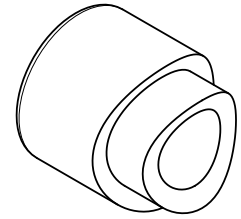
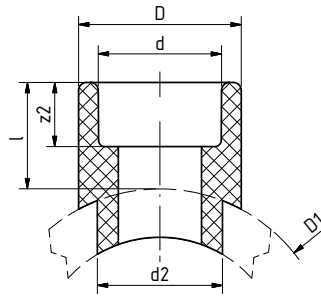
DIN 16962, DIN EN ISO 15874

Colour:

green

Notice:

*do not use with aquatherm blue pipe OT



| SDR | Art. no. | D1 [mm] | d [mm] | d2 [mm] | l [mm] | z2 [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|---------|--------|---------|--------|---------|--------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | |
| | 15156* | 40 | 20 | 25 | 27,0 | 14,5 | 29,5 | 0,016 | • • | 5 | | |
| | 15158* | 40 | 25 | 25 | 28,5 | 16,0 | 34,0 | 0,017 | • • | 5 | | |
| | 15160 | 50 | 20 | 25 | 27,5 | 14,5 | 29,5 | 0,018 | • • | 5 | | |
| | 15162 | 50 | 25 | 25 | 28,5 | 16,0 | 34,0 | 0,019 | • • | 5 | | |
| | 15164 | 63 | 20 | 25 | 27,5 | 14,5 | 29,5 | 0,017 | • • | 5 | | |
| | 15166 | 63 | 25 | 25 | 28,5 | 16,0 | 34,0 | 0,019 | • • | 5 | | |
| | 15168 | 63 | 32 | 32 | 30,0 | 18,0 | 43,0 | 0,028 | • • | 5 | | |
| | 15170 | 75 | 20 | 25 | 27,5 | 14,5 | 29,5 | 0,018 | • • | 5 | | |
| | 15172 | 75 | 25 | 25 | 28,5 | 16,0 | 34,0 | 0,019 | • • | 5 | | |
| | 15174 | 75 | 32 | 32 | 30,0 | 18,0 | 43,0 | 0,028 | • • | 5 | | |
| | 15175 | 75 | 40 | 40 | 34,0 | 20,5 | 52,0 | 0,049 | • • | 5 | | |
| | 15176 | 90 | 20 | 25 | 27,5 | 14,5 | 29,5 | 0,018 | • • | 5 | | |
| | 15178 | 90 | 25 | 25 | 28,5 | 16,0 | 34,0 | 0,019 | • • | 5 | | |
| | 15180 | 90 | 32 | 32 | 30,0 | 18,0 | 43,0 | 0,029 | • • | 5 | | |
| | 15181 | 90 | 40 | 40 | 34,0 | 20,5 | 52,0 | 0,048 | • • | 5 | | |
| | 15182 | 110 | 20 | 25 | 27,5 | 14,5 | 29,5 | 0,019 | • • | 5 | | |
| | 15184 | 110 | 25 | 25 | 28,5 | 16,0 | 34,0 | 0,020 | • • | 5 | | |
| | 15186 | 110 | 32 | 32 | 30,0 | 18,0 | 43,0 | 0,030 | • • | 5 | | |
| | 15188 | 110 | 40 | 40 | 34,0 | 20,5 | 52,0 | 0,050 | • • | 5 | | |
| | 15189 | 110 | 50 | 50 | 34,0 | 23,5 | 68,0 | 0,091 | • • | 5 | | |
| | 15190 | 125 | 20 | 25 | 27,5 | 14,5 | 29,5 | 0,019 | • • | 5 | | |
| | 15192 | 125 | 25 | 25 | 28,5 | 16,0 | 34,0 | 0,020 | • • | 5 | | |
| | 15194 | 125 | 32 | 32 | 30,0 | 18,0 | 43,0 | 0,029 | • • | 5 | | |
| 6 | 15196 | 125 | 40 | 40 | 34,0 | 20,5 | 52,0 | 0,050 | • • | 5 | | |
| 7.4 | 15197 | 125 | 50 | 50 | 34,0 | 23,5 | 68,0 | 0,090 | • • | 5 | | |
| 9 | 15198 | 125 | 63 | 63 | 38,0 | 27,5 | 84,0 | 0,149 | • • | 5 | | |
| 11 | 15206 | 160 | 20 | 25 | 27,5 | 14,5 | 29,5 | 0,021 | • • | 5 | | |
| 17.6 | 15208 | 160 | 25 | 25 | 28,5 | 16,0 | 34,0 | 0,023 | • • | 5 | | |
| | 15210 | 160 | 32 | 32 | 30,0 | 18,0 | 43,0 | 0,034 | • • | 5 | | |
| | 15212 | 160 | 40 | 40 | 34,0 | 20,5 | 52,0 | 0,054 | • • | 5 | | |
| | 15214 | 160 | 50 | 50 | 34,0 | 23,5 | 68,0 | 0,094 | • • | 5 | | |
| | 15216 | 160 | 63 | 63 | 38,0 | 27,5 | 84,0 | 0,157 | • • | 5 | | |
| | 15218 | 160 | 75 | 75 | 42,0 | 30,0 | 100,0 | 0,238 | • • | 5 | | |
| | 15220 | 160 | 90 | 90 | 45,0 | 33,0 | 120,0 | 0,360 | • • | 5 | | |
| | 15228 | 200-250 | 20 | 25 | 27,5 | 14,5 | 29,5 | 0,020 | • • | 5 | | |
| | 15229 | 200-250 | 25 | 25 | 28,5 | 16,0 | 34,0 | 0,021 | • • | 5 | | |
| | 15230 | 200-250 | 32 | 32 | 30,0 | 18,0 | 43,0 | 0,031 | • • | 5 | | |
| | 15231 | 200 | 40 | 40 | 34,0 | 20,5 | 52,0 | 0,049 | • • | 5 | | |
| | 15232 | 200 | 50 | 50 | 34,0 | 23,5 | 68,0 | 0,087 | • • | 5 | | |
| | 15233 | 200 | 63 | 63 | 37,5 | 27,5 | 84,0 | 0,146 | • • | 5 | | |
| | 15234 | 200 | 75 | 75 | 42,0 | 30,0 | 100,0 | 0,225 | • • | 5 | | |
| | 15235 | 200 | 90 | 90 | 45,0 | 33,0 | 120,0 | 0,356 | • • | 5 | | |
| | 15236 | 200 | 110 | 110 | 49,0 | 37,0 | 147,0 | 0,638 | • • | 5 | | |
| | 15237 | 200 | 125 | 125 | 55,0 | 40,0 | 167,0 | 0,862 | • • | 5 | | |
| | 15251 | 250 | 40 | 40 | 34,0 | 20,5 | 52,0 | 0,053 | • • | 5 | | |
| | 15252 | 250 | 50 | 50 | 34,0 | 23,5 | 68,0 | 0,090 | • • | 5 | | |
| | 15253 | 250 | 63 | 63 | 37,5 | 27,5 | 84,0 | 0,152 | • • | 5 | | |
| | 15254 | 250 | 75 | 75 | 42,0 | 30,0 | 100,0 | 0,222 | • • | 5 | | |
| | 15255 | 250 | 90 | 90 | 45,0 | 33,0 | 120,0 | 0,348 | • • | 5 | | |
| | 15256 | 250 | 110 | 110 | 49,0 | 37,0 | 147,0 | 0,602 | • • | 5 | | |
| | 15257 | 250 | 125 | 125 | 55,0 | 40,0 | 167,0 | 0,820 | • • | 5 | | |

WELD-IN SADDLE

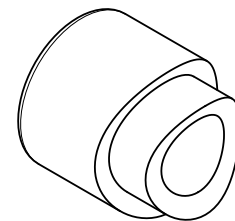
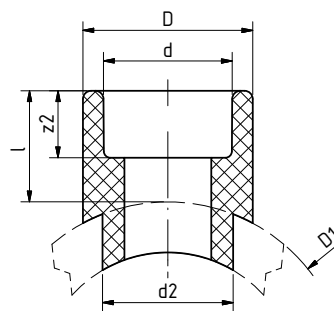
for pressureless installation

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | D1 [mm] | d [mm] | d2 [mm] | l [mm] | z2 [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------------|----------|---------|--------|---------|--------|---------|--------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | |
| 6 7.4 9 11 17.6 | 15260 | 315-355 | 63 | 63 | 37,5 | 27,5 | 84,0 | 0,153 | • • | 1 | | |
| | 15261 | 315-355 | 75 | 75 | 42,0 | 30,0 | 100,0 | 0,230 | • • | 1 | | |
| | 15262 | 315 | 90 | 90 | 45,0 | 33,0 | 120,0 | 0,363 | • • | 1 | | |
| | 15263 | 315 | 110 | 110 | 49,0 | 37,0 | 147,0 | 0,592 | • • | 1 | | |
| | 15264 | 315 | 125 | 125 | 55,0 | 40,0 | 167,0 | 0,830 | • • | 1 | | |
| | 15268 | 355 | 90 | 90 | 45,0 | 33,0 | 120,0 | 0,355 | • • | 1 | | |
| | 15269 | 355 | 110 | 110 | 49,0 | 37,0 | 147,0 | 0,586 | • • | 1 | | |
| | 15270 | 355 | 125 | 125 | 55,0 | 40,0 | 167,0 | 0,813 | • • | 1 | | |
| | 15275 | 400-500 | 75 | 75 | 42,0 | 30,0 | 100,0 | 0,216 | • • | 1 | | |
| | 15277 | 400-450 | 110 | 110 | 49,0 | 37,0 | 147,0 | 0,535 | • • | 1 | | |
| | 15278 | 400 | 125 | 125 | 55,0 | 40,0 | 167,0 | 0,693 | • • | 1 | | |
| | 15288 | 400-500 | 90 | 90 | 45,0 | 33,0 | 120,0 | 0,330 | • • | 1 | | |
| | 15290 | 450-500 | 125 | 125 | 55,0 | 40,0 | 167,0 | 0,671 | • • | 1 | | |
| | 15300 | 400-630 | 63 | 63 | 37,5 | 27,5 | 84,0 | 0,498 | • • | 1 | | |
| | 15303 | 500 | 110 | 110 | 49,0 | 37,5 | 147,0 | 0,533 | • • | 1 | | |
| | 15315 | 630 | 75 | 75 | 42,0 | 30,0 | 100,0 | 0,260 | • • | 1 | | |
| | 15316 | 630 | 90 | 90 | 45,0 | 33,0 | 120,0 | 0,350 | • • | 1 | | |
| 15318 | 630 | 125 | 125 | 55,0 | 40,0 | 167,0 | 0,689 | • • | 1 | | | |
| 15331 | 630 | 110 | 110 | 49,0 | 37,0 | 147,0 | 0,567 | • • | 1 | | | |

With weld-on surface and additional weld-in socket for the fusion with the inner pipe wall.

The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 100 onwards.

WELD-IN SADDLE BUTT WELDING

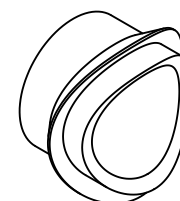
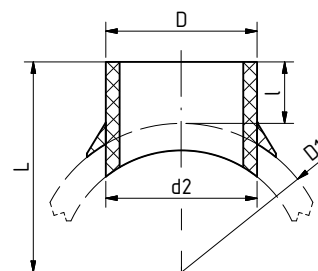
for pressureless installation

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-RCT

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | D1 [mm] | D [mm] | d2 [mm] | l [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|---------|--------|---------|--------|--------|-------------|--------|----|----------|------------|
| <i>butt welding</i> | | | | | | | | | | | |
| 9 | 315265 | 315 | 160 | 160 | 80,0 | 237,5 | 0,831 | • • | 1 | | |
| | 315271 | 355 | 160 | 160 | 80,0 | 257,5 | 0,845 | • • | 1 | | |
| 11 | 15265 | 315 | 160 | 160 | 80,0 | 237,5 | 0,868 | • • | 1 | | |
| | 15271 | 355 | 160 | 160 | 80,0 | 257,5 | 0,867 | • • | 1 | | |

With weld-on surface and additional weld-in socket for the fusion with the inner pipe wall.

The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 100 onwards.

WELD-IN SADDLE WITH FEMALE THREAD

for pressureless installation, with spanner flat

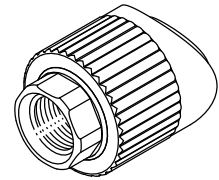
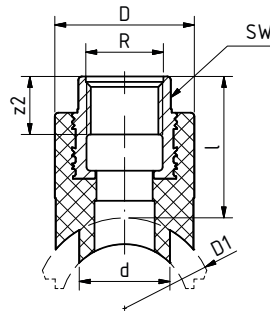
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874
fusiolen® PP-R, brass

Colour: green

Notice: *do not use with aquatherm blue pipe OT



| SDR | Art. no. | D1 [mm] | d [mm] | l [mm] | z2 [mm] | D [mm] | R | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|------------|-----------|-----------|------------|-----------|------|------------|----------------|--------|----|----------|---------------|
| <i>socket welding</i> | | | | | | | | | | | | | |
| | 28214* | 40 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 24 | 0,088 | • • | | 5 | |
| | 28216 | 50 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 24 | 0,090 | • • | | 5 | |
| | 28218 | 63 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 24 | 0,089 | • • | | 5 | |
| | 28220 | 75 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 24 | 0,083 | • • | | 5 | |
| | 28222 | 90 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 24 | 0,090 | • • | | 5 | |
| | 28224 | 110 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 24 | 0,089 | • • | | 5 | |
| | 28226 | 125 | 25 | 39,0 | 16,0 | 38,0 | 1/2" | 24 | 0,092 | • • | | 5 | |
| | 28230 | 160 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 24 | 0,092 | • • | | 5 | |
| | 28232 | 200-250 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 24 | 0,092 | • • | | 5 | |
| | 28234 | 40 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 31 | 0,107 | • • | | 5 | |
| 6 | 28236 | 50 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 31 | 0,110 | • • | | 5 | |
| 7.4 | 28238 | 63 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 31 | 0,109 | • • | | 5 | |
| 9 | 28240 | 75 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 31 | 0,109 | • • | | 5 | |
| 11 | 28242 | 90 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 31 | 0,110 | • • | | 5 | |
| 17.6 | 28244 | 110 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 31 | 0,110 | • • | | 5 | |
| | 28246 | 125 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 31 | 0,112 | • • | | 5 | |
| | 28250 | 160 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 31 | 0,112 | • • | | 5 | |
| | 28254 | 200-250 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 31 | 0,112 | • • | | 5 | |
| | 28260 | 75 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,223 | • • | | 5 | |
| | 28262 | 90 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,223 | • • | | 5 | |
| | 28264 | 110 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,223 | • • | | 5 | |
| | 28266 | 125 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,224 | • • | | 5 | |
| | 28270 | 160 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,226 | • • | | 5 | |
| | 28274 | 200-250 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,244 | • • | | 5 | |

WELD-IN SADDLE WITH FEMALE THREAD

for pressureless installation

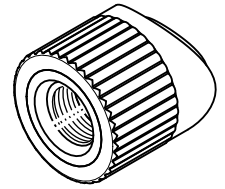
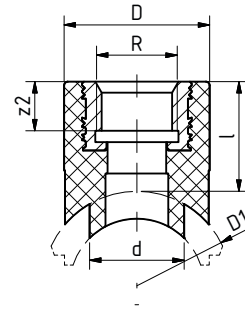
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874
fusiolen® PP-R, stainless steel

Colour: green

Notice: *do not use with aquatherm blue pipe OT



| SDR | Art. no. | D1 [mm] | d [mm] | l [mm] | z2 [mm] | D [mm] | R | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|---------|--------|--------|---------|--------|------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | |
| | 928214* | 40 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 0,062 | • • | 5 | | |
| | 928216 | 50 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 0,064 | • • | 5 | | |
| | 928218 | 63 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 0,064 | • • | 5 | | |
| | 928220 | 75 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 0,064 | • • | 5 | | |
| | 928222 | 90 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 0,064 | • • | 5 | | |
| | 928224 | 110 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 0,069 | • • | 5 | | |
| | 928226 | 125 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 0,065 | • • | 5 | | |
| 6 | 928230 | 160 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 0,066 | • • | 5 | | |
| 7.4 | 928232 | 200-250 | 25 | 39,0 | 16,0 | 38,5 | 1/2" | 0,065 | • • | 5 | | |
| 9 | 928234 | 40 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 0,082 | • • | 5 | | |
| 11 | 928236 | 50 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 0,074 | • • | 5 | | |
| 17.6 | 928238 | 63 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 0,073 | • • | 5 | | |
| | 928240 | 75 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 0,074 | • • | 5 | | |
| | 928242 | 90 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 0,074 | • • | 5 | | |
| | 928244 | 110 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 0,083 | • • | 5 | | |
| | 928246 | 125 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 0,074 | • • | 5 | | |
| | 928250 | 160 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 0,076 | • • | 5 | | |
| | 928254 | 200-250 | 25 | 39,0 | 21,0 | 43,5 | 3/4" | 0,084 | • • | 5 | | |

WELD-IN SADDLE WITH FEMALE THREAD

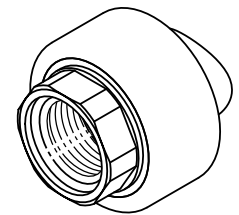
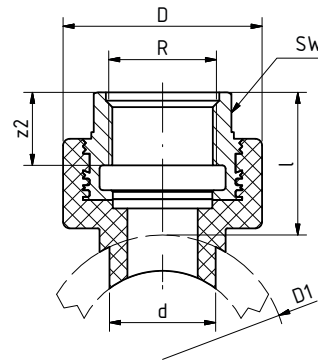
for pressureless installation, with spanner flat

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874
fusiolen® PP-R, stainless steel

Colour: green



| SDR | Art. no. | D1 [mm] | d [mm] | l [mm] | z2 [mm] | D [mm] | R | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|---------|--------|--------|---------|--------|----|---------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | | |
| | 928260 | 75 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,234 | • • | 5 | | |
| 6 | 928262 | 90 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,235 | • • | 5 | | |
| 7.4 | 928264 | 110 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,236 | • • | 5 | | |
| 9 | 928266 | 125 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,235 | • • | 5 | | |
| 11 | 928270 | 160 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,238 | • • | 5 | | |
| 17.6 | 928274 | 200-250 | 32 | 43,0 | 22,0 | 60,0 | 1" | 39 | 0,237 | • • | 5 | | |

WELD-IN SADDLE WITH MALE THREAD

for pressureless installation, with spanner flat

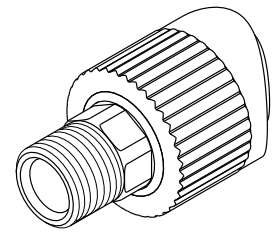
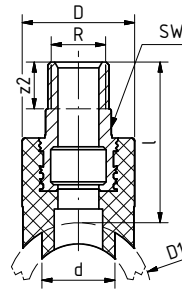
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

Notice: *do not use with aquatherm blue pipe OT



| SDR | Art. no. | D1 [mm] | d [mm] | l [mm] | z2 [mm] | D [mm] | R | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------------|----------|---------|--------|--------|---------|--------|------|---------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | | |
| 6 7.4 9 11 17.6 | 28314* | 40 | 25 | 55,0 | 16,0 | 38,5 | 1/2" | 21 | 0,088 | • • | 5 | | |
| | 28316 | 50 | 25 | 55,0 | 16,0 | 38,5 | 1/2" | 21 | 0,090 | • • | 5 | | |
| | 28318 | 63 | 25 | 55,0 | 16,0 | 38,5 | 1/2" | 21 | 0,089 | • • | 5 | | |
| | 28320 | 75 | 25 | 55,0 | 16,0 | 38,5 | 1/2" | 21 | 0,097 | • • | 5 | | |
| | 28322 | 90 | 25 | 55,0 | 16,0 | 38,5 | 1/2" | 21 | 0,090 | • • | 5 | | |
| | 28324 | 110 | 25 | 55,0 | 16,0 | 38,5 | 1/2" | 21 | 0,089 | • • | 5 | | |
| | 28326 | 125 | 25 | 55,0 | 16,0 | 38,5 | 1/2" | 21 | 0,092 | • • | 5 | | |
| | 28330 | 160 | 25 | 55,0 | 16,0 | 38,5 | 1/2" | 21 | 0,092 | • • | 5 | | |
| | 28334* | 40 | 25 | 56,0 | 17,0 | 43,5 | 3/4" | 24 | 0,107 | • • | 5 | | |
| | 28336 | 50 | 25 | 56,0 | 17,0 | 43,5 | 3/4" | 24 | 0,110 | • • | 5 | | |
| | 28338 | 63 | 25 | 56,0 | 17,0 | 43,5 | 3/4" | 24 | 0,109 | • • | 5 | | |
| | 28340 | 75 | 25 | 56,0 | 17,0 | 43,5 | 3/4" | 24 | 0,109 | • • | 5 | | |
| | 28342 | 90 | 25 | 56,0 | 17,0 | 43,5 | 3/4" | 24 | 0,110 | • • | 5 | | |
| | 28344 | 110 | 25 | 56,0 | 17,0 | 43,5 | 3/4" | 24 | 0,110 | • • | 5 | | |
| | 28346 | 125 | 25 | 56,0 | 17,0 | 43,5 | 3/4" | 24 | 0,112 | • • | 5 | | |
| | 28350 | 160 | 25 | 56,0 | 17,0 | 43,5 | 3/4" | 24 | 0,112 | • • | 5 | | |

With hex shaped male thread, weld-in surface and weld-in socket for fusion with the inner wall of the pipe. The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 100 onwards.

aquatherm WELD-ON SADDLE SET WITH BALL VALVE

for installation under pressure

in use with tapping tool page 104

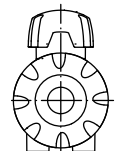
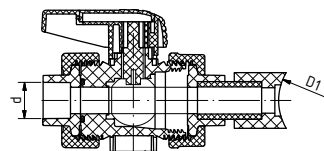
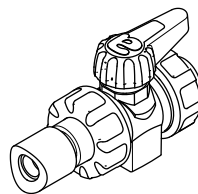
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

Notice: do not use with aquatherm blue pipe OT



| SDR | Art. no. | d [mm] | D1 [mm] | System | PU | Box unit | Price € pc |
|-----------------------------|----------|--------|---------|--------|----|----------|------------|
| 6 7.4 9 11 17.6 | 16175 | 40 | 75 | • • | 1 | | |
| | 16181 | 40 | 90 | • • | 1 | | |
| | 16188 | 40 | 110 | • • | 1 | | |
| | 16196 | 40 | 125 | • • | 1 | | |
| | 16198 | 63 | 125 | • • | 1 | | |
| | 16212 | 40 | 160 | • • | 1 | | |
| | 16216 | 63 | 160 | • • | 1 | | |
| | 16231 | 40 | 200 | • • | 1 | | |
| | 16233 | 63 | 200 | • • | 1 | | |
| | 16251 | 40 | 250 | • • | 1 | | |
| | 16253 | 63 | 250 | • • | 1 | | |
| | 16260 | 63 | 315-355 | • • | 1 | | |
| | 16300 | 63 | 400-630 | • • | 1 | | |

The required tools for the fusion of aquatherm green pipe weld-on saddles are listed from page 105 onwards.

FLANGE ADAPTER SOCKET WELDING

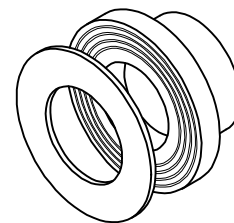
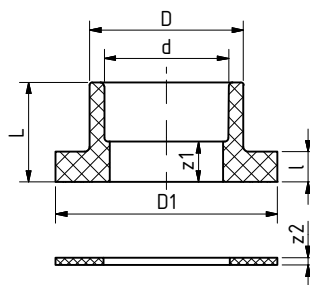
with gasket

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | Dimension d [mm] | L [mm] | l [mm] | D [mm] | D1 [mm] | z1 [mm] | z2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|------------------|--------|--------|--------|---------|---------|---------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | | |
| 6 7.4 9 11 | 15512 | 32 | 34,0 | 10,0 | 41,0 | 68,0 | 16,0 | 3 | 0,053 | • • | | 1 | |
| | 15514 | 40 | 35,5 | 11,0 | 50,0 | 78,0 | 15,0 | 3 | 0,071 | • • | | 1 | |
| | 15516 | 50 | 39,5 | 12,0 | 61,0 | 88,0 | 16,0 | 3 | 0,071 | • • | | 1 | |
| | 15518 | 63 | 43,5 | 14,0 | 76,0 | 102,0 | 16,0 | 3 | 0,112 | • • | | 1 | |
| | 15520 | 75 | 46,0 | 16,0 | 90,0 | 122,0 | 16,0 | 3 | 0,169 | • • | | 1 | |
| | 15522 | 90 | 50,0 | 17,0 | 108,0 | 138,0 | 17,0 | 3 | 0,261 | • • | | 1 | |
| | 15524 | 110 | 55,5 | 18,5 | 131,0 | 158,0 | 18,5 | 3 | 0,329 | • • | | 1 | |
| | 15527 | 125 | 63,0 | 20,0 | 165,0 | 188,0 | 23,0 | 3 | 0,724 | • • | | 1 | |

FLANGE ADAPTER SOCKET WELDING

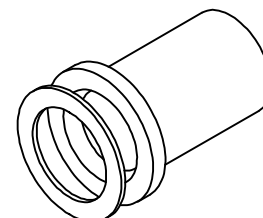
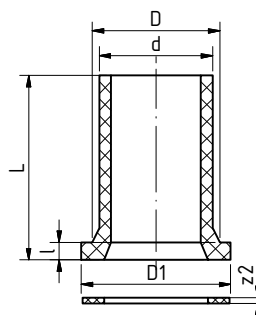
with gasket

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | Dimension d [mm] | L [mm] | l [mm] | D [mm] | D1 [mm] | z2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|------------------|--------|--------|--------|---------|---------|-------------|--------|----|----------|------------|
| 6 7.4 9 11 | 15526 | 125 | 195,0 | 18,5 | 131,0 | 158,0 | 3 | 1,180 | • • | | 1 | |

*Only use with fitting 125 mm; with 110 mm flange adapter suitable for Art. no. 15724

Suitable flange adapter for shut-off valves are available on request.

FLANGE ADAPTER BUTT WELDING

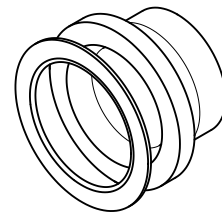
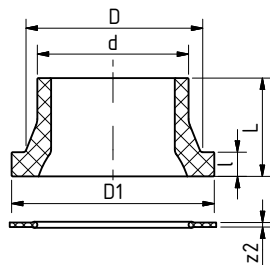
with gasket

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-RCT

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | Dimension d [mm] | L [mm] | l [mm] | D [mm] | D1 [mm] | z2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|------------------|--------|--------|--------|---------|---------|-------------|--------|----|----------|------------|
| <i>butt welding</i> | | | | | | | | | | | | |
| 9 | 15530 | 160 | 93,0 | 25,0 | 175,0 | 212,0 | 3,00 | 1,163 | • | 1 | | |
| | 15534 | 200 | 130,0 | 32,0 | 232,0 | 268,0 | 6,00 | 2,292 | • | 1 | | |
| | 15538 | 250 | 130,0 | 35,0 | 285,0 | 320,0 | 6,00 | 3,298 | • | 1 | | |
| | 315530* | 160 | 93,0 | 25,0 | 175,0 | 212,0 | 3 | 1,150 | • | 1 | | |
| | 315534 | 200 | 130,0 | 32,0 | 232,0 | 268,0 | 6 | 2,292 | • | 1 | | |
| | 315538 | 250 | 130,0 | 35,0 | 285,0 | 320,0 | 6 | 3,313 | • | 1 | | |
| | 315542 | 315 | 172,5 | 52,0 | 337,0 | 370,0 | 6 | 5,640 | • | 1 | | |
| 315544 | 355 | 217,0 | 77,0 | 372,0 | 432,0 | 6 | 14,000 | • | 1 | | | |
| 11 | 15531 | 160 | 93,0 | 25,0 | 175,0 | 212,0 | 3 | 0,955 | • • | 1 | | |
| | 15535 | 200 | 130,0 | 32,0 | 232,0 | 268,0 | 6 | 1,957 | • • | 1 | | |
| | 15539 | 250 | 130,0 | 35,0 | 285,0 | 320,0 | 6 | 2,717 | • • | 1 | | |
| | 15543 | 315 | 168,0 | 35,0 | 335,0 | 370,0 | 6 | 6,000 | • • | 1 | | |
| | 15545 | 355 | 180,0 | 40,0 | 373,0 | 430,0 | 6 | 7,930 | • • | 1 | | |
| | 15547 | 400 | 195,0 | 46,0 | 427,0 | 482,0 | 6 | 12,000 | • • | 1 | | |
| | 15549 | 450 | 139,0 | 60,0 | 514,0 | 585,0 | 7 | 14,540 | • • | 1 | | |
| 17.6 | 2515530 | 160 | 80,0 | 18,0 | 175,0 | 212,0 | 3 | 0,821 | • | 1 | | |
| | 2515534 | 200 | 130,0 | 32,0 | 232,0 | 268,0 | 6 | 1,849 | • | 1 | | |
| | 2515538 | 250 | 130,0 | 35,0 | 285,0 | 320,0 | 6 | 2,736 | • | 1 | | |
| | 2515542 | 315 | 168,0 | 25,0 | 335,0 | 370,0 | 6 | 4,500 | • | 1 | | |
| | 2515544 | 355 | 184,0 | 30,0 | 373,0 | 430,0 | 6 | 7,000 | • | 1 | | |
| | 2515546 | 400 | 195,0 | 33,0 | 427,0 | 482,0 | 6 | 7,360 | • | 1 | | |
| | 2515548 | 450 | 142,0 | 46,0 | 514,0 | 585,0 | 7 | 10,400 | • | 1 | | |
| | 2515550 | 500 | 138,0 | 46,0 | 530,0 | 585,0 | 7 | 8,700 | • | 1 | | |
| 2515554 | 630 | 140,0 | 50,0 | 642,0 | 685,0 | 7 | 12,530 | • | 1 | | | |

Up to 160 mm EPDM-gasket without steel ring insert. From 200 mm EPDM-gasket with steel ring insert.

Suitable flange adapter for shut-off valves available on request.

FLANGE ADAPTER INCL. FLANGE PN6

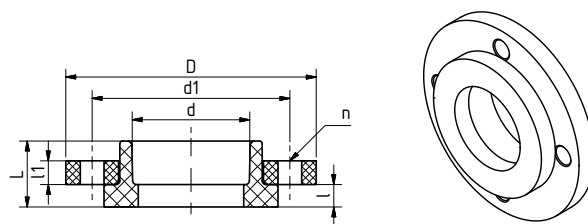
without gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: Flange: Steel galvanized
Flange adapter: fusiolen® PP-R

Colour: Flange: black
Flange adapter: green

d = Connection dimension, d1 = hole-circle,
PN 6 = Flange according to DIN 2641



| SDR | Art. no. | Diameter d [mm] | D [mm] | d1 [mm] | L [mm] | l1 [mm] | l [mm] | n | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------------|----------|-----------------|--------|---------|--------|---------|--------|---|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | | |
| 6 7.4 9 11 17.6 | 15012 | 32 | 100,0 | 75,0 | 34,0 | 10,0 | 10,0 | 4 | 1,090 | • • | 1 | | |
| | 15014 | 40 | 120,0 | 90,0 | 35,5 | 10,0 | 11,0 | 4 | 1,170 | • • | 1 | | |
| | 15016 | 50 | 130,0 | 100,0 | 39,5 | 10,0 | 12,0 | 4 | 1,360 | • • | 1 | | |
| | 15018 | 63 | 140,0 | 110,0 | 43,5 | 10,0 | 14,0 | 4 | 0,886 | • • | 1 | | |
| | 15020 | 75 | 160,0 | 130,0 | 46,0 | 10,0 | 16,0 | 4 | 1,148 | • • | 1 | | |
| | 15022 | 90 | 190,0 | 150,0 | 50,0 | 10,0 | 17,0 | 4 | 1,618 | • • | 1 | | |
| | 15024 | 110 | 210,0 | 170,0 | 55,5 | 10,0 | 18,5 | 4 | 1,824 | • • | 1 | | |
| | 15027 | 125 | 240,0 | 200,0 | 63,0 | 12,0 | 20,0 | 8 | 3,945 | • • | 1 | | |

Delivery time: on request

FLANGE ADAPTER INCL. FLANGE PN6

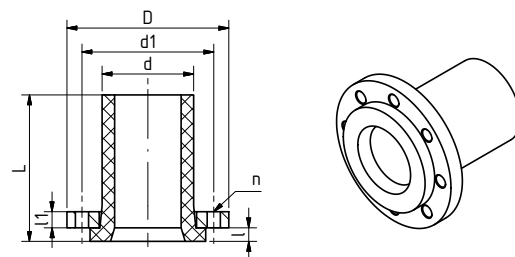
without gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: Flange: Steel galvanized
Flange adapter: fusiolen® PP-R

Colour: Flange: black
Flange adapter: green

d = Connection dimension, d1 = hole-circle,
PN 6 = Flange according to DIN 2641



| SDR | Art. no. | Diameter d [mm] | D [mm] | d1 [mm] | L [mm] | l1 [mm] | l [mm] | n | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------------|----------|-----------------|--------|---------|--------|---------|--------|---|-------------|--------|----|----------|------------|
| 6 7.4 9 11 17.6 | 15026 | 125 | 210,0 | 170,0 | 195,0 | 10,0 | 18,5 | 4 | 2,715 | • • | 1 | | |

Delivery time: on request

125mm Fitting with 110mm Flange adapter incl. flange PN6
Use only in combination with a fitting

FLANGE ADAPTER INCL. FLANGE PN6

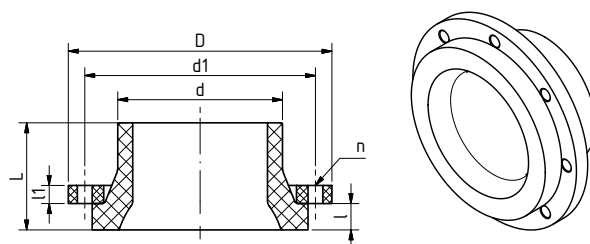
without gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: Flange: Steel galvanized
Flange adapter: fusiolen® PP-RCT

Colour: Flange: black
Flange adapter: green

d = Connection dimension, d1 = hole-circle,
PN 6 = Flange according to DIN 2641



| SDR | Art. no. | Diameter d [mm] | D [mm] | d1 [mm] | L [mm] | l1 [mm] | l [mm] | n | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|-----------------|--------|---------|--------|---------|--------|---|-------------|--------|----|----------|------------|
| <i>Butt welding</i> | | | | | | | | | | | | | |
| 11 | 15031 | 160 | 265,0 | 225,0 | 93,0 | 12,0 | 25,0 | 8 | 4,136 | • • | 1 | | |
| | 15035 | 200 | 320,0 | 280,0 | 130,0 | 12,0 | 32,0 | 8 | 6,694 | • • | 1 | | |
| | 15039 | 250 | 375,0 | 335,0 | 130,0 | 12,0 | 35,0 | 8 | 9,500 | • • | 1 | | |

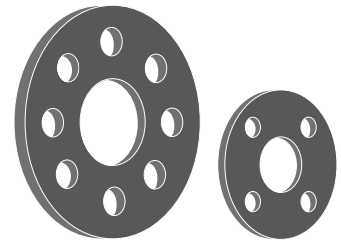
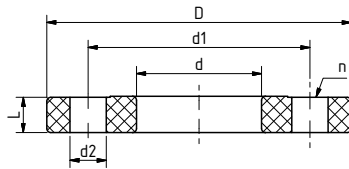
Delivery time: on request

PLASTIC COATED STEEL FLANGE

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: PP/steel

Colour: grey



d = Connection dimension, d1 = hole-circle,
PN10/16= Flange according to DIN EN1092, DIN2501

| SDR | Art. no. | fits to Art. no. | Dimension flange adapter [mm] | DN | d [mm] | d1 [mm] | D [mm] | d2 [mm] | L [mm] | n | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|----------------------------|-------------------------------|-----|--------|---------|--------|---------|--------|----|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | | | | |
| | 15712 | 15512 | 32 | 25 | 42,0 | 85,0 | 116,0 | 14,0 | 15,5 | 4 | 0,469 | • | • | 1 | |
| | 15714 | 15514 | 40 | 32 | 51,0 | 100,0 | 141,0 | 18,0 | 17,5 | 4 | 0,722 | • | • | 1 | |
| | 15716 | 15516 | 50 | 40 | 62,0 | 110,0 | 151,0 | 18,0 | 17,5 | 4 | 0,770 | • | • | 1 | |
| | 15718 | 15518 | 63 | 50 | 78,0 | 125,0 | 166,0 | 18,0 | 19,0 | 4 | 0,911 | • | • | 1 | |
| | 15720 | 15520 | 75 | 65 | 92,0 | 145,0 | 186,0 | 18,0 | 19,0 | 4 | 1,132 | • | • | 1 | |
| | 15722 | 15522 | 90 | 80 | 110,0 | 160,0 | 201,0 | 18,0 | 21,0 | 8 | 1,356 | • | • | 1 | |
| | 15724 | 15524/26 | 110 | 100 | 133,0 | 180,0 | 221,0 | 18,0 | 22,0 | 8 | 1,475 | • | • | 1 | |
| | 15726 | 15527 | 125 | 125 | 167,0 | 210,0 | 251,0 | 18,0 | 26,0 | 8 | 2,082 | • | • | 1 | |
| | 15730 | 15531 315530 2515530 | 160 | 150 | 178,0 | 240,0 | 286,0 | 22,0 | 27,0 | 8 | 3,671 | • | • | 1 | |
| 6 | 15734* | 15535 | 200 | 200 | 235,0 | 295,0 | 341,0 | 22,0 | 28,0 | 8 | 4,709 | • | • | 1 | |
| 7.4 | | 315534 | | | | | | | | | | | | | |
| 9 | | 2515534 | | | | | | | | | | | | | |
| 11 | 15738* | 15539 | 250 | 250 | 288,0 | 350,0 | 406,0 | 22,0 | 31,0 | 12 | 7,094 | • | • | 1 | |
| 17.6 | | 315538 2515538 | | | | | | | | | | | | | |
| | 15742* | 15543 315542 2515542 | 315 | 300 | 340,0 | 400,0 | 460,0 | 22,0 | 33,5 | 12 | 9,500 | • | • | 1 | |
| | 15744* | 15545 315544 2515544 | 355 | 350 | 376,0 | 460,0 | 520,0 | 22,0 | 39,0 | 16 | 15,300 | • | • | 1 | |
| | 15746* | 15547 2515546 | 400 | 400 | 430,0 | 515,0 | 565,0 | 26,0 | 34,0 | 16 | 19,680 | • | • | 1 | |
| | 15748** | 15549 2515548 | 450 | 500 | 517,0 | 620,0 | 670,0 | 26,0 | 42,0 | 20 | 22,880 | • | • | 1 | |
| | 15750** | 2515550 | 500 | 500 | 533,0 | 620,0 | 670,0 | 26,0 | 38,0 | 20 | 19,000 | • | • | 1 | |
| | 15754** | 2515554 | 630 | 600 | 645,0 | 725,0 | 785,0 | 30,0 | 40,0 | 20 | 25,800 | • | • | 1 | |

*Flange PN16 ø 200 – 630 mm (Art. no. 15934 – 15954) available on request.

**Material: steel/epoxyd

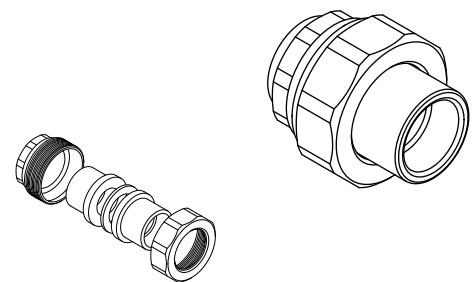
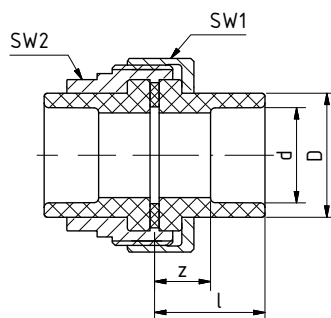
COUPLING SCREW JOINT

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

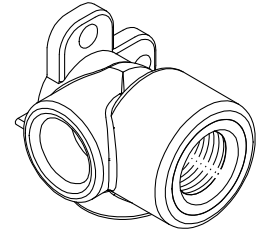
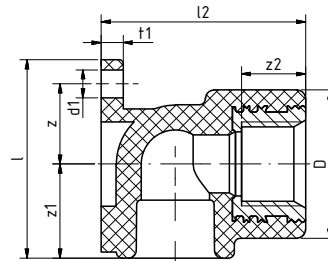
Standard: DIN 16962, DIN EN ISO 15874

Colour: green, brassy



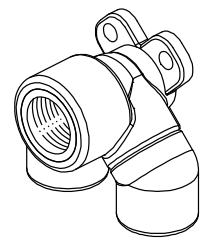
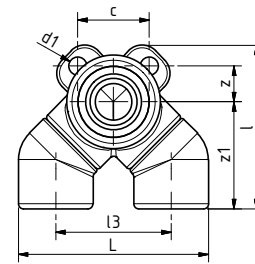
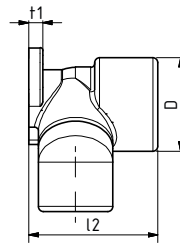
| SDR | Art. no. | Dimension d [mm] | l [mm] | z [mm] | D [mm] | SW1 [mm] | SW2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|------------------|--------|--------|--------|----------|----------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | |
| | 15812 | 32 | 36,5 | 18,5 | 41,0 | 64 | 50 | 0,479 | • | • | 1 | |
| 6 | 15814 | 40 | 38,0 | 17,5 | 50,0 | 80 | 60 | 0,841 | • | • | 1 | |
| 7.4 | 15816 | 50 | 41,0 | 17,5 | 61,0 | 86 | 70 | 0,821 | • | • | 1 | |
| 9 | 15818 | 63 | 45,0 | 17,5 | 76,0 | 108 | 90 | 1,498 | • | • | 1 | |
| 11 | 15820 | 75 | 31,0 | 17,5 | 90,0 | 128 | 104 | 1,998 | • | • | 1 | |

PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW 90°

| Art. no. | Dimension | D [mm] | d1 [mm] | l [mm] | l2 [mm] | t1 [mm] | z [mm] | z1 [mm] | z2 [mm] | PU | Box unit | Price € pc |
|----------|-----------------------|--------|---------|--------|---------|---------|--------|---------|---------|----|----------|------------|
| 20197 | 20mm x 1/2" f x 20 mm | 37,0 | 7,0 | 49,5 | 51,0 | 5,5 | 20,0 | 23,5 | 16,0 | 1 | | |

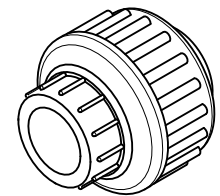
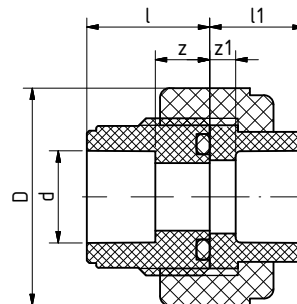


aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW, PARALLEL

| Art. no. | Dimension | D [mm] | d1 [mm] | L [mm] | l [mm] | l2 [mm] | l3 [mm] | c [mm] | t1 [mm] | z [mm] | z1 [mm] | PU | Box unit | Price € pc |
|----------|-----------------------|--------|---------|--------|--------|---------|---------|--------|---------|--------|---------|----|----------|------------|
| 20198 | 20mm x 1/2" f x 20 mm | 37,0 | 7,0 | 75,0 | 65,0 | 51,0 | 45,6 | 28,3 | 5,5 | 14,0 | 42,3 | 1 | | |

COUPLING SCREW JOINT

- Systems:** aquatherm green pipe, aquatherm blue pipe
- Material:** fusiolen® PP-R
- Standard:** DIN 16962, DIN EN ISO 15874
- Colour:** green



| SDR | Art. no. | Dimension d [mm] | l [mm] | z [mm] | l1 [mm] | z1 [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|------------------|--------|--------|---------|---------|--------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | |
| 6 7.4 9 11 | 15838 | 20 | 26,0 | 12,0 | 20,0 | 5,5 | 46,0 | 0,036 | • • | 10 | | |
| | 15840 | 25 | 28,0 | 12,0 | 21,0 | 5,0 | 56,0 | 0,058 | • • | 10 | | |
| | 15842 | 32 | 30,0 | 12,0 | 23,0 | 5,0 | 66,0 | 0,089 | • • | 5 | | |
| | 15844 | 40 | 34,0 | 13,5 | 25,5 | 5,0 | 79,0 | 0,136 | • • | 5 | | |
| | 15846 | 50 | 39,0 | 15,5 | 28,8 | 5,0 | 87,0 | 0,170 | • • | 5 | | |
| | 15848 | 63 | 47,5 | 20,0 | 32,5 | 5,0 | 107,0 | 0,240 | • • | 1 | | |
| | 15850 | 75 | 50,0 | 20,0 | 36,0 | 6,0 | 128,0 | 0,546 | • • | 1 | | |

ELECTROFUSION SOCKET

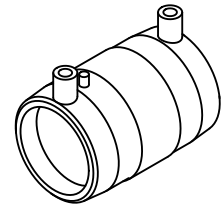
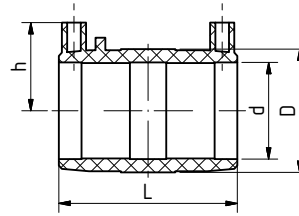
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

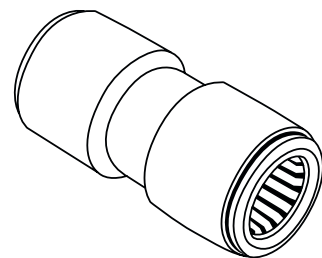
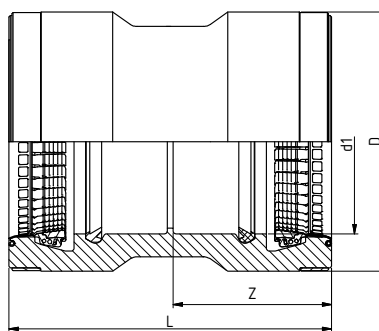
Notice: do not use with 160 – 250 mm fittings
*do not use with aquatherm blue pipe MF OT



| SDR | Art. no. | Dimension d [mm] | L [mm] | h [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-------------------------------|----------|------------------|--------|--------|--------|-------------|--------|----|----------|------------|
| <i>Electro-socket welding</i> | | | | | | | | | | |
| 6 7.4 9 11 17.6 | 17208 | 20 | 70,0 | 36,0 | 31,5 | 0,049 | • • | 1 | | |
| | 17210 | 25 | 78,0 | 38,5 | 36,5 | 0,057 | • • | 1 | | |
| | 17212 | 32 | 80,0 | 42,5 | 45,0 | 0,077 | • • | 1 | | |
| | 17214 | 40 | 92,0 | 47,0 | 54,0 | 0,103 | • • | 1 | | |
| | 17216 | 50 | 103,0 | 52,0 | 65,0 | 0,142 | • • | 1 | | |
| | 17218 | 63 | 118,0 | 58,0 | 81,5 | 0,239 | • • | 1 | | |
| | 17220 | 75 | 130,0 | 64,5 | 96,0 | 0,347 | • • | 1 | | |
| | 17222 | 90 | 145,0 | 72,0 | 113,5 | 0,501 | • • | 1 | | |
| | 17224 | 110 | 160,0 | 82,5 | 139,0 | 0,821 | • • | 1 | | |
| | 17226 | 125 | 172,0 | 90,0 | 156,0 | 1,097 | • • | 1 | | |
| | 17230* | 160 | 186,0 | 109,5 | 197,0 | 1,754 | • • | 1 | | |
| | 17234* | 200 | 210,0 | 134,0 | 243,0 | 3,625 | • • | 1 | | |
| 17238* | 250 | 250,0 | 170,0 | 315,0 | 7,142 | • • | 1 | | | |

NEW PUSH-FIT COUPLING

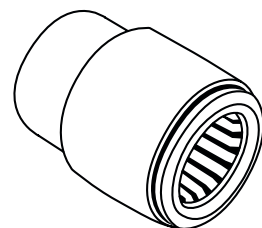
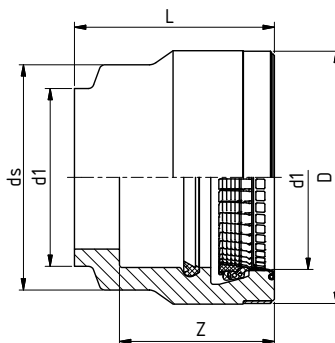
| | |
|---------------------|---|
| Systems: | aquatherm blue pipe |
| Material: | fusiolen® PP-RCT/EPDM |
| Pipe series: | SDR 11/17.6 |
| Standard: | DIN EN ISO 15874 |
| Colour: | green |
| Notice: | do not use for aquatherm blue pipe MF RP OT |



| SDR | Art. no. | d1 [mm] | L [mm] | D [mm] | z [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|------------|----------|---------|--------|--------|--------|-------------|--------|----|----------|------------|
| 11 17.6 | 17322 | 90 | 285,0 | 152,0 | 140,0 | 2,300 | • | 1 | | |
| | 17324 | 110 | 345,0 | 175,0 | 170,0 | 3,700 | • | 1 | | |
| | 17326 | 125 | 350,0 | 190,0 | 172,0 | 4,300 | • | 1 | | |
| | 17330 | 160 | 372,0 | 234,0 | 183,0 | 6,600 | • | 1 | | |
| | 17334 | 200 | 470,0 | 285,0 | 231,0 | 11,000 | • | 1 | | |
| | 17338 | 250 | 496,0 | 375,0 | 243,0 | 24,200 | • | 1 | | |
| | 17342 | 315 | 560,0 | 450,0 | 275,0 | 40,200 | • | 1 | | |
| | 17344 | 355 | 576,0 | 492,0 | 283,0 | 45,700 | • | 1 | | |
| | 17346 | 400 | 610,0 | 540,0 | 300,0 | 54,800 | • | 1 | | |
| 17348 | 450 | 646,0 | 600,0 | 318,0 | 69,600 | • | 1 | | | |

NEW PUSH-FIT ADAPTER

| | |
|---------------------|---|
| Systeme: | aquatherm blue pipe |
| Material: | fusiolen® PP-RCT/EPDM |
| Pipe series: | SDR 11/17.6 |
| Standard: | DIN EN ISO 15874 |
| Colour: | green |
| Notice: | do not use for aquatherm blue pipe MF RP OT |

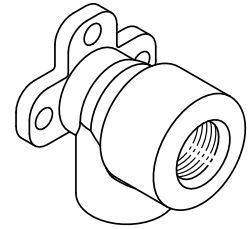
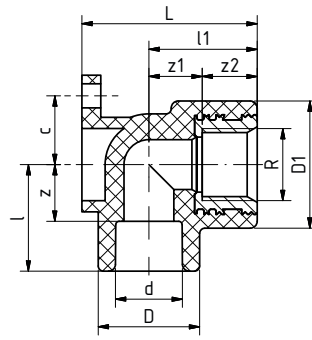


| SDR | Art. no. | d1 [mm] | L [mm] | D [mm] | ds [mm] | z [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|------------|----------|---------|--------|--------|---------|--------|-------------|--------|----|----------|------------|
| 11 17.6 | 17422 | 90 | 170,0 | 152,0 | 112,0 | 140,0 | 1,200 | • | 1 | | |
| | 17424 | 110 | 205,0 | 175,0 | 140,0 | 170,0 | 2,000 | • | 1 | | |
| | 17426 | 125 | 210,0 | 190,0 | 161,0 | 172,0 | 2,300 | • | 1 | | |
| | 17430 | 160 | 227,0 | 234,0 | 202,0 | 183,0 | 3,800 | • | 1 | | |
| | 17434 | 200 | 285,0 | 285,0 | 250,0 | 231,0 | 6,500 | • | 1 | | |
| | 17438 | 250 | 315,0 | 375,0 | 317,0 | 243,0 | 15,000 | • | 1 | | |
| | 17442 | 315 | 355,0 | 450,0 | 400,0 | 275,0 | 24,000 | • | 1 | | |
| | 17444 | 355 | 370,0 | 492,0 | 450,0 | 283,0 | 28,000 | • | 1 | | |
| | 17446 | 400 | 390,0 | 540,0 | 500,0 | 300,0 | 34,000 | • | 1 | | |
| | 17448 | 450 | 415,0 | 600,0 | 560,0 | 318,0 | 44,000 | • | 1 | | |
| | 17526 | 125 | 210,0 | 190,0 | 161,0 | 172,0 | 2,300 | • | 1 | | |
| | 17530 | 160 | 227,0 | 234,0 | 202,0 | 183,0 | 3,800 | • | 1 | | |
| | 17534 | 200 | 285,0 | 285,0 | 250,0 | 231,0 | 6,500 | • | 1 | | |
| | 17538 | 250 | 315,0 | 355,0 | 295,0 | 243,0 | 11,500 | • | 1 | | |
| | 17542 | 315 | 345,0 | 425,0 | 370,0 | 275,0 | 16,300 | • | 1 | | |
| | 17544 | 355 | 360,0 | 470,0 | 415,0 | 283,0 | 20,000 | • | 1 | | |
| 17546 | 400 | 390,0 | 510,0 | 465,0 | 300,0 | 23,800 | • | 1 | | | |
| 17548 | 450 | 400,0 | 565,0 | 520,0 | 318,0 | 27,800 | • | 1 | | | |

Fittings and connecting parts e.g. elbows (45°/90°), T-pieces, red-T-pieces, etc. on request

BACK PLATE ELBOW

| | |
|------------------|--|
| Systems: | aquatherm green pipe, aquatherm blue pipe |
| Material: | fusiolen® PP-R, brass fusiolen® PP-R, stainless steel |
| Standard: | DIN 16962, DIN EN ISO 15874 |
| Colour: | green |

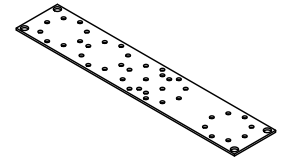
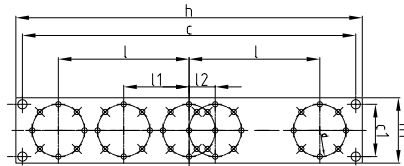


| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | l1 [mm] | z1 [mm] | z2 [mm] | D1 [mm] | L [mm] | c [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|------------------------|----------|--------|------|--------|--------|--------|---------|---------|---------|---------|--------|--------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | | | | | | |
| brass | | | | | | | | | | | | | | | | | |
| 6 7.4 11 | 20106 | 16 | 1/2" | 31,0 | 18,0 | 29,5 | 31,5 | 18,5 | 13,0 | 37,0 | 51,0 | 20,0 | 0,080 | • | | 200 | |
| | 20108 | 20 | 1/2" | 31,0 | 16,5 | 29,5 | 31,5 | 18,5 | 13,0 | 37,0 | 51,0 | 20,0 | 0,079 | • • | | 200 | |
| | 20110 | 20 | 3/4" | 37,0 | 22,5 | 34,0 | 37,0 | 24,0 | 13,0 | 44,0 | 54,0 | - | 0,106 | • • | | | |
| | 20112 | 25 | 3/4" | 37,0 | 21,0 | 34,0 | 37,0 | 24,0 | 13,0 | 44,0 | 54,0 | - | 0,105 | • • | | | |
| | 20113 | 25 | 1/2" | 33,5 | 17,5 | 34,0 | 31,0 | 18,0 | 13,0 | 37,0 | 53,0 | 20,0 | 0,080 | • • | | | |
| stainless steel | | | | | | | | | | | | | | | | | |
| | 920108 | 20 | 1/2" | 31,0 | 16,5 | 29,5 | 31,5 | 18,5 | 13,0 | 37,0 | 51,0 | 20,0 | 0,084 | • | | | |
| | 920110 | 20 | 3/4" | 37,0 | 22,5 | 34,0 | 37,0 | 24,0 | 13,0 | 44,0 | 54,0 | - | 0,101 | • • | | | |
| | 920112 | 25 | 3/4" | 37,0 | 21,0 | 34,0 | 37,0 | 24,0 | 13,0 | 44,0 | 54,0 | - | 0,111 | • • | | | |
| | 920113 | 25 | 1/2" | 33,5 | 17,5 | 34,0 | 31,0 | 18,0 | 13,0 | 37,0 | 53,0 | 20,0 | 0,076 | • • | | | |

MOUNTING PLATE

galvanized; to fix back plate elbows as double connection

- Systems:** aquatherm green pipe, aquatherm blue pipe
Material: iron, galvanized
Colour: zinc



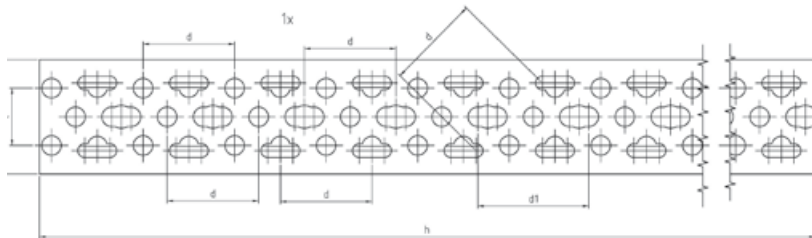
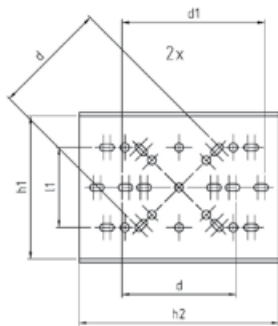
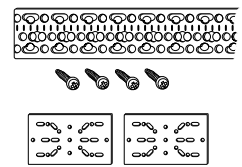
| Art. no. | d [mm] | l [mm] | l1 [mm] | l2 [mm] | c [mm] | c1 [mm] | h [mm] | h1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|--------|--------|---------|---------|--------|---------|--------|---------|-------------|--------|----|----------|------------|
| 60010 | 40 | 100 | 50 | 20 | 255 | 40 | 265 | 50 | 0,221 | • • | 1 | | |

not suitable for connection with sound insulation plate (Art. no. 79080).
 We recommend mounting rail Art. no. 79090.

MOUNTING PLATE

galvanized; to fix back plate elbows as double connection including 2 fixing plates and 4 screws

- Systems:** aquatherm green pipe, aquatherm blue pipe
Material: iron, galvanized
Colour: zinc

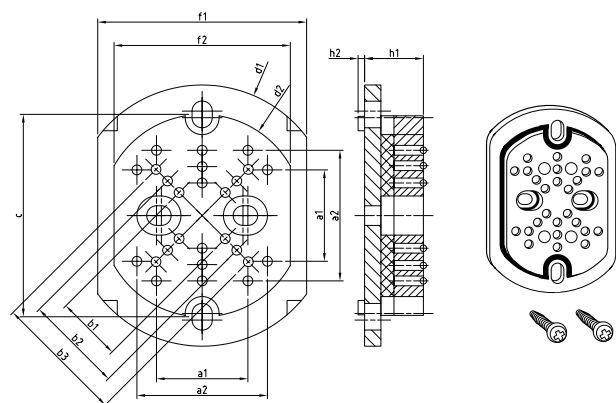


| Art. no. | d [mm] | d1 [mm] | l [mm] | l1 [mm] | h [mm] | h1 [mm] | h2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|--------|---------|--------|---------|--------|---------|---------|-------------|--------|----|----------|------------|
| 79090 | 40 | 50 | 25 | 28 | 560 | 70 | 70 | 0,546 | • • | 1 | | |

SOUND INSULATION PLATE

for aquatherm green pipe and aquatherm grey pipe back plate elbow

- Systems:** aquatherm green pipe, aquatherm grey pipe
Material: PP
Colour: white



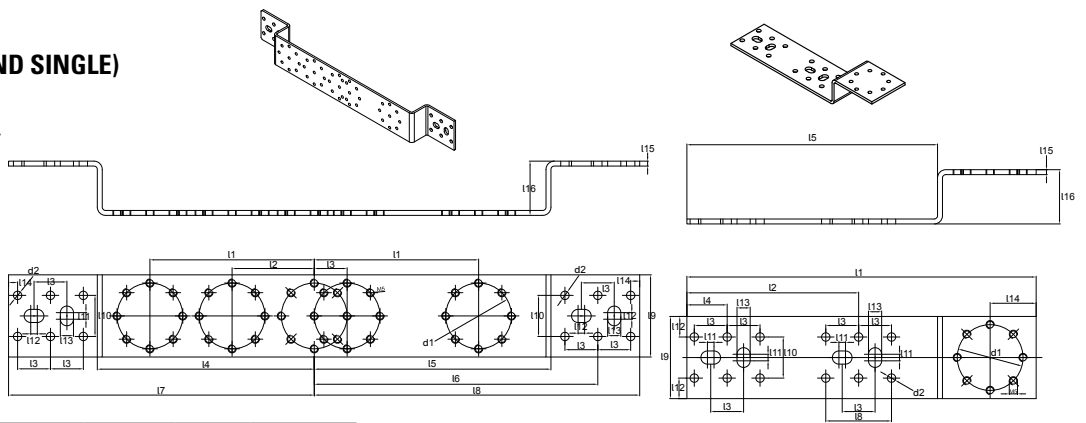
| Art. no. | a1 [mm] | a2 [mm] | b1 [mm] | b2 [mm] | b3 [mm] | c [mm] | d1 [mm] | d2 [mm] | f1 [mm] | f2 [mm] | h1 [mm] | h2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|-------------|--------|----|----------|------------|
| 79080 | 28 | 20 | 30 | 40 | 62 | 62 | 80 | 62 | 64 | 54 | 18 | 2 | 0,058 | • • | 2 | | |

MOUNTING RAIL (DOUBLE AND SINGLE)

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: iron, galvanized

Colour: zinc

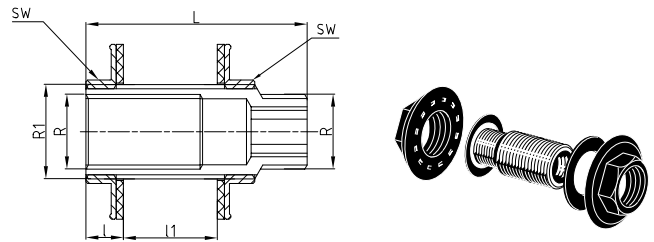


| Art. no. | ø d1 [mm] | ø d2 [mm] | Weight [kg] | System | PU | Price € pc |
|----------|-----------|-----------|-------------|--------|----|------------|
| 79095 | 40 | 5,1 | 0,412 | • • | 2 | |
| 79096 | 40 | 5,1 | 0,235 | • • | 2 | |

DRY CONSTRUCTION WALL FITTING

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: brass



| Art. no. | R | R1 | l [mm] | l1 [mm] | L [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|------|------|--------|---------|--------|---------|-------------|--------|----|----------|------------|
| 20114 | 1/2" | 3/4" | 10,5 | 26,0 | 62,0 | 30 | 0,213 | • • | 10 | | |

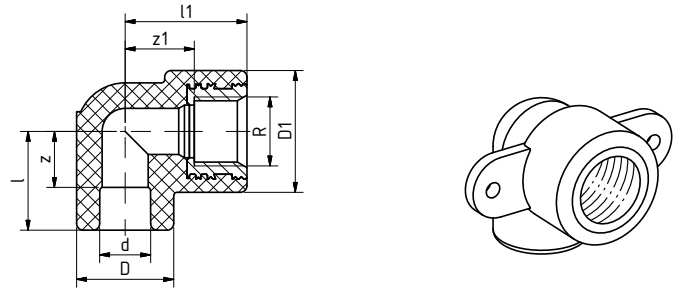
BACK PLATE ELBOW FOR DRY CONSTRUCTION

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | l1 [mm] | z1 [mm] | D1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|------------------------|--------|------|--------|--------|--------|---------|---------|---------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | | | |
| brass | | | | | | | | | | | | | | |
| 6 | 20156 | 16 | 1/2" | 30,0 | 17,0 | 29,5 | 37,0 | 24,0 | 37,0 | 0,081 | • • | 10 | | |
| 7.4 | 20158 | 20 | 1/2" | 30,0 | 15,5 | 29,5 | 37,0 | 24,0 | 37,0 | 0,079 | • • | 10 | | |
| 11 | stainless steel | | | | | | | | | | | | | |
| | 920158 | 20 | 1/2" | 30,0 | 15,5 | 29,5 | 37,0 | 24,0 | 37,0 | 0,078 | • • | 10 | | |

TRANSITION PIECE

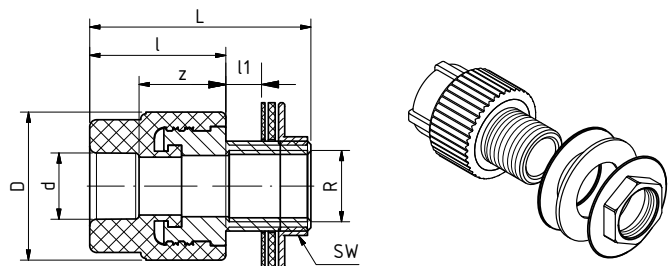
with counternut, gasket and tension washer

Systems: aquatherm green pipe aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



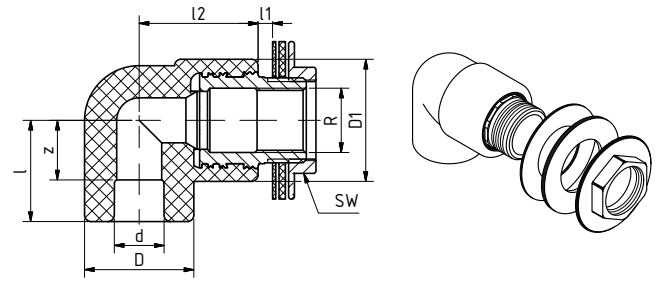
| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | l1 [mm] | L [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|--------|------|--------|--------|--------|---------|--------|---------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | | | |
| 6 | 20204 | 20 | 1/2" | 40,0 | 25,5 | 43,5 | 13,5 | 65,0 | 29 | 0,204 | • • | 10 | | |
| 7.4 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |

e.g. for connection of a cistern or application with mounting plate (Art. no. 60110 – 60115)

TRANSITION ELBOW

with counternut, gasket and tension washer

- Systems:** aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



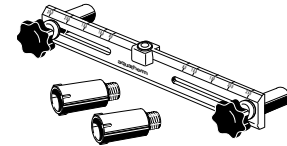
| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | l1 [mm] | l2 [mm] | D1 [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------|--------|------|--------|--------|--------|---------|---------|---------|---------|-------------|--------|----|----------|------------|
| <i>socket welding</i> | | | | | | | | | | | | | | | |
| 6 | 20206 | 16 | 1/2" | 37,0 | 24,0 | 29,5 | 3,5 | 35,0 | 44,0 | 29 | 0,201 | • | 10 | | |
| 7.4 | 20208 | 20 | 1/2" | 37,0 | 22,5 | 29,5 | 3,5 | 35,0 | 44,0 | 29 | 0,154 | • • | 10 | | |
| 11 | 20209 | 25 | 1/2" | 37,0 | 21,0 | 34,0 | 3,5 | 37,0 | 44,0 | 29 | 0,206 | • • | 10 | | |

e.g. for connection of a cistern or application with mounting plate (Art. no. 60110 – 60115)

ASSEMBLING JIG

as water level with 2 plugs 1/2"

- Systems:** aquatherm green pipe aquatherm blue pipe
Material: fusiolen® PP-R
Colour: green

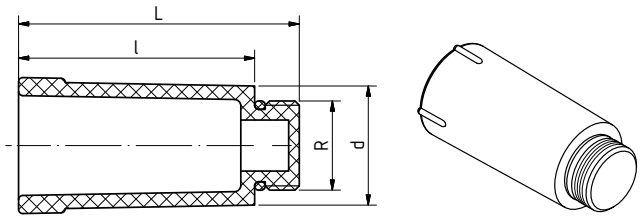


| Art. no. | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|-------------|--------|----|----------|------------|
| 50700 | 0,252 | • • | 1 | | |

PLUG FOR PRESSURE TESTS

with gasket

- Systems:** aquatherm green pipe aquatherm blue pipe
Material: fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

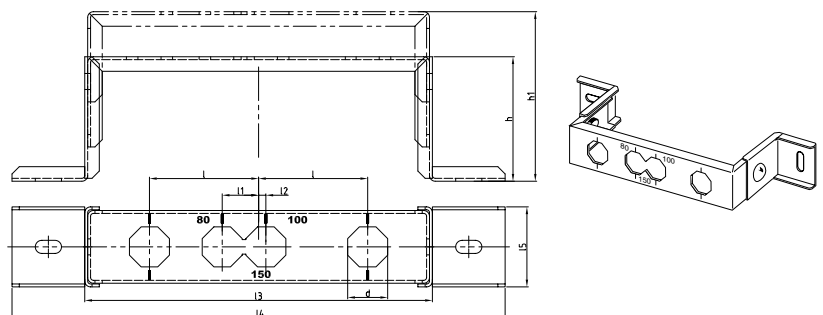


| Art. no. | d [mm] | R | l [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|--------|------|--------|--------|-------------|--------|----|----------|------------|
| 50708 | 28 | 1/2" | 55,5 | 66,0 | 0,022 | • • | 10 | | |
| 50710 | 34 | 3/4" | 55,5 | 66,0 | 0,027 | • • | 10 | | |

MOUNTING UNIT

double

- Systems:** aquatherm green pipe, aquatherm blue pipe
Material: iron/galvanized zinc
Colour: zinc

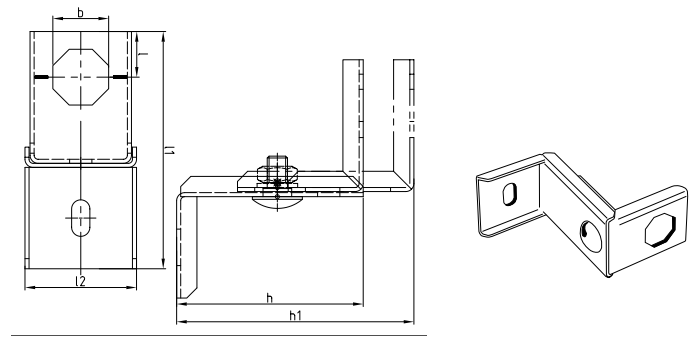


| Art. no. | b [mm] | l [mm] | l1 [mm] | l2 [mm] | h [mm] | h1 [mm] | l3 [mm] | l4 [mm] | l5 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|--------|--------|---------|---------|--------|---------|---------|---------|---------|-------------|--------|----|----------|------------|
| 60110 | 27,5 | 75 | 25 | 5 | 92,5 | 122,5 | 239 | 339 | 55 | 0,630 | • • | 1 | | |

MOUNTING UNIT

single

- Systems:** aquatherm green pipe,
aquatherm blue pipe
- Material:** iron/galvanized
- Colour:** zinc

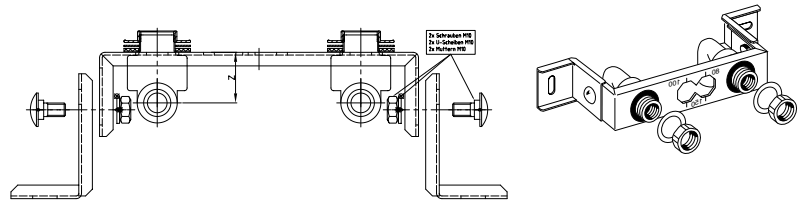


| Art. no. | b [mm] | l [mm] | l1 [mm] | l2 [mm] | h [mm] | h1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|--------|--------|---------|---------|--------|---------|-------------|--------|----|----------|------------|
| 60115 | 27,5 | 118 | 22,5 | 55 | 92,5 | 122,5 | 0,278 | • • | 1 | | |

MOUNTING UNIT

with two aquatherm green pipe transition elbows (Art. no. 20208), with conternut, gasket and tension washer

- Systems:** aquatherm green pipe,
aquatherm blue pipe
- Material:** fusiolen® PP-R, brass
iron/galvanized
- Colour:** green
zinc

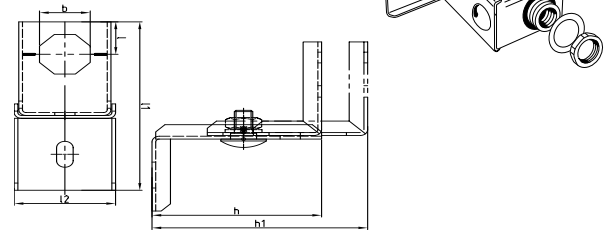


| Art. no. | b [mm] | l [mm] | l1 [mm] | l2 [mm] | h [mm] | h1 [mm] | l3 [mm] | l4 [mm] | l5 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|--------|--------|---------|---------|--------|---------|---------|---------|---------|-------------|--------|----|----------|------------|
| 60150 | 27,5 | 75 | 25 | 5 | 92,5 | 122,5 | 239 | 339 | 55 | 0,942 | • • | 1 | | |

MOUNTING UNIT

with one aquatherm green pipe transition elbow (Art. no. 20208), with conternut, gasket and tension washer

- Systems:** aquatherm green pipe,
aquatherm blue pipe
- Material:** fusiolen® PP-R, brass
iron/galvanized
- Colour:** green
zinc

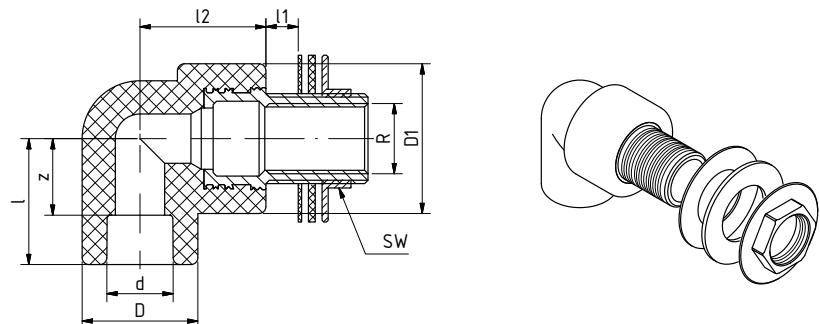


| Art. no. | b [mm] | l [mm] | l1 [mm] | l2 [mm] | h [mm] | h1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|--------|--------|---------|---------|--------|---------|-------------|--------|----|----------|------------|
| 60155 | 27,5 | 22,5 | 118 | 55 | 92,5 | 122,5 | 0,434 | • • | 1 | | |

TRANSITION ELBOW

for plasterboard

- Systems:** aquatherm green pipe,
aquatherm blue pipe
- Material:** fusiolen® PP-R, brass
green
- Colour:** green

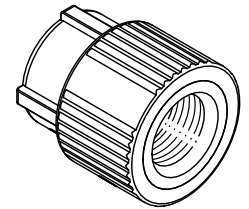
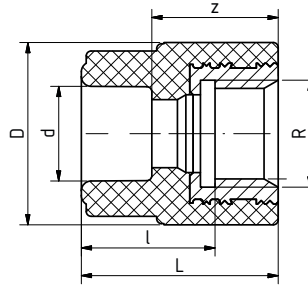


| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | L [mm] | l1 [mm] | D1 [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|------|--------|--------|--------|--------|---------|---------|---------|-------------|--------|----|----------|------------|
| 6 | | | | | | | | | | | | | | | |
| 7.4 | 20210 | 20 | 1/2" | 37,0 | 22,5 | 29,5 | 18,5 | 35,0 | 44,0 | 29 | 0,223 | • • | 10 | | |
| 11 | | | | | | | | | | | | | | | |

with 30 mm thread, conternut, gasket and tension washer

TRANSITION PIECE WITH FEMALE THREAD

round

Systems: aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel**Standard:** DIN 16962, DIN EN ISO 15874**Colour:** green

| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|--------------|------------------------|-----------|------|-----------|-----------|-----------|-----------|----------------|--------|----|-------------|---------------|
| brass | | | | | | | | | | | | |
| | 21006 | 16 | 1/2" | 28,0 | 28,0 | 38,5 | 41,0 | 0,066 | • | 10 | | |
| | 21008 | 20 | 1/2" | 27,5 | 26,0 | 37,5 | 40,5 | 0,064 | • • | 10 | 400 | |
| | 21010 | 20 | 3/4" | 27,5 | 26,0 | 43,5 | 40,5 | 0,089 | • • | 10 | 300 | |
| | 21011 | 25 | 1/2" | 29,5 | 26,5 | 38,5 | 42,5 | 0,065 | • • | 10 | 400 | |
| | 21012 | 25 | 3/4" | 27,5 | 24,5 | 43,5 | 40,5 | 0,087 | • • | 10 | 300 | |
| 6 | 21013 | 32 | 3/4" | 30,5 | 25,5 | 43,5 | 43,5 | 0,092 | • • | 5 | 250 | |
| 7.4 | stainless steel | | | | | | | | | | | |
| 9 | 921008 | 20 | 1/2" | 27,5 | 26,0 | 37,5 | 40,5 | 0,069 | • • | 10 | | |
| 11 | 921010 | 20 | 3/4" | 27,5 | 26,0 | 43,5 | 40,5 | 0,090 | • • | 10 | | |
| | 921011 | 25 | 1/2" | 29,5 | 26,5 | 38,5 | 42,5 | 0,069 | • • | 10 | | |
| | 921012 | 25 | 3/4" | 27,5 | 24,5 | 43,5 | 40,5 | 0,086 | • • | 10 | | |
| | 921013 | 32 | 3/4" | 30,5 | 25,5 | 43,5 | 43,5 | 0,092 | • • | 5 | | |
| | 921014 | 32 | 1/2" | 28,0 | 23,0 | 37,0 | 41,0 | 0,078 | • • | 5 | | |

TRANSITION PIECE WITH FEMALE THREAD

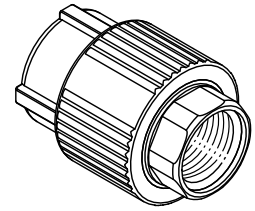
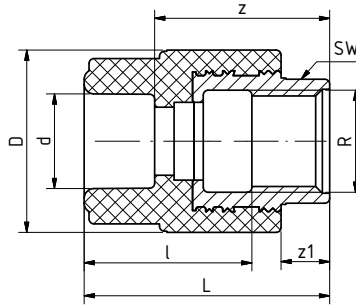
with spanner flat

Systems: [aquatherm green pipe](#),
[aquatherm blue pipe](#)

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | z1 [mm] | D [mm] | L [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|------------------------|----------|--------|--------|--------|--------|---------|--------|--------|---------|-------------|--------|----|----------|------------|
| brass | | | | | | | | | | | | | | |
| 6 7.4 9 11 | 21106 | 16 | 1/2" | 34,5 | 37,5 | 10,0 | 38,5 | 50,5 | 24 | 0,089 | • | 10 | | |
| | 21108 | 20 | 1/2" | 34,5 | 36,0 | 10,0 | 38,5 | 50,5 | 24 | 0,078 | • • | 10 | 400 | |
| | 21110 | 20 | 3/4" | 29,0 | 35,5 | 10,0 | 43,5 | 50,0 | 31 | 0,112 | • • | 10 | 300 | |
| | 21111 | 25 | 1/2" | 36,0 | 36,0 | 10,0 | 38,5 | 52,0 | 24 | 0,081 | • • | 10 | 300 | |
| | 21112 | 25 | 3/4" | 29,0 | 34,0 | 10,0 | 43,5 | 50,0 | 31 | 0,109 | • • | 10 | 300 | |
| | 21113 | 32 | 3/4" | 32,0 | 35,0 | 10,0 | 43,5 | 53,0 | 31 | 0,114 | • • | 5 | 250 | |
| | 21114 | 32 | 1" | 37,5 | 41,5 | 14,0 | 60,0 | 59,5 | 39 | 0,239 | • • | 5 | 125 | |
| | 21115 | 40 | 1" | 40,0 | 41,5 | 14,0 | 60,0 | 62,0 | 39 | 0,227 | • • | 5 | | |
| | 21116 | 40 | 1 1/4" | 40,0 | 42,5 | 15,0 | 74,0 | 63,0 | 50 | 0,385 | • • | 5 | | |
| | 21117 | 50 | 1 1/4" | 43,0 | 42,5 | 15,0 | 74,0 | 66,0 | 50 | 0,404 | • • | 5 | | |
| | 21118 | 50 | 1 1/2" | 45,0 | 43,5 | 15,0 | 84,0 | 67,0 | 55 | 0,418 | • • | 5 | | |
| | 21119 | 63 | 1 1/2" | 51,5 | 46,0 | 15,0 | 84,0 | 73,5 | 55 | 0,442 | • • | 1 | | |
| 21120 | 63 | 2" | 51,0 | 49,5 | 19,0 | 101,0 | 77,0 | 67 | 0,600 | • • | 1 | | | |
| 21122 | 75 | 2" | 51,0 | 47,0 | 19,0 | 100,0 | 77,0 | 67 | 0,608 | • • | 1 | | | |
| stainless steel | | | | | | | | | | | | | | |
| | 921114 | 32 | 1" | 37,5 | 41,5 | 14,0 | 60,0 | 59,5 | 39 | 0,232 | • • | 5 | | |
| | 921115 | 40 | 1" | 40,0 | 41,5 | 14,0 | 60,0 | 62,0 | 39 | 0,219 | • • | 5 | | |
| | 921116 | 40 | 1 1/4" | 40,0 | 42,5 | 15,0 | 74,0 | 63,0 | 50 | 0,331 | • • | 5 | | |
| | 921117 | 50 | 1 1/4" | 43,0 | 42,5 | 15,0 | 74,0 | 66,0 | 50 | 0,351 | • • | 5 | | |
| | 921118 | 50 | 1 1/2" | 45,0 | 43,5 | 15,0 | 84,0 | 67,0 | 55 | 0,445 | • • | 5 | | |
| | 921119 | 63 | 1 1/2" | 51,5 | 46,0 | 15,0 | 84,0 | 73,5 | 55 | 0,425 | • • | 1 | | |
| | 921120 | 63 | 2" | 51,0 | 49,5 | 19,0 | 101,0 | 77,0 | 67 | 0,196 | • • | 1 | | |
| | 921122 | 75 | 2" | 51,0 | 47,0 | 19,0 | 100,0 | 77,0 | 67 | 0,676 | • • | 1 | | |

TRANSITION PIECE WITH MALE THREAD

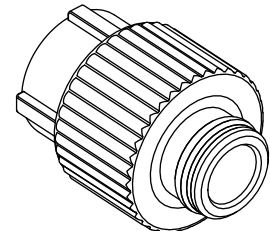
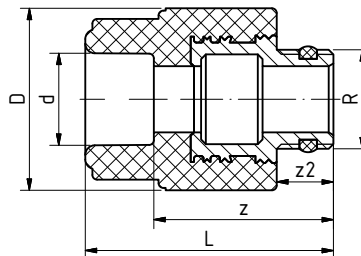
round, self sealing

Systems: [aquatherm green pipe](#), [aquatherm blue pipe](#)

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | R | L [mm] | z [mm] | z2 [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|------|--------|--------|---------|--------|-------------|--------|----|----------|------------|
| 6 | 21258 | 20 | 1/2" | 52,5 | 38,0 | 12,0 | 38,5 | 0,090 | • • | 10 | | |
| 7.4 | 21261 | 25 | 1/2" | 54,0 | 38,0 | 12,0 | 38,5 | 0,078 | • • | 10 | | |
| 11 | 21262 | 25 | 3/4" | 53,5 | 37,5 | 13,0 | 38,5 | 0,085 | • • | 10 | | |

TRANSITION PIECE WITH MALE THREAD

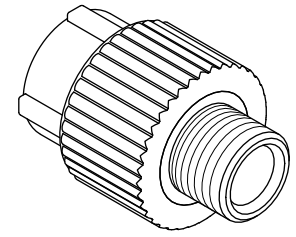
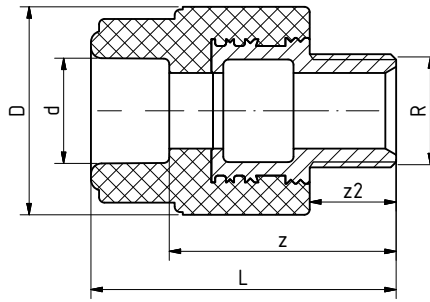
round

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | R | L [mm] | z [mm] | z2 [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc | |
|---------------------|------------------------|--------|------|--------|--------|---------|--------|-------------|--------|----|----------|------------|--|
| brass | | | | | | | | | | | | | |
| 6 7.4 9 11 | 21206 | 16 | 1/2" | 56,5 | 43,5 | 16,0 | 38,5 | 0,097 | • | 10 | | | |
| | 21208 | 20 | 1/2" | 56,5 | 42,0 | 16,0 | 38,5 | 0,084 | • • | 10 | 300 | | |
| | 21210 | 20 | 3/4" | 57,5 | 43,0 | 17,0 | 38,5 | 0,109 | • • | 10 | 300 | | |
| | 21211 | 25 | 1/2" | 58,0 | 42,0 | 16,0 | 38,5 | 0,085 | • • | 10 | 300 | | |
| | 21212 | 25 | 3/4" | 57,5 | 41,5 | 17,0 | 38,5 | 0,090 | • • | 10 | 300 | | |
| | 21213 | 32 | 3/4" | 59,5 | 41,5 | 17,0 | 38,5 | 0,095 | • • | 5 | 250 | | |
| | stainless steel | | | | | | | | | | | | |
| | 921208 | 20 | 1/2" | 56,5 | 42,0 | 16,0 | 38,5 | 0,096 | • • | 10 | | | |
| | 921210 | 20 | 3/4" | 57,5 | 43,0 | 17,0 | 38,5 | 0,108 | • • | 10 | | | |
| | 921211 | 25 | 1/2" | 58,0 | 42,0 | 16,0 | 38,5 | 0,098 | • • | 10 | | | |
| 921212 | 25 | 3/4" | 57,5 | 41,5 | 17,0 | 38,5 | 0,108 | • • | 10 | | | | |
| 921213 | 32 | 3/4" | 59,5 | 41,5 | 17,0 | 38,5 | 0,115 | • • | 5 | | | | |

TRANSITION PIECE WITH MALE THREAD

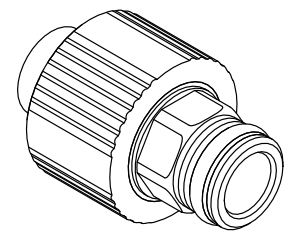
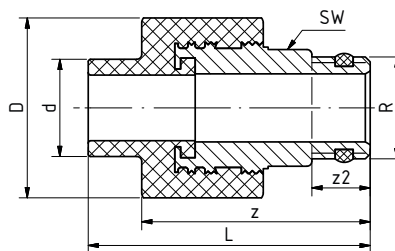
self-sealing, with hex shaped threaded transition
male/male

Systems: aquatherm green pipe, aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | R | L [mm] | z [mm] | z2 [mm] | D [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------------|----------|--------|------|--------|--------|---------|--------|---------|-------------|--------|----|----------|------------|
| 6 7.4 11 | 21355 | 20 | 1/2" | 59,0 | 48,0 | 13,0 | 38,5 | 22 | 0,107 | • • | 10 | | |

TRANSITION PIECE WITH MALE THREAD

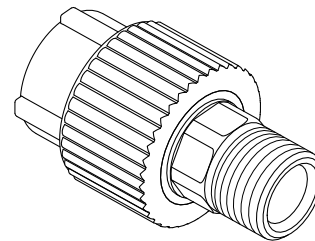
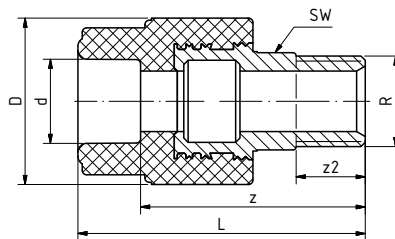
with spanner flat

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | R | SW [mm] | L [mm] | z [mm] | z2 [mm] | D [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|------------------------|----------|--------|--------|---------|--------|--------|---------|--------|-------------|--------|----|----------|------------|
| brass | | | | | | | | | | | | | |
| | 21306 | 16 | 1/2" | 22 | 66,5 | 53,5 | 16,0 | 38,5 | 0,119 | • | | 10 | |
| | 21308 | 20 | 1/2" | 22 | 66,5 | 52,0 | 16,0 | 38,5 | 0,104 | • • | | 10 | |
| | 21310 | 20 | 3/4" | 24 | 67,5 | 53,0 | 17,0 | 38,5 | 0,129 | • • | | 10 | |
| | 21311 | 25 | 1/2" | 21 | 68,0 | 52,0 | 16,0 | 38,5 | 0,107 | • • | | 10 | |
| | 21312 | 25 | 3/4" | 24 | 67,5 | 51,5 | 17,0 | 38,5 | 0,103 | • • | | 10 | 300 |
| | 21314 | 32 | 1" | 32 | 78,5 | 60,5 | 20,0 | 53,0 | 0,216 | • • | | 5 | 125 |
| | 21316 | 32 | 1 1/4" | 42 | 81,0 | 63,0 | 21,0 | 68,0 | 0,318 | • • | | 5 | 100 |
| | 21317 | 40 | 1" | 32 | 81,0 | 60,5 | 20,0 | 52,0 | 0,222 | • • | | 5 | 100 |
| | 21318 | 40 | 1 1/4" | 42 | 84,5 | 64,0 | 21,0 | 68,0 | 0,324 | • • | | 5 | 80 |
| | 21319 | 50 | 1 1/4" | 42 | 85,5 | 62,0 | 21,0 | 68,0 | 0,351 | • • | | 5 | |
| | 21320 | 50 | 1 1/2" | 46 | 88,5 | 65,0 | 22,0 | 74,0 | 0,425 | • • | | 5 | |
| | 21321 | 63 | 1 1/2" | 46 | 94,5 | 67,0 | 22,0 | 72,5 | 0,467 | • • | | 1 | |
| 6 | 21322 | 63 | 2" | 50 | 102,5 | 75,0 | 23,5 | 84,0 | 0,685 | • • | | 1 | |
| 7.4 | 21323 | 75 | 2" | 50 | 102,0 | 72,0 | 23,5 | 84,0 | 0,733 | • • | | 1 | |
| 9 | 21324 | 75 | 2 1/2" | 65 | 105,0 | 75,0 | 26,7 | 100,0 | 0,970 | • • | | 1 | |
| 11 | 21325 | 90 | 3" | 85 | 121,0 | 88,0 | 30,0 | 120,0 | 1,326 | • • | | 1 | |
| | 21327 | 110 | 4" | 105 | 148,0 | 111,0 | 39,0 | 147,0 | 2,730 | • • | | 1 | |
| stainless steel | | | | | | | | | | | | | |
| | 921314 | 32 | 1" | 32 | 78,5 | 60,5 | 20,0 | 53,0 | 0,204 | • • | | 5 | |
| | 921316 | 32 | 1 1/4" | 41 | 81,0 | 63,0 | 21,0 | 68,0 | 0,360 | • • | | 5 | |
| | 921317 | 40 | 1" | 32 | 81,0 | 60,5 | 20,0 | 52,0 | 0,251 | • • | | 5 | |
| | 921318 | 40 | 1 1/4" | 41 | 84,5 | 64,0 | 21,0 | 68,0 | 0,362 | • • | | 5 | |
| | 921319 | 50 | 1 1/4" | 41 | 85,5 | 62,0 | 21,0 | 68,0 | 0,389 | • • | | 5 | |
| | 921320 | 50 | 1 1/2" | 46 | 88,5 | 65,0 | 22,0 | 74,0 | 0,480 | • • | | 5 | |
| | 921321 | 63 | 1 1/2" | 46 | 94,5 | 67,0 | 22,0 | 72,5 | 0,523 | • • | | 1 | |
| | 921322 | 63 | 2" | 50 | 102,5 | 75,0 | 23,5 | 84,0 | 0,708 | • • | | 1 | |
| | 921323 | 75 | 2" | 50 | 102,0 | 72,0 | 23,5 | 84,0 | 0,699 | • • | | 1 | |

TRANSITION PIECE WITH MALE THREAD

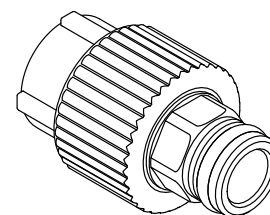
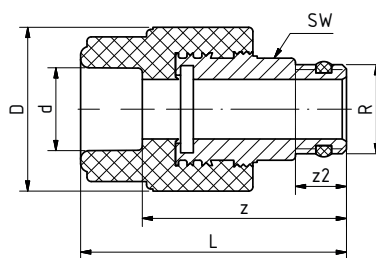
self-sealing, with hex shaped threaded transition female/male

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | R | L [mm] | z [mm] | z2 [mm] | D [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|------|--------|--------|---------|--------|---------|-------------|--------|----|----------|------------|
| 6 | 21356 | 16 | 1/2" | 63,5 | 50,5 | 13,0 | 38,5 | 22 | 0,112 | • | | 10 | |
| 7.4 | 21358 | 20 | 1/2" | 63,5 | 49,0 | 13,0 | 38,5 | 22 | 0,111 | • • | | 10 | |

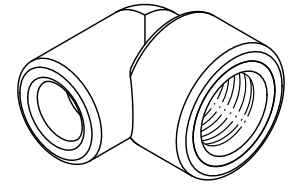
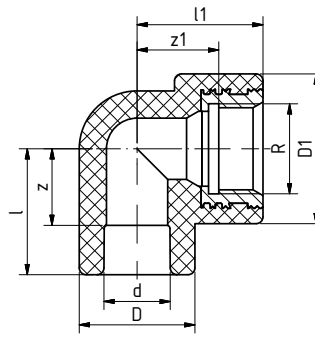
TRANSITION ELBOW WITH FEMALE THREAD

Systems: **aquatherm green pipe,**
aquatherm blue pipe

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | l1 [mm] | z1 [mm] | D1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|--------------|------------------------|--------|------|--------|--------|--------|---------|---------|---------|-------------|--------|----|----------|------------|
| brass | | | | | | | | | | | | | | |
| | 23006 | 16 | 1/2" | 31,5 | 18,5 | 29,5 | 37,0 | 24,0 | 37,0 | 0,072 | • | | 10 | |
| | 23008 | 20 | 3/4" | 37,0 | 22,5 | 34,0 | 37,0 | 24,0 | 44,0 | 0,102 | • • | | 10 | |
| | 23010 | 20 | 1/2" | 31,0 | 16,5 | 29,5 | 31,5 | 18,5 | 37,0 | 0,076 | • • | | 10 | 300 |
| | 23012 | 25 | 3/4" | 37,0 | 21,0 | 34,0 | 37,0 | 24,0 | 44,0 | 0,100 | • • | | 10 | 200 |
| | 23014 | 25 | 1/2" | 33,5 | 17,5 | 34,0 | 31,5 | 18,5 | 37,0 | 0,075 | • • | | 10 | 250 |
| | 23016 | 32 | 3/4" | 27,5 | 9,5 | 43,0 | 51,0 | 38,0 | 44,0 | 0,104 | • • | | 5 | |
| 6 | 23018 | 32 | 1" | 34,0 | 16,0 | 43,0 | 66,5 | 44,5 | 60,5 | 0,249 | • • | | 5 | |
| 7.4 | stainless steel | | | | | | | | | | | | | |
| 9 | 923008 | 20 | 3/4" | 37,0 | 22,5 | 29,5 | 37,0 | 24,0 | 37,0 | 0,095 | • • | | 10 | |
| 11 | 923010 | 20 | 1/2" | 31,0 | 16,5 | 29,5 | 31,5 | 18,5 | 37,0 | 0,081 | • • | | 10 | |
| | 923012 | 25 | 3/4" | 37,0 | 21,0 | 34,0 | 37,0 | 24,0 | 44,0 | 0,101 | • • | | 10 | |
| | 923014 | 25 | 1/2" | 33,5 | 17,5 | 34,0 | 31,5 | 18,5 | 37,0 | 0,082 | • • | | 10 | |
| | 923015 | 32 | 1/2" | 35,0 | 17,0 | 43,0 | 37,0 | 24,0 | 37,0 | 0,112 | • • | | 5 | |
| | 923016 | 32 | 3/4" | 27,5 | 9,5 | 43,0 | 51,0 | 38,0 | 44,0 | 0,097 | • • | | 5 | |
| | 923018 | 32 | 1" | 34,0 | 16,0 | 43,0 | 66,5 | 44,5 | 60,5 | 0,240 | • • | | 5 | |

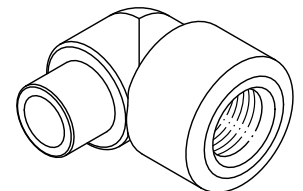
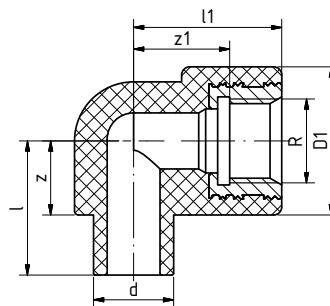
TRANSITION ELBOW WITH FEMALE THREAD

Systems: **aquatherm green pipe,**
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | l1 [mm] | z1 [mm] | D1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|------|--------|--------|--------|---------|---------|---------|-------------|--------|----|----------|------------|
| 6 | | | | | | | | | | | | | | |
| 7.4 | 23208 | 20 | 1/2" | 33,5 | 18,5 | 37,0 | 37,0 | 24,0 | 37,0 | 0,076 | • • | | 10 | |
| 11 | | | | | | | | | | | | | | |

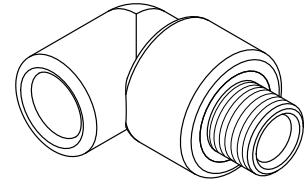
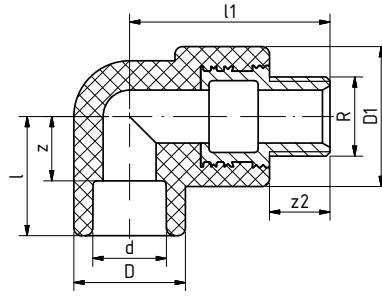
TRANSITION ELBOW WITH MALE THREAD

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | R | l [mm] | l1 [mm] | z [mm] | z2 [mm] | D [mm] | D1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc | |
|---------------------|------------------------|--------|------|--------|---------|--------|---------|--------|---------|-------------|--------|----|----------|------------|--|
| brass | | | | | | | | | | | | | | | |
| 6 7.4 9 11 | 23504 | 16 | 1/2" | 31,5 | 53,0 | 18,5 | 16,0 | 29,5 | 37,0 | 0,109 | • | | 10 | | |
| | 23506 | 20 | 1/2" | 31,5 | 53,0 | 17,0 | 16,0 | 29,5 | 37,0 | 0,108 | • | • | 10 | | |
| | 23508 | 20 | 3/4" | 31,5 | 54,0 | 17,0 | 17,0 | 34,0 | 38,0 | 0,128 | • | • | 10 | | |
| | 23510 | 25 | 3/4" | 31,5 | 54,0 | 15,5 | 17,0 | 34,0 | 38,0 | 0,104 | • | • | 10 | | |
| | 23512 | 32 | 3/4" | 27,5 | 68,0 | 9,5 | 17,0 | 43,0 | 38,0 | 0,112 | • | • | 5 | | |
| | 23514 | 32 | 1" | 31,0 | 85,5 | 13,0 | 20,0 | 43,0 | 52,0 | 0,231 | • | • | 5 | | |
| | stainless steel | | | | | | | | | | | | | | |
| | 923506 | 20 | 1/2" | 31,5 | 53,0 | 17,0 | 16,0 | 29,5 | 37,0 | 0,035 | • | • | 10 | | |
| | 923508 | 20 | 3/4" | 31,5 | 54,0 | 17,0 | 17,0 | 34,0 | 38,0 | 0,123 | • | • | 10 | | |
| | 923510 | 25 | 3/4" | 31,5 | 54,0 | 15,5 | 17,0 | 34,0 | 38,0 | 0,121 | • | • | 10 | | |
| | 923512 | 32 | 3/4" | 27,5 | 68,0 | 9,5 | 17,0 | 43,0 | 38,0 | 0,128 | • | • | 5 | | |

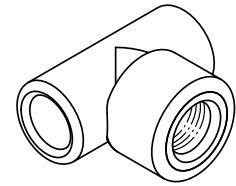
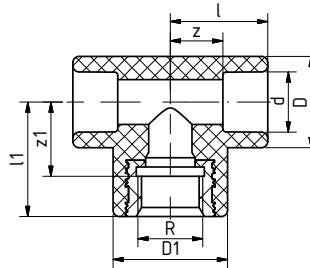
THREADED BRANCH TEE WITH FEMALE THREAD

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass
fusiolen® PP-R, stainless steel

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

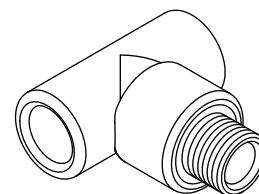
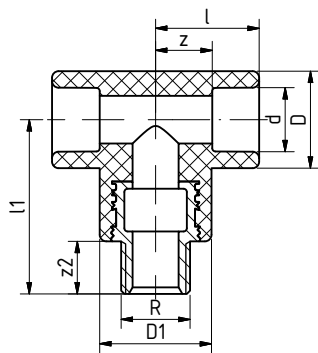


| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | l1 [mm] | z1 [mm] | D1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|------------------------|----------|--------|------|--------|--------|--------|---------|---------|---------|-------------|--------|----|----------|------------|
| brass | | | | | | | | | | | | | | |
| 6 7.4 9 11 | 25004 | 16 | 1/2" | 31,5 | 18,5 | 29,5 | 37,0 | 24,0 | 37,0 | 0,089 | • | | 10 | |
| | 25006 | 20 | 1/2" | 31,5 | 17,0 | 29,5 | 37,0 | 24,0 | 37,0 | 0,086 | • | • | 10 | 200 |
| | 25008 | 20 | 3/4" | 37,0 | 22,5 | 34,0 | 37,0 | 24,0 | 44,0 | 0,121 | • | • | 10 | 170 |
| | 25010 | 25 | 1/2" | 34,0 | 18,0 | 34,0 | 38,0 | 25,0 | 37,0 | 0,090 | • | • | 10 | 150 |
| | 25012 | 25 | 3/4" | 37,0 | 21,0 | 34,0 | 37,0 | 24,0 | 44,0 | 0,109 | • | • | 10 | 150 |
| | 25013 | 32 | 1/2" | 35,0 | 17,0 | 43,0 | 37,0 | 24,0 | 37,0 | 0,103 | • | • | 5 | |
| | 25014 | 32 | 3/4" | 27,5 | 9,5 | 43,0 | 51,0 | 38,0 | 44,0 | 0,111 | • | • | 5 | |
| | 25016 | 32 | 1" | 31,5 | 13,5 | 43,0 | 67,0 | 45,0 | 60,0 | 0,255 | • | • | 5 | |
| | 25018 | 40 | 1/2" | 42,0 | 21,5 | 52,0 | 40,0 | 27,0 | 37,0 | 0,142 | • | • | 5 | |
| | 25019 | 40 | 3/4" | 40,5 | 20,0 | 52,0 | 40,5 | 27,5 | 52,0 | 0,147 | • | • | 5 | |
| | 25020 | 40 | 1" | 41,5 | 21,0 | 52,0 | 56,0 | 34,0 | 60,0 | 0,276 | • | • | 5 | |
| | 25022 | 50 | 1" | 49,5 | 26,0 | 68,0 | 63,5 | 41,5 | 60,0 | 0,385 | • | • | 5 | |
| | 25030 | 50 | 1/2" | 49,5 | 26,0 | 68,0 | 44,5 | 31,5 | 43,0 | 0,237 | • | • | 5 | |
| | 25031 | 50 | 3/4" | 49,5 | 26,0 | 68,0 | 44,5 | 31,5 | 43,0 | 0,243 | • | • | 5 | |
| stainless steel | | | | | | | | | | | | | | |
| 925006 | 20 | 1/2" | 31,5 | 17,0 | 29,5 | 37,0 | 24,0 | 37,0 | 0,087 | • | • | 10 | | |
| 925008 | 20 | 3/4" | 37,0 | 22,5 | 34,0 | 37,0 | 24,0 | 44,0 | 0,108 | • | • | 10 | | |
| 925010 | 25 | 1/2" | 34,5 | 18,5 | 34,0 | 38,0 | 25,0 | 37,0 | 0,093 | • | • | 10 | | |
| 925012 | 25 | 3/4" | 37,0 | 21,0 | 34,0 | 37,0 | 24,0 | 44,0 | 0,111 | • | • | 10 | | |
| 925013 | 32 | 1/2" | 35,0 | 17,0 | 43,0 | 37,0 | 24,0 | 37,0 | 0,113 | • | • | 5 | | |
| 925014 | 32 | 3/4" | 27,5 | 9,5 | 43,0 | 51,0 | 38,0 | 44,0 | 0,111 | • | • | 5 | | |
| 925016 | 32 | 1" | 31,5 | 13,5 | 43,0 | 67,0 | 45,0 | 60,0 | 0,082 | • | • | 5 | | |

NOTICE: aquatherm green pipe metal compound fittings are manufactured from fusiolen® PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel.

THREADED BRANCH TEE WITH MALE THREAD

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

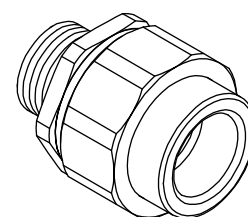
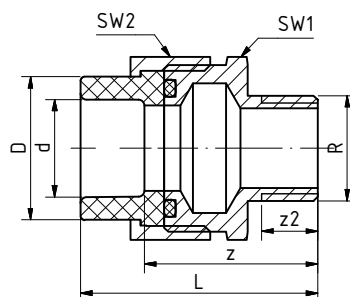


| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | z2 [mm] | D1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|------|--------|--------|--------|---------|---------|-------------|--------|----|----------|------------|
| 6 | | | | | | | | | | | | | |
| 7.4 | 25506 | 20 | 1/2" | 31,5 | 17,0 | 29,5 | 16,0 | 37,0 | 0,102 | • • | 10 | | |
| 11 | | | | | | | | | | | | | |

TRANSITION COUPLING WITH MALE THREAD

with union nut and welding socket

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

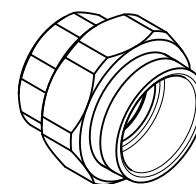
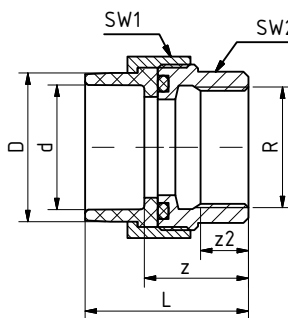


| SDR | Art. no. | d [mm] | R | L [mm] | z [mm] | z2 [mm] | D [mm] | SW1 [mm] | SW2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|--------|--------|--------|---------|--------|----------|----------|-------------|--------|----|----------|------------|
| 6 | 26608 | 20 | 1/2" | 52,5 | 38,0 | 13,5 | 27,5 | 34 | 36 | 0,145 | • • | 1 | | |
| 7.4 | 26610 | 25 | 3/4" | 59,5 | 43,5 | 14,5 | 36,0 | 42 | 46 | 0,243 | • • | 1 | | |
| 9 | 26612 | 32 | 1" | 64,5 | 46,5 | 16,8 | 41,5 | 48 | 52 | 0,336 | • • | 1 | | |
| 11 | 26614 | 40 | 1 1/4" | 70,0 | 49,5 | 19,1 | 53,0 | 60 | 64 | 0,517 | • • | 1 | | |
| | 26616 | 50 | 1 1/2" | 84,8 | 61,3 | 22,0 | 59,0 | 48 | 72 | 0,624 | • • | 1 | | |
| | 26618 | 63 | 2" | 95,5 | 68,0 | 25,0 | 74,0 | 62 | 89 | 1,045 | • • | 1 | | |

TRANSITION COUPLING WITH FEMALE THREAD

with union nut and welding socket

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



| SDR | Art. no. | d [mm] | R | z [mm] | z2 [mm] | D [mm] | L [mm] | SW1 [mm] | SW2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|--------|--------|---------|--------|--------|----------|----------|-------------|--------|----|----------|------------|
| 6 | 26638 | 20 | 1/2" | 30,5 | 15,0 | 27,5 | 45,0 | 36 | 24 | 0,112 | • • | 1 | | |
| 7.4 | 26640 | 25 | 3/4" | 33,0 | 15,5 | 36,0 | 49,0 | 46 | 32 | 0,193 | • • | 1 | | |
| 9 | 26642 | 32 | 1" | 36,0 | 15,0 | 41,5 | 54,0 | 52 | 40 | 0,291 | • • | 1 | | |
| 11 | 26644 | 40 | 1 1/4" | 36,0 | 20,0 | 53,0 | 56,5 | 64 | 47 | 0,423 | • • | 1 | | |
| | 26646 | 50 | 1 1/2" | 41,3 | 19,0 | 59,0 | 64,8 | 72 | 57 | 0,610 | • • | 1 | | |
| | 26648 | 63 | 2" | 47,0 | 18,0 | 74,0 | 74,5 | 89 | 68 | 0,924 | • • | 1 | | |

Notice: aquatherm green pipe metal compound fittings are manufactured from fusiolen® PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel.

LOOSE NUT ADAPTER

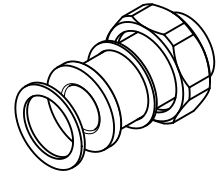
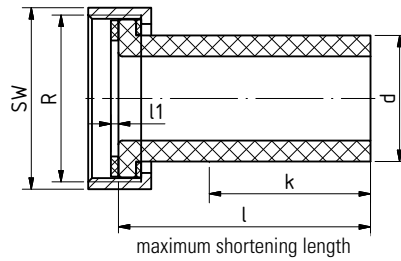
length: 100 mm, with gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | Nut R | l [mm] | l1 [mm] | k [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|--------|--------|--------|---------|--------|---------|-------------|--------|----|----------|------------|
| 6 7.4 9 11 | 26708 | 20 | 1" | 100,0 | 3,0 | 65,0 | 36 | 0,079 | • • | 1 | | |
| | 26710 | 25 | 1 1/4" | 100,0 | 3,0 | 62,0 | 46 | 0,104 | • • | 1 | | |
| | 26712 | 32 | 1 1/2" | 100,0 | 3,0 | 58,0 | 52 | 0,175 | • • | 1 | | |
| | 26714 | 40 | 2" | 100,0 | 3,0 | 53,0 | 64 | 0,258 | • • | 1 | | |
| | 26716 | 50 | 2 1/4" | 100,0 | 3,0 | 49,0 | 72 | 0,344 | • • | 1 | | |
| | 26718 | 63 | 2 3/4" | 100,0 | 3,0 | 43,0 | 89 | 0,583 | • • | 1 | | |
| | 26720 | 75 | 3 1/2" | 100,0 | 3,0 | 34,0 | 110 | 0,918 | • • | 1 | | |
| | 26722 | 90 | 4" | 100,0 | 3,0 | 26,0 | 120 | 1,238 | • • | 1 | | |

WATER METER NUT ADAPTER

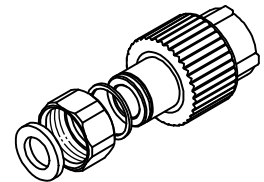
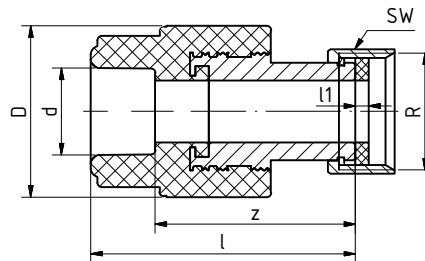
with gasket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | l [mm] | l1 [mm] | z [mm] | D [mm] | R | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|----------|--------|--------|---------|--------|--------|------|---------|-------------|--------|----|----------|------------|
| 6 | 26808 | 20 | 59,5 | 3,0 | 45,0 | 38,5 | 3/4" | 30 | 0,136 | • • | 1 | | |
| 7,4 9 | 26810 | 25 | 61,0 | 3,0 | 45,0 | 38,5 | 3/4" | 30 | 0,155 | • • | 1 | | |
| 11 | 26812 | 32 | 62,0 | 3,0 | 44,0 | 43,5 | 3/4" | 30 | 0,162 | • • | 1 | | |

NUT ADAPTER

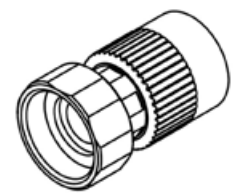
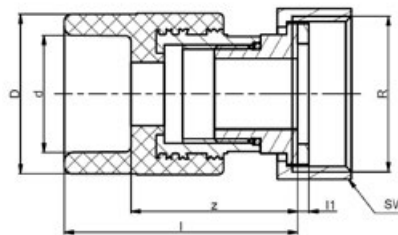
ISO-standard

Systems: aquatherm green pipe, aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | Nut R | l [mm] | l1 [mm] | z [mm] | D [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|--------|--------|--------|---------|--------|--------|---------|-------------|--------|----|----------|------------|
| 6 7.4 9 11 | 27010 | 20 | 1" | 58,5 | 3,0 | 34,0 | 38,5 | 36 | 0,182 | • • | 10 | | |
| | 27011 | 25 | 1" | 60,0 | 3,0 | 44,0 | 38,5 | 36 | 0,186 | • • | 10 | | |
| | 27012 | 25 | 1 1/4" | 60,0 | 3,0 | 44,0 | 43,5 | 46 | 0,274 | • • | 10 | | |
| | 27013 | 32 | 1 1/4" | 63,0 | 3,0 | 45,0 | 43,5 | 46 | 0,279 | • • | 5 | | |
| | 27014 | 32 | 1 1/2" | 69,5 | 3,0 | 51,5 | 60,0 | 52 | 0,446 | • • | 5 | | |
| | 27015 | 40 | 1 1/2" | 72,0 | 3,0 | 51,5 | 60,0 | 52 | 0,421 | • • | 5 | | |
| | 27016 | 40 | 2" | 72,0 | 3,0 | 51,5 | 74,0 | 64 | 0,719 | • • | 5 | | |
| | 27017 | 50 | 2" | 75,0 | 3,0 | 51,5 | 74,0 | 64 | 0,736 | • • | 5 | | |
| | 27018 | 50 | 2 1/4" | 77,0 | 3,0 | 53,5 | 84,0 | 72 | 0,831 | • • | 5 | | |
| | 27019 | 63 | 2 1/4" | 83,5 | 3,0 | 56,0 | 84,0 | 72 | 0,889 | • • | 1 | | |
| | 27020 | 63 | 2 3/4" | 82,5 | 3,0 | 55,0 | 101,0 | 89 | 1,306 | • • | 1 | | |
| | 27021 | 75 | 2 3/4" | 85,0 | 3,0 | 55,0 | 100,0 | 89 | 1,275 | • • | 1 | | |
| | 27022 | 75 | 3 1/2" | 91,0 | 3,0 | 61,0 | 100,0 | 110 | 1,818 | • • | 1 | | |

COUNTERPART

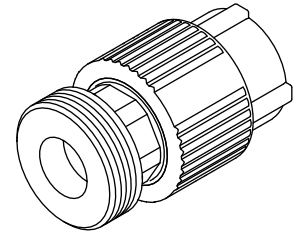
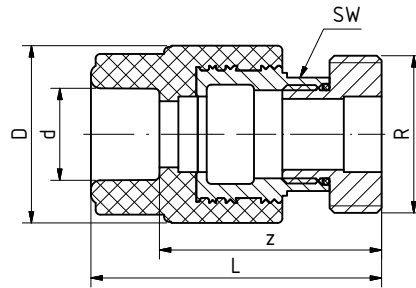
with welding socket and male thread for ISO-standard adapter

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



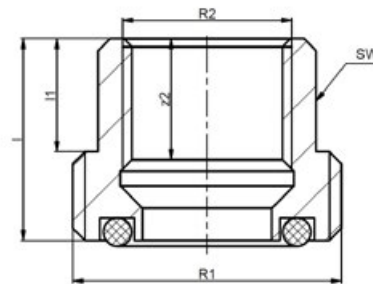
| SDR | Art. no. | d [mm] | Thread R | L [mm] | z [mm] | D [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|--------|----------|--------|--------|--------|---------|-------------|--------|----|----------|------------|
| 6 7.4 9 11 | 27310 | 20 | 1" | 61,5 | 47,0 | 37,5 | 24 | 0,151 | • • | 10 | | |
| | 27311 | 25 | 1" | 63,0 | 47,0 | 37,5 | 24 | 0,153 | • • | 10 | | |
| | 27312 | 25 | 1 1/4" | 63,0 | 47,0 | 43,5 | 31 | 0,221 | • • | 10 | | |
| | 27313 | 32 | 1 1/4" | 66,0 | 48,0 | 43,5 | 31 | 0,226 | • • | 5 | | |
| | 27314 | 32 | 1 1/2" | 76,5 | 58,5 | 60,0 | 39 | 0,408 | • • | 5 | | |
| | 27315 | 40 | 1 1/2" | 79,0 | 58,5 | 60,0 | 39 | 0,414 | • • | 5 | | |
| | 27316 | 40 | 2" | 79,0 | 58,5 | 74,0 | 50 | 0,650 | • • | 5 | | |
| | 27317 | 50 | 2" | 82,0 | 58,5 | 74,0 | 50 | 0,634 | • • | 5 | | |
| | 27318 | 50 | 2 1/4" | 83,0 | 59,5 | 84,0 | 55 | 0,750 | • • | 5 | | |
| | 27319 | 63 | 2 1/4" | 89,5 | 62,0 | 84,0 | 55 | 0,728 | • • | 1 | | |
| | 27320 | 63 | 2 3/4" | 95,0 | 65,5 | 101,0 | 67 | 1,093 | • • | 1 | | |
| | 27321 | 75 | 2 3/4" | 95,0 | 65,0 | 100,0 | 67 | 1,117 | • • | 1 | | |
| 27322 | 75 | 3 1/2" | 100,0 | 70,0 | 100,0 | 67 | 1,436 | • • | 1 | | | |

BRASS COUNTERPART

with female thread, for ISO-standard adapter/loose nut adapter

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: brass



| SDR | Art. no. | Male thread R1 | Female thread R2 | L [mm] | l1 [mm] | z2 [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|----------------|------------------|--------|---------|---------|---------|-------------|--------|----|----------|------------|
| 6 7.4 9 11 | 27510 | 1" | 1/2" | 25,0 | 14,0 | 15,0 | 25 | 0,063 | • • | 10 | | |
| | 27512 | 1 1/4" | 3/4" | 26,0 | 12,5 | 14,0 | 32 | 0,119 | • • | 10 | | |
| | 27514 | 1 1/2" | 1" | 31,0 | 15,0 | 17,0 | 40 | 0,175 | • • | 5 | | |
| | 27516 | 2" | 1 1/4" | 33,0 | 17,0 | 22,0 | 47 | 0,263 | • • | 5 | | |
| | 27518 | 2 1/4" | 1 1/2" | 36,0 | 20,0 | 19,0 | 57 | 0,333 | • • | 5 | | |
| | 27520 | 2 3/4" | 2" | 42,0 | 24,0 | 24,0 | 68 | 0,517 | • • | 1 | | |
| | 27522 | 3 1/2" | 2 1/2" | 46,0 | 24,0 | 27,0 | 84 | 0,801 | • • | 1 | | |
| | 27524 | 4" | 3" | 46,0 | 27,0 | 27,0 | 97 | 0,943 | • • | 1 | | |

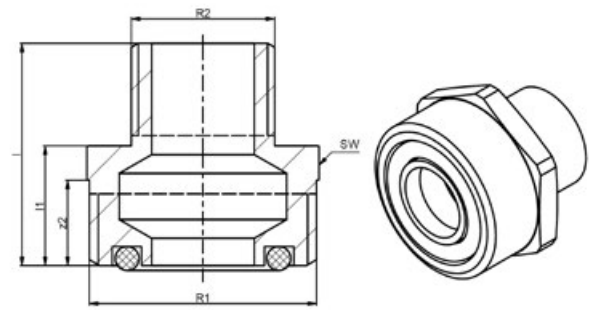
Notice: aquatherm green pipe metal compound fittings are manufactured from fusiolen® PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel.

BRASS COUNTERPART

with male thread, for ISO-standard adapter/loose nut adapter

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: brass



| SDR | Art. no. | Thread R1 | Thread R2 | L [mm] | l1 [mm] | z2 [mm] | SW [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|-----------|-----------|--------|---------|---------|---------|-------------|--------|----|----------|------------|
| 6 7.4 9 11 | 27710 | 1" | 1/2" | 32,5 | 17,5 | 10,5 | 34 | 0,109 | • • | 10 | | |
| | 27712 | 1 1/4" | 3/4" | 38,5 | 21,0 | 12,5 | 42 | 0,188 | • • | 10 | | |
| | 27714 | 1 1/2" | 1" | 41,5 | 22,5 | 13,5 | 48 | 0,211 | • • | 5 | | |
| | 27716 | 2" | 1 1/4" | 44,5 | 22,5 | 13,0 | 60 | 0,363 | • • | 5 | | |
| | 27718 | 2 1/4" | 1 1/2" | 56,0 | 34,0 | 16,0 | 48 | 0,472 | • • | 5 | | |
| | 27720 | 2 3/4" | 2" | 63,0 | 38,0 | 16,0 | 62 | 0,803 | • • | 1 | | |
| | 27722 | 3 1/2" | 2 1/2" | 70,0 | 42,0 | 22,0 | 82 | 1,189 | • • | 1 | | |
| | 27724 | 4" | 3" | 74,0 | 42,0 | 22,0 | 97 | 1,398 | • • | 1 | | |

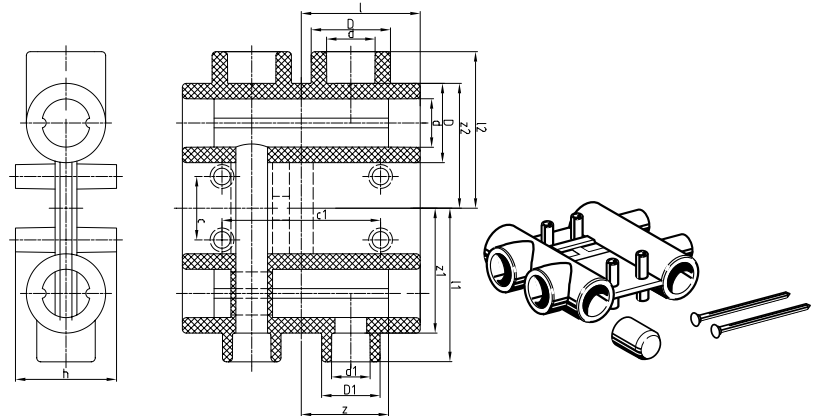
DISTRIBUTION BLOCK PLUMBING

including 1 plug and 2 fastenings

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Colour: green



| SDR | Art. no. | d [mm] | l [mm] | z [mm] | D [mm] | d1 [mm] | l1 [mm] | z1 [mm] | D1 [mm] | l2 [mm] | z2 [mm] | c [mm] | c1 [mm] | cl [mm] | l3 [mm] | h [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------------|----------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|--------|-------------|--------|----|----------|------------|
| 6 7.4 11 | 30115 | 25 | 60 | 44 | 40 | 20 | 77,5 | 63 | 29,5 | 79 | 63 | 32 | 80 | 100 | 36 | 51 | 0,273 | • • | 1 | | |

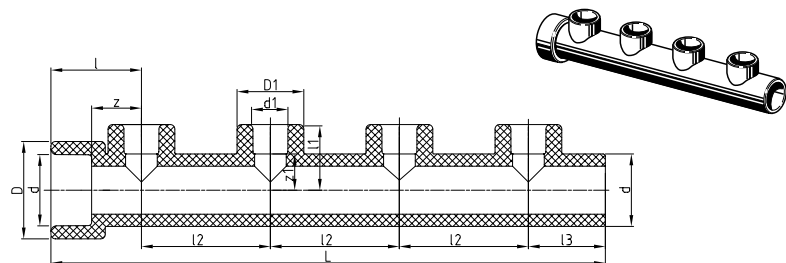
FOUR-PORT MANIFOLD

length: 246 mm, with 4 branches

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Colour: green



| SDR | Art. no. | d [mm] | d1 [mm] | l [mm] | z [mm] | D [mm] | l1 [mm] | z1 [mm] | D1 [mm] | l2 [mm] | l3 [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|----------|--------|---------|--------|--------|--------|---------|---------|---------|---------|---------|--------|-------------|--------|----|----------|------------|
| 6 7.4 | 30602 | 32 | 16 | 40 | 22 | 43 | 29 | 16 | 29,5 | 57 | 36 | 245 | 0,148 | • | 1 | | |
| 9 11 | 30604 | 32 | 20 | 40 | 22 | 43 | 29 | 14,5 | 29,5 | 57 | 36 | 245 | 0,134 | • • | 1 | | |

The four-port manifold can be shortened or extended by fusion with further four-port manifolds, if required.

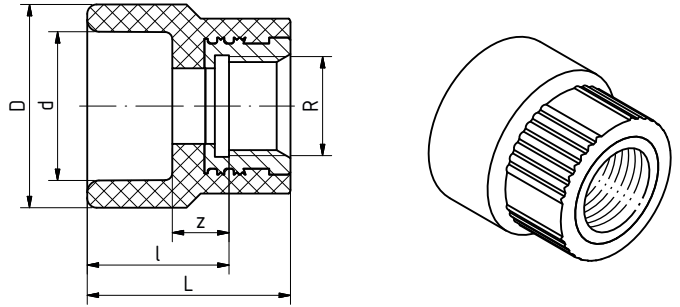
MANIFOLD END PIECE WITH FEMALE THREAD*

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|------|--------|--------|--------|--------|-------------|--------|----|----------|------------|
| 6 | 30804 | 32 | 1/2" | 30,0 | 12,0 | 43,0 | 43,0 | 0,073 | • • | 1 | | |
| 7.4 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |

* transition piece as manifold endpiece with female thread

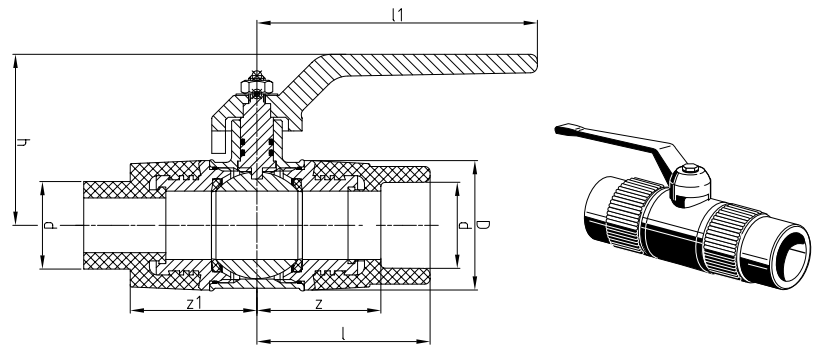
BALL VALVE FOR MANIFOLD

female/male

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Colour: green



| SDR | Art. no. | d [mm] | l [mm] | z [mm] | D [mm] | z1 [mm] | h [mm] | l1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|--------|--------|--------|---------|--------|---------|-------------|--------|----|----------|------------|
| 6 | 78000 | 32 | 63,0 | 45,0 | 47,5 | 46,5 | 78,0 | 108,0 | 0,575 | • • | 2 | | |
| 7.4 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |

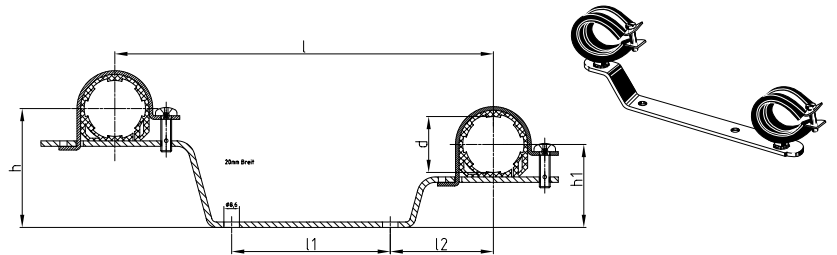
SUPPORTING STRAP FOR FOUR-PORT MANIFOLD

with clamps, galvanized, double

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: steel/galvanized

Colour: zinc



| Art. no. | d [mm] | l [mm] | l1 [mm] | l2 [mm] | h [mm] | h1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|--------|--------|---------|---------|--------|---------|-------------|--------|----|----------|------------|
| 60210 | 32 | 210,0 | 80,0 | 57,0 | 66,0 | 46,0 | 0,226 | • • | 2 | | |

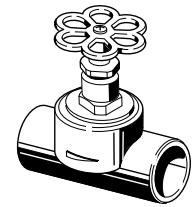
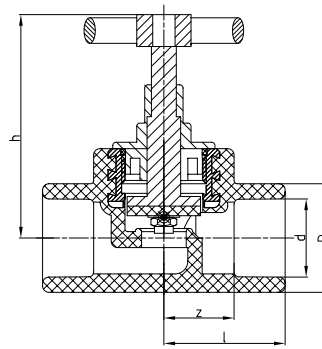
GLOBE VALVE

for surface installation

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Colour: green



| SDR | Art. no. | d [mm] | l [mm] | z [mm] | D [mm] | h [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|--------|--------|--------|--------|-------------|--------|----|----------|------------|
| 6 | 40808 | 20 | 35,0 | 20,5 | 29,5 | 75,3 | 0,165 | • • | 1 | 100 | |
| 7.4 | 40810 | 25 | 38,0 | 22,0 | 34,0 | 75,0 | 0,172 | • • | 1 | 100 | |
| 9 | 40812 | 32 | 49,0 | 31,0 | 43,0 | 97,0 | 0,314 | • • | 1 | 60 | |
| 11 | 40814 | 40 | 60,0 | 39,5 | 52,0 | 111,5 | 0,585 | • • | 1 | | |

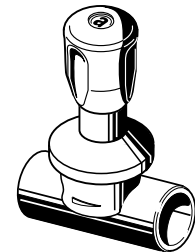
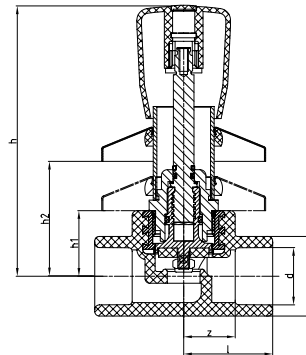
CONCEALED VALVE

chromium plated

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Colour: green



| SDR | Art. no. | d [mm] | l [mm] | z [mm] | D [mm] | h [mm] | h1 [mm] | h2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|--------|--------|--------|--------|---------|---------|-------------|--------|----|----------|------------|
| 6 | 40858 | 20 | 35,0 | 20,5 | 29,5 | 116,0 | 28,0 | 59,0 | 0,319 | • • | 1 | | |
| 7.4 | 40860 | 25 | 38,0 | 22,0 | 34,0 | 116,0 | 28,0 | 59,0 | 0,330 | • • | 1 | | |
| 9 | 40862 | 32 | 49,0 | 31,0 | 43,0 | 121,0 | 34,0 | 59,0 | 0,416 | • • | 1 | | |

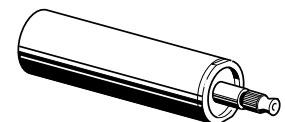
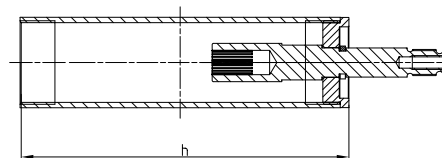
EXTENSION FOR CONCEALED VALVE

chromium-plated for Art. no. 40858 – 40862

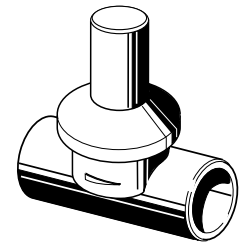
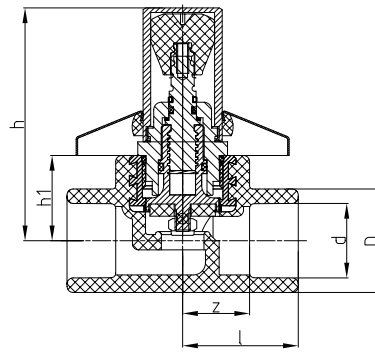
Systems: aquatherm green pipe,
aquatherm blue pipe

Material: brass

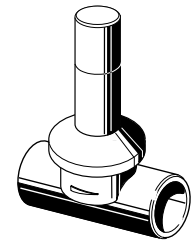
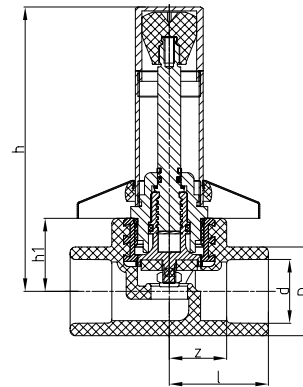
Colour: chrom



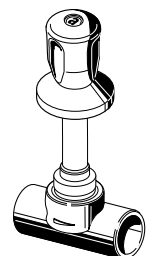
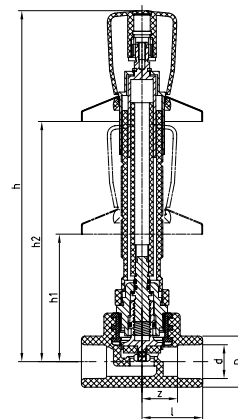
| Art. no. | h [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|--------|-------------|--------|----|----------|------------|
| 40900 | 92,0 | 0,148 | • • | 1 | | |
| 40902 | 132,0 | 0,209 | • • | 1 | | |

CONCEALED VALVE*tamper proof/chromium-plated/short design***Systems:** aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R, brass**Colour:** green, chrom

| SDR | Art. no. | d [mm] | l [mm] | z [mm] | D [mm] | h [mm] | h1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|--------|--------|--------|--------|---------|-------------|--------|----|----------|------------|
| 6 | 40868 | 20 | 35,0 | 20,5 | 29,5 | 71,5 | 28,0 | 0,258 | • • | 1 | 50 | |
| 7.4 | 40870 | 25 | 38,0 | 22,0 | 34,0 | 72,0 | 28,0 | 0,288 | • • | 1 | | |
| 9 | | | | | | | | | | | | |
| 11 | 40872 | 32 | 49,0 | 31,0 | 43,0 | 82,5 | 34,0 | 0,376 | • • | 1 | | |

CONCEALED VALVE*tamper proof, chromium-plated, long design***Systems:** aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R, brass**Colour:** green, chrom

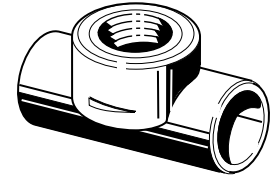
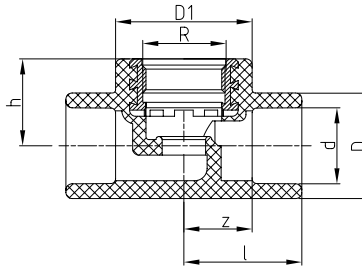
| SDR | Art. no. | d [mm] | l [mm] | z [mm] | D [mm] | h [mm] | h1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|--------|--------|--------|--------|---------|-------------|--------|----|----------|------------|
| 6 | 40888 | 20 | 35,0 | 20,5 | 29,5 | 109,0 | 28,0 | 0,342 | • • | 1 | | |
| 7.4 | 40890 | 25 | 38,0 | 22,0 | 34,0 | 109,0 | 28,0 | 0,350 | • • | 1 | | |
| 9 | | | | | | | | | | | | |
| 11 | 40892 | 32 | 49,0 | 31,0 | 43,0 | 115,0 | 34,0 | 0,432 | • • | 1 | | |

CONCEALED VALVE*suitable for construction depth of 55 mm to 100 mm***Systems:** aquatherm green pipe,
aquatherm blue pipe**Material:** fusiolen® PP-R, brass**Colour:** green, chrom

| SDR | Art. no. | d [mm] | l [mm] | z [mm] | D [mm] | h [mm] | h1 [mm] | h2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|--------|--------|--------|--------|---------|---------|-------------|--------|----|----------|------------|
| 6 | 40878 | 20 | 35,0 | 20,5 | 29,5 | 213,0 | 59,0 | 147,0 | 0,357 | • • | 1 | | |
| 7.4 | 40880 | 25 | 38,0 | 22,0 | 34,0 | 213,0 | 59,0 | 147,0 | 0,369 | • • | 1 | | |
| 9 | | | | | | | | | | | | | |
| 11 | 40882 | 32 | 49,0 | 31,0 | 43,0 | 219,0 | 65,0 | 153,0 | 0,455 | • • | 1 | | |

STOP VALVE BODY

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
Colour: green

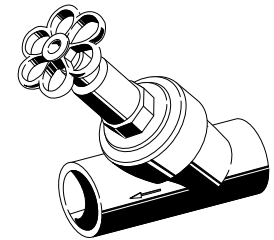
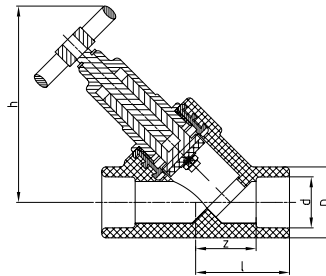


| SDR | Art. no. | d [mm] | R | l [mm] | z [mm] | D [mm] | h [mm] | D1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|--------|--------|--------|--------|--------|---------|-------------|--------|----|----------|------------|
| 6 | 40908 | 20 | 3/4" | 35,0 | 20,0 | 29,5 | 28,0 | 44,0 | 0,082 | • • | 1 | | |
| 7.4 | 40910 | 25 | 3/4" | 38,0 | 22,0 | 34,0 | 28,0 | 44,0 | 0,101 | • • | 1 | | |
| 9 | 40912 | 32 | 1" | 49,0 | 31,0 | 43,0 | 34,0 | 52,0 | 0,146 | • • | 1 | | |
| 11 | 40914 | 40 | 1 1/4" | 60,0 | 39,5 | 52,0 | 41,0 | 69,0 | 0,313 | • • | 1 | | |

INCLINED VALVE

without drain

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
Colour: green

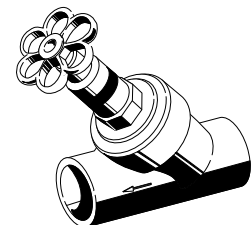
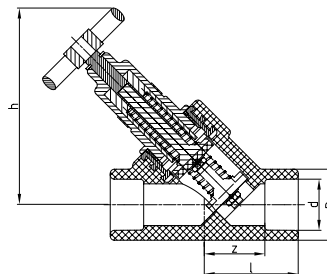


| SDR | Art. no. | d [mm] | l [mm] | z [mm] | D [mm] | h [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|--------|--------|--------|--------|-------------|--------|----|----------|------------|
| 6 | 41108 | 20 | 45,0 | 30,5 | 34,0 | 95,5 | 0,294 | • • | 1 | | |
| 7.4 | 41110 | 25 | 45,0 | 29,0 | 34,0 | 95,5 | 0,283 | • • | 1 | | |
| 9 | 41112 | 32 | 56,0 | 38,0 | 43,0 | 111,5 | 0,421 | • • | 1 | | |
| 11 | 41114 | 40 | 65,0 | 44,5 | 52,0 | 135,0 | 0,834 | • • | 1 | | |

NON-RETURN VALVE

without drain

Systems: aquatherm green pipe,
aquatherm blue pipe
Material: fusiolen® PP-R, brass
Colour: green



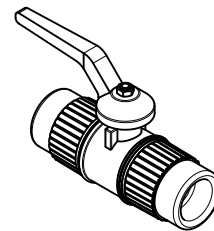
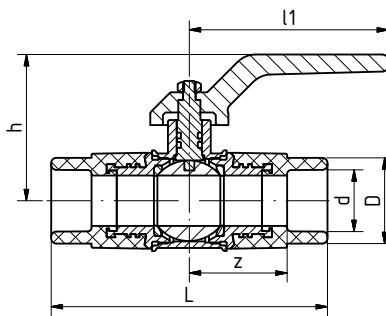
| SDR | Art. no. | d [mm] | l [mm] | z [mm] | D [mm] | h [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|----------|--------|--------|--------|--------|--------|-------------|--------|----|----------|------------|
| 6 | 41208 | 20 | 45,0 | 30,5 | 34,0 | 95,5 | 0,297 | • • | 1 | | |
| 7.4 | 41210 | 25 | 45,0 | 29,0 | 34,0 | 95,5 | 0,292 | • • | 1 | | |
| 9 | 41212 | 32 | 56,0 | 38,0 | 43,0 | 111,5 | 0,432 | • • | 1 | | |
| 11 | 41214 | 40 | 65,0 | 44,5 | 52,0 | 135,0 | 0,840 | • • | 1 | | |

BALL VALVE PP/BRASS

Systems: aquatherm green pipe, aquatherm blue pipe

Material: fusiolen® PP-R, brass

Colour: green



| SDR | Art. no. | d [mm] | L [mm] | z [mm] | D [mm] | h [mm] | l1 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|--------|--------|--------|--------|--------|---------|-------------|--------|----|----------|------------|
| 6 7.4 9 11 | 41308 | 20 | 110,00 | 40,50 | 29,50 | 56,00 | 79,00 | 0,280 | • • | 1 | | |
| | 41310 | 25 | 110,00 | 39,00 | 34,00 | 58,00 | 79,00 | 0,375 | • • | 1 | | |
| | 41312 | 32 | 127,00 | 45,50 | 43,00 | 66,00 | 103,00 | 0,592 | • • | 1 | | |
| | 41314 | 40 | 145,00 | 52,00 | 52,00 | 71,00 | 104,00 | 1,015 | • • | 1 | | |
| | 41316 | 50 | 167,00 | 60,00 | 68,00 | 79,00 | 140,00 | 1,689 | • • | 1 | | |
| | 41318 | 63 | 205,00 | 75,00 | 84,00 | 88,00 | 140,00 | 2,874 | • • | 1 | | |

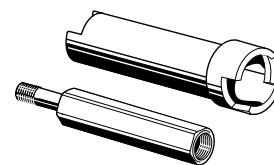
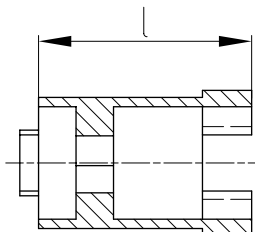
EXTENSION FOR AQUATHERM GREEN PIPE BALL VALVE

chromium-plated for Art. no. 41308 – 41318

Systems: aquatherm green pipe, aquatherm blue pipe

Material: brass

Colour: chrom



| Art. no. | l [mm] | for Art. no. | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|--------|--------------|-------------|--------|----|----------|------------|
| 41378 | 35,0 | 41308-41310 | 0,120 | • • | 1 | | |
| 41382 | 35,0 | 41312-41314 | 0,120 | • • | 1 | | |
| 41386 | 46,0 | 41316-41318 | 0,273 | • • | 1 | | |

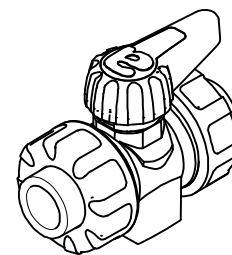
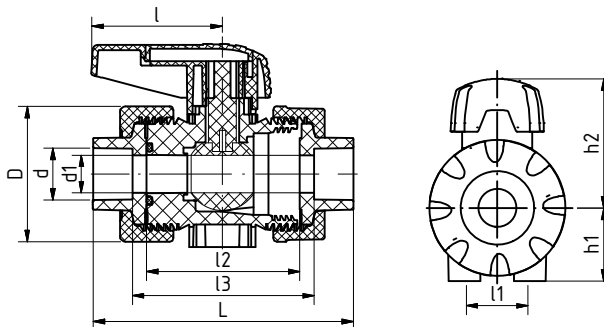
PP-BALL VALVE

with union nut and welding socket

Systems: aquatherm green pipe, aquatherm blue pipe

Material: fusiolen® PP-R

Colour: green

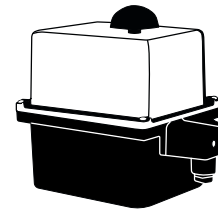


| SDR | Art. no. | d [mm] | d1 [mm] | D [mm] | h1 [mm] | h2 [mm] | l1 [mm] | l2 [mm] | l3 [mm] | L [mm] | l [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|--------|---------|--------|---------|---------|---------|---------|---------|--------|--------|-------------|--------|----|----------|------------|
| 6 7.4 9 11 | 41488 | 20 | 13,5 | 50,3 | 27,0 | 48,0 | 25,0 | 56,5 | 68,0 | 97,0 | 48,0 | 0,118 | • • | 1 | | |
| | 41490 | 25 | 18,5 | 59,0 | 30,0 | 56,5 | 25,0 | 65,5 | 78,0 | 110,0 | 59,0 | 0,184 | • • | 1 | | |
| | 41492 | 32 | 23,9 | 70,3 | 40,0 | 64,5 | 26,0 | 72,0 | 84,5 | 120,5 | 59,0 | 0,274 | • • | 1 | | |
| | 41494 | 40 | 31,0 | 85,9 | 46,0 | 83,3 | 45,0 | 85,0 | 100,0 | 141,0 | 63,5 | 0,483 | • • | 1 | | |
| | 41496 | 50 | 38,5 | 99,5 | 55,0 | 89,4 | 45,0 | 89,0 | 107,0 | 154,0 | 63,5 | 0,648 | • • | 1 | | |
| | 41498 | 63 | 50,0 | 125,5 | 70,0 | 115,0 | 45,0 | 101,0 | 118,0 | 173,0 | 108,0 | 1,206 | • • | 1 | | |

Also suitable for vacuum pipes.

ELECTRICAL DRIVE FOR BALL VALVE ◀

incl. fixtures
For Art. no. 41488 – 41498



Systems: aquatherm green pipe,
aquatherm blue pipe

Colour: black/red

| Art. no. | Dimension [mm] | for Art. no. | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------|----------------|--------------------------|-------------|--------|----|----------|------------|
| <i>230 Volt</i> | | | | | | | |
| 41489 | 20 | incl. fixtures for 41488 | 1,500 | • • | 1 | | |
| 41491 | 25 | incl. fixtures for 41490 | 1,600 | • • | 1 | | |
| 41493 | 32 | incl. fixtures for 41492 | 1,600 | • • | 1 | | |
| 41495 | 40 | incl. fixtures for 41494 | 1,600 | • • | 1 | | |
| 41497 | 50 | incl. fixtures for 41496 | 1,700 | • • | 1 | | |
| 41499 | 63 | incl. fixtures for 41498 | 1,700 | • • | 1 | | |
| <i>24 Volt</i> | | | | | | | |
| 41589 | 20 | incl. fixtures for 41488 | 1,500 | • • | 1 | | |
| 41591 | 25 | incl. fixtures for 41490 | 1,600 | • • | 1 | | |
| 41593 | 32 | incl. fixtures for 41492 | 1,600 | • • | 1 | | |
| 41595 | 40 | incl. fixtures for 41494 | 1,600 | • • | 1 | | |
| 41597 | 50 | incl. fixtures for 41496 | 1,700 | • • | 1 | | |
| 41599 | 63 | incl. fixtures for 41498 | 1,700 | • • | 1 | | |

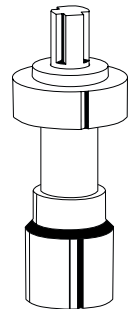
EXTENSION FOR BALL VALVE

For Art. no. 41488 – 41498

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: PVC

Colour: grey



| Art. no. | l [mm] | for Art. no. | Weight [kg] | System | PU | Box unit | Price € pc |
|----------|--------|--------------|-------------|--------|----|----------|------------|
| 98900 | 100 | 41488 | 0,020 | • • | 1 | | |
| 98901 | 100 | 41490/41492 | 0,025 | • • | 1 | | |
| 98902 | 100 | 41494/41496 | 0,030 | • • | 1 | | |
| 98903 | 100 | 41498 | 0,125 | • • | 1 | | |

Delivery time: on request

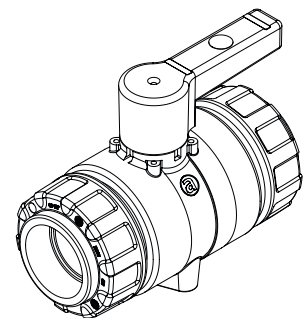
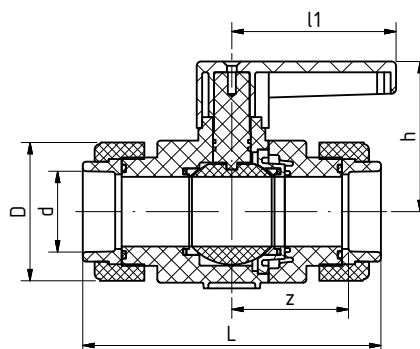
PP-BALL VALVE

with union nut and welding socket

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Colour: green



| SDR | Art. no. | d [mm] | L [mm] | z [mm] | D [mm] | h [mm] | l1 [mm] | Inch R | DN | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|----------|--------|--------|--------|--------|--------|---------|--------|----|-------------|--------|----|----------|------------|
| 6 7.4 9 11 | 41400 | 75 | 276,0 | 108,0 | 129,0 | 139,0 | 152,0 | 0,00 | 65 | 2,441 | • • | 1 | | |

Also suitable for vacuum pipes.

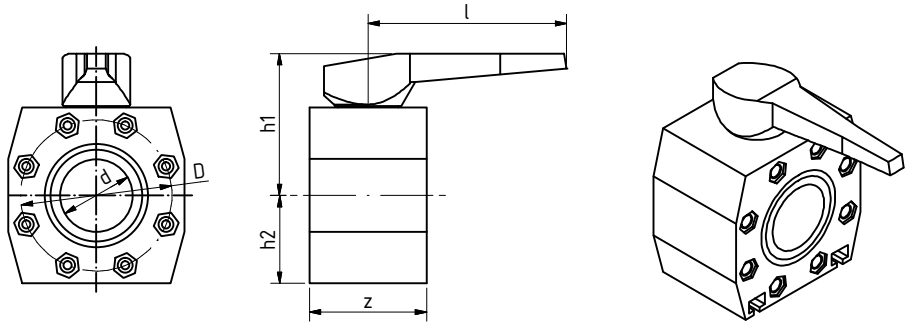
PP-BALL VALVE

with flange connection on both sides

Systems: aquatherm green pipe,
aquatherm blue pipe

Material: fusiolen® PP-R

Colour: green



| SDR | Art. no. | for ø [mm] | d [mm] | l [mm] | z [mm] | D [mm] | h1 [mm] | h2 [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----|--------------|------------|--------|--------|--------|--------|---------|---------|-------------|--------|----|----------|------------|
| 6 | 41602 | 90 | 77,0 | 210,0 | 124,0 | 160,0 | 150,0 | 93,0 | 4,196 | • • | 1 | | |
| 7.4 | 41604 | 110 | 94,0 | 260,0 | 145,0 | 180,0 | 165,0 | 103,0 | 5,612 | • • | 1 | | |
| 9 | | | | | | | | | | | | | |
| 11 | 41607 | 160 | 135,0 | 310,0 | 205,0 | 240,0 | 210,0 | 136,5 | 13,420 | • • | 1 | | |

Also suitable for vacuum pipes.

For dimension 125 mm the PP-ball valve Art. no. 41604 with flange adapter Art. no. 15526 and flange Art. no. 15724 is used.

For connection with aquatherm green pipe weldable flange adapter (Art. no. 15520 – 15531) and aquatherm green pipe plastic coated steel flange (Art. no. 15720 – 15730)

Hexagon screw M 16x60 mm for Art. no. 41602/41604

Hexagon screw M 20x80 mm for Art. no. 41607

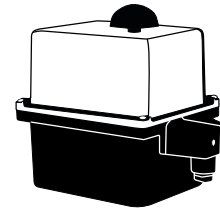
corresponding flat washer M 16

NOTICE: These are not included in delivery.

ELECTRICAL DRIVE FOR BALL VALVE ◆

incl. fixtures

For Art. no. 41602 – 41607



Systems: aquatherm green pipe,
aquatherm blue pipe

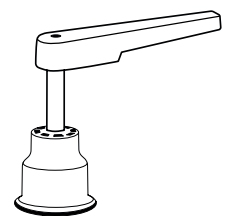
Colour: black/red

| Art. no. | Dimension [mm] | for Art. no. | Weight [kg] | System | PU | Box unit | Price € pc |
|--------------|----------------|--------------------------|-------------|--------|----|----------|------------|
| 230 Volt | | | | | | | |
| 41603 | 90 | incl. fixtures for 41602 | 3,300 | • • | 1 | | |
| 41605 | 110 | incl. fixtures for 41604 | 3,400 | • • | 1 | | |
| 41608 | 160 | incl. fixtures for 41607 | 3,700 | • • | 1 | | |
| 24 Volt | | | | | | | |
| 41703 | 90 | incl. fixtures for 41602 | 3,300 | • • | 1 | | |
| 41705 | 110 | incl. fixtures for 41604 | 3,400 | • • | 1 | | |
| 41708 | 160 | incl. fixtures for 41607 | 3,700 | • • | 1 | | |

EXTENSION FOR BALL VALVE ◆

For Art. no. 41602–41607

Systems: aquatherm green pipe,
aquatherm blue pipe



| Art. no. | l [mm] | for Art. no. | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|--------|--------------|-------------|--------|----|----------|--------------|
| 98904 | 150 | 41602 | 0,788 | • • | 1 | | |
| 98905 | 150 | 41604 | 1,120 | • • | 1 | | |
| 98906 | 150 | 41607 | 1,391 | • • | 1 | | |

Delivery time: on request

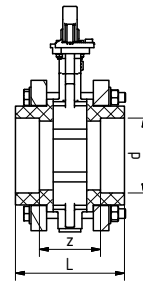
aquatherm blue pipe SHUT-OFF VALVE WITH LEVER ◆

Set consists of: 2 x flange adapter, 2 x flanges, fixing screws

Systems: aquatherm blue pipe

Material: fusiolen® PP-RCT, Steel

Colour: blue



| SDR | Art. no. | d [mm] | z [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|-----------------------|----------------|------------|------------|------------|---------------|--------|----------|----------|------------|
| <i>socket welding</i> | | | | | | | | | |
| 6 | 2041820 | 75 | 78 | 138 | 6,763 | • | 1 | | |
| 7.4 | | | | | | | | | |
| 9 | 2041822 | 90 | 80 | 146 | 9,134 | • | 1 | | |
| 11 | 2041824 | 110 | 89 | 163 | 10,400 | • | 1 | | |
| 17.6 | | | | | | | | | |
| | 2041826 | 125 | 104 | 184 | 15,600 | • | 1 | | |

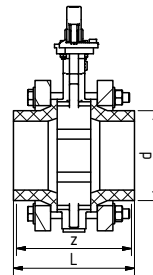
aquatherm blue pipe SHUT-OFF VALVE WITH LEVER

Set consists of: 2 x flange adapter, 2 x flanges, fixing screws

Systems: aquatherm blue pipe

Material: fusiolen® PP-RCT, Steel

Colour: blue



| SDR | Art. no. | d [mm] | z [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|------------------|------------|------------|------------|---------------|--------|----------|----------|------------|
| <i>Butt welding</i> | | | | | | | | | |
| 11 | 2041830 ◆ | 160 | 227 | 242 | 22,000 | • | 1 | | |
| 17.6 | 2541830 | 160 | 227 | 242 | 21,700 | • | 1 | | |

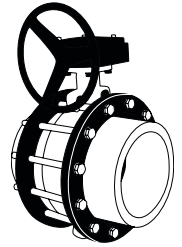
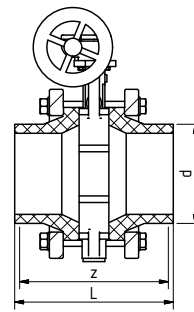
aquatherm blue pipe SHUT-OFF VALVE WITH DRIVE ◆

Set consists of: 2 x flange adapter, 2 x flanges, fixing screws

Systems: **aquatherm blue pipe**

Material: fusiolen® PP-RCT, Steel

Colour: blue



| SDR | Art. no. | d [mm] | z [mm] | L [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|------|----------------|------------|--------|--------|-------------|--------|----|----------|------------|
| 11 | 2041834 | 200 | 305 | 320 | 41,400 | • | 1 | | |
| | 2041838 | 250 | 313 | 328 | 59,200 | • | 1 | | |
| | 2041842 | 315 | 412 | 432 | 81,800 | • | 1 | | |
| 17.6 | 2541834 | 200 | 305 | 320 | 40,900 | • | 1 | | |
| | 2541838 | 250 | 313 | 328 | 58,400 | • | 1 | | |
| | 2541842 | 315 | 412 | 432 | 78,600 | • | 1 | | |

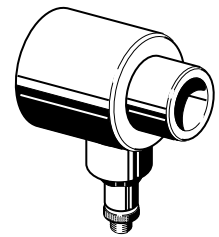
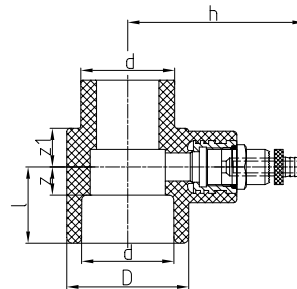
DRAINING BRANCH

to weld in aquatherm green pipe valves

Systems: **aquatherm green pipe,**
aquatherm blue pipe

Material: fusiolen® PP-R, brass

Colour: green



| SDR | Art. no. | d [mm] | z [mm] | l [mm] | D [mm] | z1 [mm] | h [mm] | Weight [kg] | System | PU | Box unit | Price € pc |
|---------------------|--------------|-----------|--------|--------|--------|---------|--------|-------------|--------|----|----------|------------|
| 6 7.4 9 11 | 41408 | 20 | 11,5 | 26,0 | 34,0 | 16,5 | 71,0 | 0,098 | • • | 1 | | |
| | 41410 | 25 | 10,0 | 26,0 | 34,0 | 16,5 | 71,0 | 0,096 | • • | 1 | | |
| | 41412 | 32 | 14,0 | 32,0 | 43,0 | 17,0 | 74,5 | 0,118 | • • | 1 | | |
| | 41414 | 40 | 12,0 | 32,5 | 52,0 | 16,5 | 80,5 | 0,140 | • • | 1 | | |
| | 41416 | 50 | 15,5 | 39,0 | 68,0 | 17,0 | 88,0 | 0,202 | • • | 1 | | |
| | 41418 | 63 | 16,5 | 44,0 | 84,0 | 16,5 | 96,0 | 0,288 | • • | 1 | | |



aquatherm ti

PRE-INSULATED PIPE SYSTEMS FOR DISTRICT HEATING

aquatherm ti is a pre-insulated polypropylene piping system for underground installation. It is ideally suited to transport warm potable water or heating and cooling water over longer distances. The medium pipe (aquatherm green pipe for potable applications, aquatherm blue pipe for heating and cooling) is insulated with rigid polyurethane foam and enclosed in a jacket pipe made of polyethylene. Only pipes with aquatherm's multi-layer, faser-composite (MF) technology are used, making them perfect for underground installation due to their limited thermal expansion. All pipes are made of the corrosion-resistant material fusiolen® polypropylene, which is characterized by its safe and strong heat fusion connections.

aquatherm green pipe ti

faser composite pipe system SDR 9 in dimensions 32 – 355 mm
pipe system for potable water

aquatherm blue pipe ti

faser composite pipe system SDR 11 in dimensions 40 – 315 mm and
faser composite pipe system SDR 17.6 in dimensions 125 – 355 mm
for heating, cooling and waste water

aquatherm blue pipe ot ti

oxygen-tight pipe system for heating- and industrial water
faser composite pipe system SDR 9 in dimension 32 mm
faser composite pipe system SDR 11 in dimensions 40 – 250 mm

The aquatherm ti pipe systems are insulated with PUR rigid foam and coated with a casing pipe made of PEHD.

All medium pipes are plastic-fibre composite pipes and also best suitable for the following applications.

For further informations please call our technical hotline
+49 2722 950 200, visit www.aquatherm.de or order our
aquatherm ti catalogue (**Order No. E30000**).

| aquatherm ti Fields of application | aquatherm green pipe ti | aquatherm blue pipe ti | aquatherm blue pipe ot ti |
|--|-------------------------------|------------------------------|---------------------------------|
| Potable water application | ● | | |
| Heating system construction | ○ | ● | ● |
| Climate technology | ○ | ● | ● |
| Chilled water technology | ○ | ● | ● |
| Swimming pool technology | ○ | ● | |
| Rainwater application | ○ | ● | |
| Irrigation | ● | ● | |
| Compressed air systems | ○ | ● | |
| Geothermal | ○ | ● | ○ |
| Industrial liquids <small>considering the material resistance</small> | ● | ● | ● |

- System recommended due to its technical advantages
- Application of the system is suitable

aquatherm ti

PRE-INSULATED PIPE SYSTEMS FOR DISTRICT HEATING

All mediums pipes of the aquatherm ti pipe system in the dimensions 32 – 125 mm are connected with fittings by socket welding and in the dimensions 160 – 355 mm by butt-welding according to the plastic-welding regulations DVS 2207/08. The pipe ends of the mediums pipes are not insulated on a length of 250 mm to make a proper and professional conjunction. For the insulation of all connections please use the aquatherm ti sockets consisting of four PUR-rigid foam elements relating to the dimension, two melting adhesive strips, one casing melting film and one shrink sleeve, which is tested and approved for the laying directly in the ground.

MEDIUMPIPE

aquatherm ti is available with different medium-pipes. All medium-pipes are made of fusiolen® (PP-R), mechanically stabilized by a fiber mixture in the middle material layer.

aquatherm green pipe *faser composite pipe SDR 9*

| | |
|------------------------------------|---------------------------------|
| Max. operating pressure: | 20 bar |
| Max. operating temperature: | 70 °C |
| Colour: | green with 4 moss-green stripes |

aquatherm blue pipe *faser composite pipe SDR 11/17.6*

| | |
|------------------------------------|--------|
| Max. operating pressure: | 10 bar |
| Max. operating temperature: | 80 °C |
| Colour: | blue |

aquatherm blue pipe ot *faser composite pipe SDR 7.4/SDR 11*

| | |
|------------------------------------|--------|
| Max. operating pressure: | 10 bar |
| Max. operating temperature: | 80 °C |
| Colour: | blue |

The manufacturer's operating instructions are valid.

INSULATION

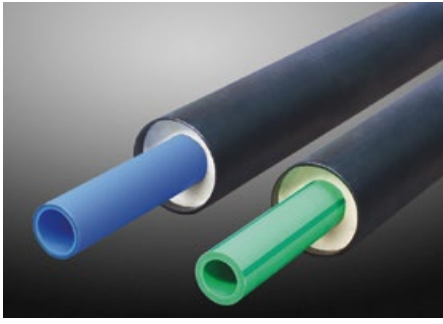
aquatherm ti pipes and fittings are insulated with polyurethane rigid foam (PUR), tested according to EN253. In the production line discontinuously foamed between medium and casing pipe, a high-class insulation with outstanding thermal conductivity $\lambda_{\text{PUR}}=0,0275$ W/mK and low specific weight is formed by an exothermal chemical reaction.

All aquatherm ti components are generally produced with a 100 % Freon-free and thus environmentally-friendly Cyclopentane driven PUR-foam. That means huge insulation characteristics and at the same time minimal possible ozone depletion potential (ODP=0) and greenhouse potential values (GWP=0,001).

CASING PIPE

The casing pipe of the aquatherm ti is made of the approved PE with a smooth surface. Polyethylene is a seamless extruded impact resistant and break-proof viscoplastic high density polyethylene, applicable up to -50 °C. General quality requirements are according to DIN 8075. Treated with Corona for best adhesion at the PUR-rigid foam, acc. to EN 253. Dimensions resp. wall thickness at least acc. to EN 253, thermal conductivity $\lambda_{\text{PE80}} = 0,38$ W/mK.

Polyethylene is highly resistant against climatic influence and UV-rays as well as against nearly all chemical compounds in the soil. Thus in all national and international regulations PE is recommended as the only suitable material for the laying directly in the soil.



aquatherm ti FASER COMPOSITE PIPES

faser composite pipe , length á 5.8 m with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | aquatherm green pipe ti SDR 9 MF RP | | aquatherm blue pipe ti SDR 11 MF RP / *SDR 9 MF RP | | aquatherm blue pipe ot ti SDR 11 MF / *SDR 9 MF RP | | aquatherm blue pipe ti SDR 17.6 MF RP | | PU | Box unit |
|------------------|------------------|-------------------------------------|--------------|--|--------------|--|--------------|---------------------------------------|--------------|-----|----------|
| Medium pipe [mm] | Casing pipe [mm] | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | m | |
| 32 | 90 | 1370711 | | 2270111* | | 2470711* | | | | 5.8 | |
| 40 | 110 | 1370713 | | 2270113 | | 2470113 | | | | 5.8 | |
| 50 | 110 | 1370715 | | 2270115 | | 2470115 | | | | 5.8 | |
| 63 | 125 | 1370717 | | 2270117 | | 2470117 | | | | 5.8 | |
| 75 | 140 | 1370719 | | 2270119 | | 2470119 | | | | 5.8 | |
| 90 | 160 | 1370721 | | 2270121 | | 2470121 | | | | 5.8 | |
| 110 | 200 | 1370723 | | 2270123 | | 2470123 | | | | 5.8 | |
| 125 | 225 | 1370725 | | 2270125 | | 2470125 | | 2770125 | | 5.8 | |
| 160 | 250 | 1370729 | | 2270129 | | 2470129 | | 2770129 | | 5.8 | |
| 200 | 315 | | | 2270133 | | 2470133 | | 2770133 | | 5.8 | |
| 250 | 400 | | | 2270137 | | 2470137 | | 2770137 | | 5.8 | |
| 315 | 450 | | | 2270141 | | | | 2770141 | | 5.8 | |
| 355 | 500 | | | 2270143 | | | | 2770143 | | 5.8 | |

aquatherm green pipe ti SDR 9 in dimensions from 200 mm (medium pipe) available on request.

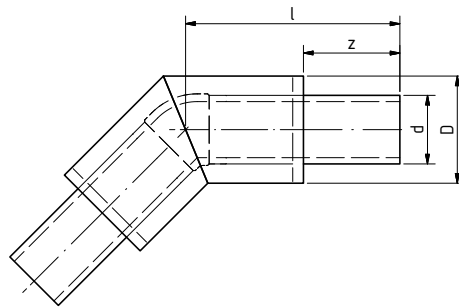
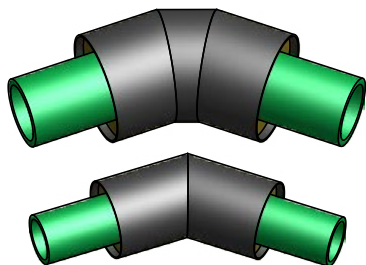
aquatherm ti FASER COMPOSITE PIPES

faser composite pipe , length á 11.6 m with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | aquatherm green pipe ti SDR 9 MF RP | | aquatherm blue pipe ti SDR 11 MF RP / *SDR 9 MF RP | | aquatherm blue pipe ot ti SDR 11 MF / *SDR 9 MF RP | | aquatherm blue pipe ti SDR 17.6 MF RP | | PU | Box unit |
|------------------|------------------|-------------------------------------|--------------|--|--------------|--|--------------|---------------------------------------|--------------|------|----------|
| Medium pipe [mm] | Casing pipe [mm] | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | m | |
| 32 | 90 | 1370712 | | 2270112* | | 2470712* | | | | 11.6 | |
| 40 | 110 | 1370714 | | 2270114 | | 2470114 | | | | 11.6 | |
| 50 | 110 | 1370716 | | 2270116 | | 2470116 | | | | 11.6 | |
| 63 | 125 | 1370718 | | 2270118 | | 2470118 | | | | 11.6 | |
| 75 | 140 | 1370720 | | 2270120 | | 2470120 | | | | 11.6 | |
| 90 | 160 | 1370722 | | 2270122 | | 2470122 | | | | 11.6 | |
| 110 | 200 | 1370724 | | 2270124 | | 2470124 | | | | 11.6 | |
| 125 | 225 | 1370726 | | 2270126 | | 2470126 | | 2770126 | | 11.6 | |
| 160 | 250 | 1370730 | | 2270130 | | 2470130 | | 2770130 | | 11.6 | |
| 200 | 315 | | | 2270134 | | 2470134 | | 2770134 | | 11.6 | |
| 250 | 400 | | | 2270138 | | 2470138 | | 2770138 | | 11.6 | |
| 315 | 450 | | | 2270142 | | | | 2770142 | | 11.6 | |
| 355 | 500 | | | 2270144 | | | | 2770144 | | 11.6 | |

aquatherm green pipe ti SDR 9 in dimensions from 200 mm (medium pipe) available on request.

aquatherm ti



aquatherm ti ELBOW 45° SL 500

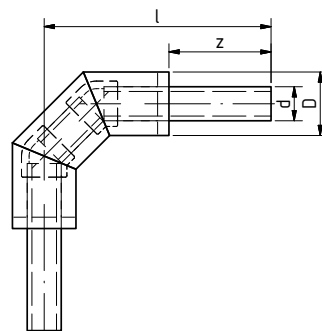
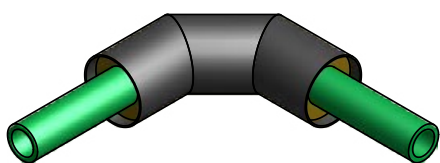
with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | | | aquatherm green pipe ti SDR 9 MF RP | aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ti SDR 17.6 MF RP | PU | Box unit | | | |
|-----------------------|-----------------------|-----------|-----------|--|---|--|--|----------|--------------|----------|--------------|---|
| d Medium pipe [mm] | D Casing pipe [mm] | z [mm] | l [mm] | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | m |
| 32 | 90 | 225 | 500 | 1312512 | | 2212512* | | 2412512* | | | | 1 |
| 40 | 110 | 225 | 500 | 1312514 | | 2212514 | | 2412514 | | | | 1 |
| 50 | 110 | 225 | 500 | 1312516 | | 2212516 | | 2412516 | | | | 1 |
| 63 | 125 | 225 | 500 | 1312518 | | 2212518 | | 2412518 | | | | 1 |
| 75 | 140 | 225 | 500 | 1312520 | | 2212520 | | 2412520 | | | | 1 |
| 90 | 160 | 225 | 500 | 1312522 | | 2212522 | | 2412522 | | | | 1 |
| 110 | 200 | 225 | 500 | 1312524 | | 2212524 | | 2412524 | | | | 1 |
| 125 | 225 | 225 | 500 | 1312526 | | 2212526 | | 2412526 | | 2712526 | | 1 |
| 160 | 250 | 225 | 500 | 1312530 | | 2212531 | | 2412531 | | 2712530 | | 1 |
| 200 | 315 | 225 | 500 | | | 2212535 | | 2412535 | | 2712534 | | 1 |
| 250 | 400 | 225 | 500 | | | 2212539 | | 2412539 | | 2712538 | | 1 |
| 315 | 450 | 225 | 500 | | | 2212543 | | | | 2712542 | | 1 |
| 355 | 500 | 225 | 500 | | | 2212545 | | | | 2712544 | | 1 |

Also available in design 15° and 30°.

aquatherm green pipe ti SDR 9 in dimensions from 200 mm (medium pipe) available on request.

aquatherm ti

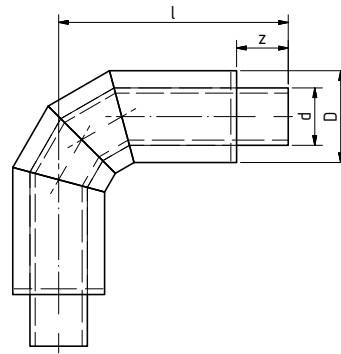
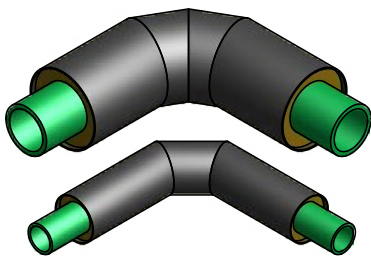


aquatherm ti ELBOW 90° SL 500

with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | | | aquatherm green pipe ti SDR 9 MF RP | aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP | PU | Box unit | | |
|-----------------------|-----------------------|-----------|-----------|--|---|--|--------------|----------|--------------|---|
| d Medium pipe [mm] | D Casing pipe [mm] | z [mm] | l [mm] | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | m |
| 32 | 90 | 225 | 500 | 1312212 | | 2212212* | | 2412212* | | 1 |
| 40 | 110 | 225 | 500 | 1312214 | | 2212214 | | 2412214 | | 1 |
| 50 | 110 | 225 | 500 | 1312216 | | 2212216 | | 2412216 | | 1 |
| 63 | 125 | 225 | 500 | 1312218 | | 2212218 | | 2412218 | | 1 |
| 75 | 140 | 225 | 500 | 1312220 | | 2212220 | | 2412220 | | 1 |

Also available in design 60° and 75°.



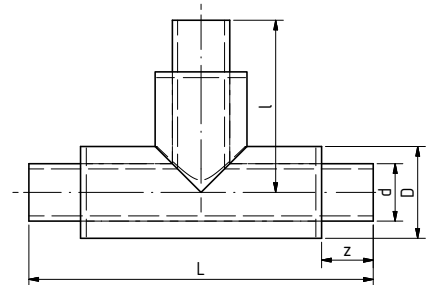
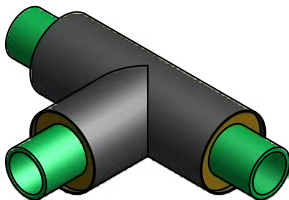
aquatherm ti ELBOW 90° SL 1000

with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | | | aquatherm green pipe ti SDR 9 MF RP | aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ti SDR 17.6 MF RP | PU | Box unit | | | |
|--------------------|--------------------|--------|--------|-------------------------------------|--|---|---------------------------------------|----------|-----------|----------|-----------|---|
| d Medium pipe [mm] | D Casing pipe [mm] | z [mm] | l [mm] | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | m |
| 32 | 90 | 225 | 1000 | 1312112 | | 2212112* | | 2412112* | | | | 1 |
| 40 | 110 | 225 | 1000 | 1312114 | | 2212114 | | 2412114 | | | | 1 |
| 50 | 110 | 225 | 1000 | 1312116 | | 2212116 | | 2412116 | | | | 1 |
| 63 | 125 | 225 | 1000 | 1312118 | | 2212118 | | 2412118 | | | | 1 |
| 75 | 140 | 225 | 1000 | 1312120 | | 2212120 | | 2412120 | | | | 1 |
| 90 | 160 | 225 | 1000 | 1312122 | | 2212122 | | 2412122 | | | | 1 |
| 110 | 200 | 225 | 1000 | 1312124 | | 2212124 | | 2412124 | | | | 1 |
| 125 | 225 | 225 | 1000 | 1312126 | | 2212126 | | 2412126 | | 2712126 | | 1 |
| 160 | 250 | 225 | 1000 | 1312130 | | 2212131 | | 2412131 | | 2712130 | | 1 |
| 200 | 315 | 225 | 1000 | | | 2212135 | | 2412135 | | 2712134 | | 1 |
| 250 | 400 | 225 | 1000 | | | 2212139 | | 2412139 | | 2712138 | | 1 |
| 315 | 450 | 225 | 1000 | | | 2212143 | | | | 2712142 | | 1 |
| 355 | 500 | 225 | 1000 | | | 2212145 | | | | 2712144 | | 1 |

Also available in design 60° and 75°.

aquatherm green pipe ti SDR 9 in dimensions from 200 mm (medium pipe) available on request.



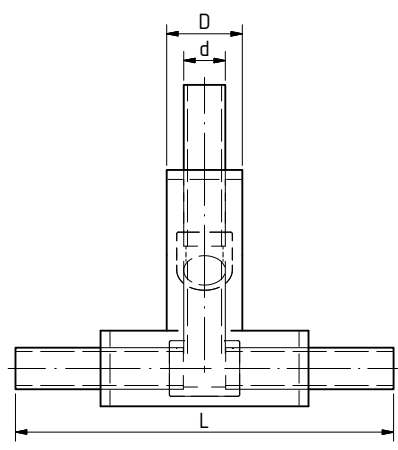
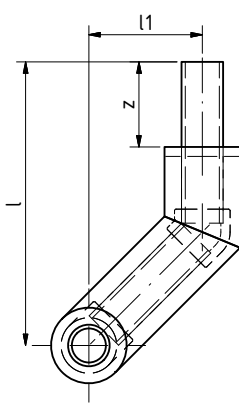
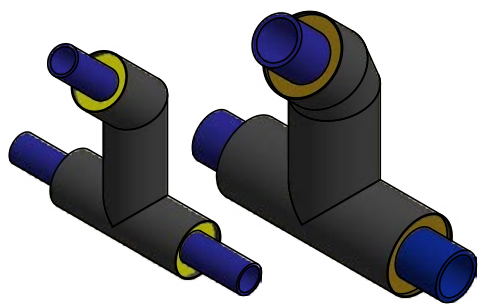
aquatherm ti BRANCH

with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | | | | aquatherm green pipe ti SDR 9 MF RP | aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ti SDR 17.6 MF RP | PU | Box unit | | | |
|--------------------|--------------------|--------|--------|--------|-------------------------------------|--|---|---------------------------------------|----------|-----------|----------|-----------|---|
| d Medium pipe [mm] | D Casing pipe [mm] | z [mm] | l [mm] | L [mm] | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | m |
| 32 | 90 | 225 | 500 | 1000 | 1313112 | | 2213112* | | 2413112* | | | | 1 |
| 40 | 110 | 225 | 500 | 1000 | 1313114 | | 2213114 | | 2413114 | | | | 1 |
| 50 | 110 | 225 | 500 | 1000 | 1313116 | | 2213116 | | 2413116 | | | | 1 |
| 63 | 125 | 225 | 500 | 1000 | 1313118 | | 2213118 | | 2413118 | | | | 1 |
| 75 | 140 | 225 | 500 | 1000 | 1313120 | | 2213120 | | 2413120 | | | | 1 |
| 90 | 160 | 225 | 500 | 1000 | 1313122 | | 2213122 | | 2413122 | | | | 1 |
| 110 | 200 | 225 | 500 | 1000 | 1313124 | | 2213124 | | 2413124 | | | | 1 |
| 125 | 225 | 225 | 500 | 1000 | 1313126 | | 2213126 | | 2413126 | | 2713126 | | 1 |
| 160 | 250 | 225 | 500 | 1000 | 1313130 | | 2213131 | | 2413131 | | 2713130 | | 1 |
| 200 | 315 | 225 | 750 | 1500 | | | 2213135 | | 2413135 | | 2713134 | | 1 |
| 250 | 400 | 225 | 750 | 1500 | | | 2213139 | | 2413139 | | 2713138 | | 1 |
| 315 | 450 | 225 | 750 | 1500 | | | 2213143 | | | | 2713142 | | 1 |
| 355 | 500 | 225 | 750 | 1500 | | | 2213145 | | | | 2713144 | | 1 |

aquatherm green pipe ti SDR 9 in dimensions from 200 mm (medium pipe) available on request.

aquatherm ti

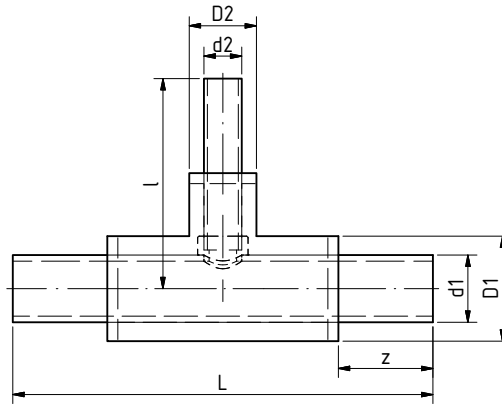
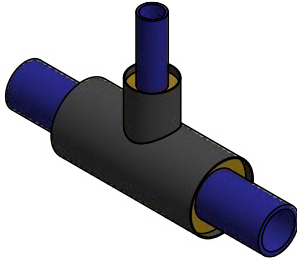


aquatherm ti CROSS-OVER BRANCH

with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | | | | | aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ti SDR 17.6 MF RP | PU | Box unit | | |
|--------------------------|--------------------------|-----------|-----------|------------|-----------|---|--|--|--------------|-------------|--------------|---|
| d Medium pipe [mm] | D Casing pipe [mm] | z [mm] | l [mm] | l1 [mm] | L [mm] | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | m |
| 32 | 90 | 225 | 750 | 190 | 1000 | 2218112* | | 2418112* | | | | 1 |
| 40 | 110 | 225 | 750 | 210 | 1000 | 2218114 | | 2418114 | | | | 1 |
| 50 | 110 | 225 | 750 | 210 | 1000 | 2218116 | | 2418116 | | | | 1 |
| 63 | 125 | 225 | 750 | 225 | 1000 | 2218118 | | 2418118 | | | | 1 |
| 75 | 140 | 225 | 750 | 240 | 1000 | 2218120 | | 2418120 | | | | 1 |
| 90 | 160 | 225 | 750 | 260 | 1000 | 2218122 | | 2418122 | | | | 1 |
| 110 | 200 | 225 | 750 | 300 | 1000 | 2218124 | | 2418124 | | | | 1 |
| 125 | 225 | 225 | 750 | 325 | 1000 | 2218126 | | 2418126 | | 2718126 | | 1 |
| 160 | 250 | 225 | 1000 | 350 | 1000 | 2218131 | | 2418131 | | 2718130 | | 1 |
| 200 | 315 | 225 | 1000 | 415 | 1500 | 2218135 | | 2418135 | | 2718134 | | 1 |
| 250 | 400 | 225 | 1000 | 500 | 1500 | 2218139 | | 2418139 | | 2718138 | | 1 |
| 315 | 450 | 225 | 1250 | 550 | 1500 | 2218143 | | | | 2718142 | | 1 |
| 355 | 500 | 225 | 1250 | 600 | 1500 | 2218145 | | | | 2718144 | | 1 |

aquatherm green pipe ti SDR 9 available on request.



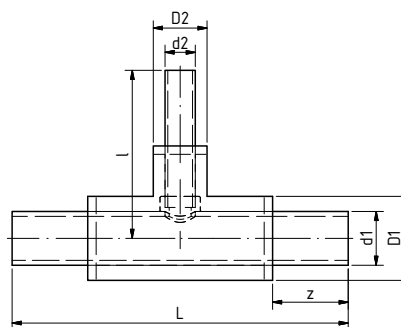
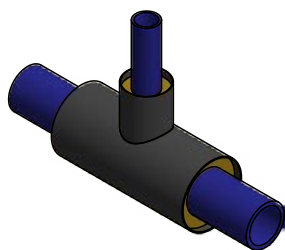
aquatherm ti RED-BRANCH

with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | | | | | | aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ti SDR 17.6 / SDR 11 MF RP | PU | Box unit | | |
|------------------------------|------------------------------|------------------------------|------------------------------|-----------|-----------|-----------|--|---|--|--------------|-------------|--------------|---|
| d1 Medium pipe [mm] | d2 Medium pipe [mm] | D1 Casing pipe [mm] | D2 Casing pipe [mm] | z [mm] | l [mm] | L [mm] | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | m |
| 40 | 32 | 110 | 90 | 225 | 500 | 1000 | 2213202* | | 2413202* | | | | 1 |
| 50 | 32 | 110 | 90 | 225 | 500 | 1000 | 2213206* | | 2413206* | | | | 1 |
| 50 | 40 | 110 | 110 | 225 | 500 | 1000 | 2213208 | | 2413208 | | | | 1 |
| 63 | 32 | 125 | 90 | 225 | 500 | 1000 | 2213212* | | 2413212* | | | | 1 |
| 63 | 40 | 125 | 110 | 225 | 500 | 1000 | 2213214 | | 2413214 | | | | 1 |
| 63 | 50 | 125 | 110 | 225 | 500 | 1000 | 2213216 | | 2413216 | | | | 1 |
| 75 | 32 | 140 | 90 | 225 | 500 | 1000 | 2213220* | | 2413220* | | | | 1 |
| 75 | 40 | 140 | 110 | 225 | 500 | 1000 | 2213222 | | 2413222 | | | | 1 |
| 75 | 50 | 140 | 110 | 225 | 500 | 1000 | 2213224 | | 2413224 | | | | 1 |
| 75 | 63 | 140 | 125 | 225 | 500 | 1000 | 2213226 | | 2413226 | | | | 1 |
| 90 | 32 | 160 | 90 | 225 | 500 | 1000 | 2213230* | | 2413230* | | | | 1 |
| 90 | 40 | 160 | 110 | 225 | 500 | 1000 | 2213232 | | 2413232 | | | | 1 |
| 90 | 50 | 160 | 110 | 225 | 500 | 1000 | 2213234 | | 2413234 | | | | 1 |
| 90 | 63 | 160 | 125 | 225 | 500 | 1000 | 2213236 | | 2413236 | | | | 1 |
| 90 | 75 | 160 | 140 | 225 | 500 | 1000 | 2213238 | | 2413238 | | | | 1 |
| 110 | 32 | 200 | 90 | 225 | 500 | 1000 | 2213242* | | 2413242* | | | | 1 |
| 110 | 40 | 200 | 110 | 225 | 500 | 1000 | 2213244 | | 2413244 | | | | 1 |
| 110 | 50 | 200 | 110 | 225 | 500 | 1000 | 2213246 | | 2413246 | | | | 1 |
| 110 | 63 | 200 | 125 | 225 | 500 | 1000 | 2213248 | | 2413248 | | | | 1 |
| 110 | 75 | 200 | 140 | 225 | 500 | 1000 | 2213250 | | 2413250 | | | | 1 |
| 110 | 90 | 200 | 160 | 225 | 500 | 1000 | 2213252 | | 2413252 | | | | 1 |
| 125 | 32 | 225 | 90 | 225 | 500 | 1000 | 2213256* | | 2413256* | | 2713256** | | 1 |
| 125 | 40 | 225 | 110 | 225 | 500 | 1000 | 2213258 | | 2413258 | | 2713258** | | 1 |
| 125 | 50 | 225 | 110 | 225 | 500 | 1000 | 2213260 | | 2413260 | | 2713260** | | 1 |
| 125 | 63 | 225 | 125 | 225 | 500 | 1000 | 2213262 | | 2413262 | | 2713262** | | 1 |
| 125 | 75 | 225 | 140 | 225 | 500 | 1000 | 2213264 | | 2413264 | | 2713264** | | 1 |
| 125 | 90 | 225 | 160 | 225 | 500 | 1000 | 2213266 | | 2413266 | | 2713266** | | 1 |
| 125 | 110 | 225 | 200 | 225 | 500 | 1000 | 2213268 | | 2413268 | | 2713268** | | 1 |
| 160 | 32 | 250 | 90 | 225 | 500 | 1000 | 2213291* | | 2413291* | | 2713290** | | 1 |
| 160 | 40 | 250 | 110 | 225 | 500 | 1000 | 2213293 | | 2413293 | | 2713292** | | 1 |
| 160 | 50 | 250 | 110 | 225 | 500 | 1000 | 2213295 | | 2413295 | | 2713294** | | 1 |
| 160 | 63 | 250 | 125 | 225 | 500 | 1000 | 2213297 | | 2413297 | | 2713296** | | 1 |
| 160 | 75 | 250 | 140 | 225 | 500 | 1000 | 2213299 | | 2413299 | | 2713298** | | 1 |
| 160 | 90 | 250 | 160 | 225 | 500 | 1000 | 2213301 | | 2413301 | | 2713300** | | 1 |
| 160 | 110 | 200 | 200 | 225 | 750 | 1500 | 2213303 | | 2413303 | | 2713302** | | 1 |
| 160 | 125 | 250 | 225 | 225 | 750 | 1500 | 2213305 | | 2413305 | | 2713304 | | 1 |

* Branch d2 SDR 9 | ** Branch d2 SDR 11

aquatherm green pipe ti SDR 9 available on request.



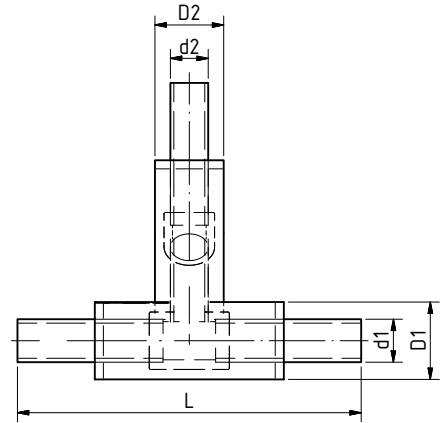
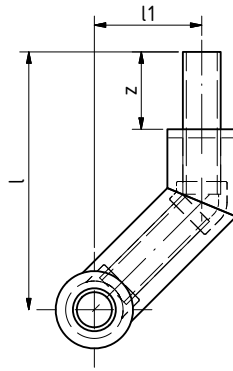
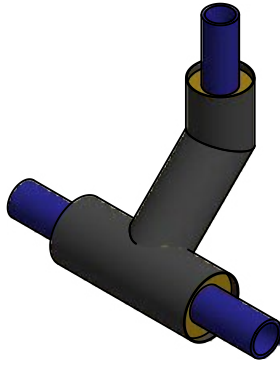
aquatherm ti RED.-BRANCH

with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | | | | | | aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ti SDR 17.6 / SDR 11 MF RP | PU | Box unit | | |
|------------------------------|------------------------------|------------------------------|------------------------------|-----------|-----------|-----------|---|--|---|--------------|-------------|--------------|---|
| d1 Medium pipe [mm] | d2 Medium pipe [mm] | D1 Casing pipe [mm] | D2 Casing pipe [mm] | z [mm] | l [mm] | L [mm] | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | m |
| 200 | 32 | 315 | 90 | 225 | 750 | 1500 | 2213333* | | 2413333* | | 2713332** | | 1 |
| 200 | 40 | 315 | 110 | 225 | 750 | 1500 | 2213335 | | 2413335 | | 2713334** | | 1 |
| 200 | 50 | 315 | 110 | 225 | 750 | 1500 | 2213337 | | 2413337 | | 2713336** | | 1 |
| 200 | 63 | 315 | 125 | 225 | 750 | 1500 | 2213339 | | 2413339 | | 2713338** | | 1 |
| 200 | 75 | 315 | 140 | 225 | 750 | 1500 | 2213341 | | 2413341 | | 2713340** | | 1 |
| 200 | 90 | 315 | 160 | 225 | 750 | 1500 | 2213343 | | 2413343 | | 2713342** | | 1 |
| 200 | 110 | 315 | 200 | 225 | 750 | 1500 | 2213345 | | 2413345 | | 2713344** | | 1 |
| 200 | 125 | 315 | 225 | 225 | 750 | 1500 | 2213347 | | 2413347 | | 2713346 | | 1 |
| 200 | 160 | 315 | 250 | 225 | 750 | 1500 | 2213351 | | 2413351 | | 2713350 | | 1 |
| 250 | 32 | 400 | 90 | 225 | 750 | 1500 | 2213383* | | 2413383* | | 2713382** | | 1 |
| 250 | 40 | 400 | 110 | 225 | 750 | 1500 | 2213385 | | 2413385 | | 2713384** | | 1 |
| 250 | 50 | 400 | 110 | 225 | 750 | 1500 | 2213387 | | 2413387 | | 2713386** | | 1 |
| 250 | 63 | 400 | 125 | 225 | 750 | 1500 | 2213389 | | 2413389 | | 2713388** | | 1 |
| 250 | 75 | 400 | 140 | 225 | 750 | 1500 | 2213391 | | 2413391 | | 2713390** | | 1 |
| 250 | 90 | 400 | 160 | 225 | 750 | 1500 | 2213393 | | 2413393 | | 2713392** | | 1 |
| 250 | 110 | 400 | 200 | 225 | 750 | 1500 | 2213395 | | 2413395 | | 2713394** | | 1 |
| 250 | 125 | 400 | 225 | 225 | 750 | 1500 | 2213397 | | 2413397 | | 2713396 | | 1 |
| 250 | 160 | 400 | 250 | 225 | 750 | 1500 | 2213401 | | 2413401 | | 2713400 | | 1 |
| 250 | 200 | 400 | 315 | 225 | 750 | 1500 | 2213403 | | 2413403 | | 2713402 | | 1 |
| 315 | 32 | 450 | 90 | 225 | 750 | 1500 | 2213407* | | | | 2713406** | | 1 |
| 315 | 40 | 450 | 110 | 225 | 750 | 1500 | 2213409 | | | | 2713408** | | 1 |
| 315 | 50 | 450 | 110 | 225 | 750 | 1500 | 2213411 | | | | 2713410** | | 1 |
| 315 | 63 | 450 | 125 | 225 | 750 | 1500 | 2213413 | | | | 2713412** | | 1 |
| 315 | 75 | 450 | 140 | 225 | 750 | 1500 | 2213415 | | | | 2713414** | | 1 |
| 315 | 90 | 450 | 160 | 225 | 750 | 1500 | 2213417 | | | | 2713416** | | 1 |
| 315 | 110 | 450 | 200 | 225 | 750 | 1500 | 2213419 | | | | 2713418** | | 1 |
| 315 | 125 | 450 | 225 | 225 | 750 | 1500 | 2213421 | | | | 2713420 | | 1 |
| 315 | 160 | 450 | 250 | 225 | 750 | 1500 | 2213425 | | | | 2713424 | | 1 |
| 315 | 200 | 450 | 315 | 225 | 750 | 1500 | 2213429 | | | | 2713428 | | 1 |
| 315 | 250 | 450 | 400 | 225 | 750 | 1500 | 2213433 | | | | 2713432 | | 1 |
| 355 | 32 | 500 | 90 | 225 | 750 | 1500 | 2213437* | | | | 2713436** | | 1 |
| 355 | 40 | 500 | 110 | 225 | 750 | 1500 | 2213439 | | | | 2713438** | | 1 |
| 355 | 50 | 500 | 110 | 225 | 750 | 1500 | 2213441 | | | | 2713440** | | 1 |
| 355 | 63 | 500 | 125 | 225 | 750 | 1500 | 2213443 | | | | 2713442** | | 1 |
| 355 | 75 | 500 | 140 | 225 | 750 | 1500 | 2213445 | | | | 2713444** | | 1 |
| 355 | 90 | 500 | 160 | 225 | 750 | 1500 | 2213447 | | | | 2713446** | | 1 |
| 355 | 110 | 500 | 200 | 225 | 750 | 1500 | 2213449 | | | | 2713448** | | 1 |
| 355 | 125 | 500 | 225 | 225 | 750 | 1500 | 2213451 | | | | 2713450 | | 1 |
| 355 | 160 | 500 | 250 | 225 | 750 | 1500 | 2213455 | | | | 2713454 | | 1 |
| 355 | 200 | 500 | 315 | 225 | 750 | 1500 | 2213459 | | | | 2713458 | | 1 |
| 355 | 250 | 500 | 400 | 225 | 750 | 1500 | 2213463 | | | | 2713462 | | 1 |
| 355 | 315 | 500 | 450 | 225 | 750 | 1500 | 2213467 | | | | 2713466 | | 1 |

* Branch d2 SDR 9 | ** Branch d2 SDR 11

aquatherm green pipe ti SDR 9 available on request.



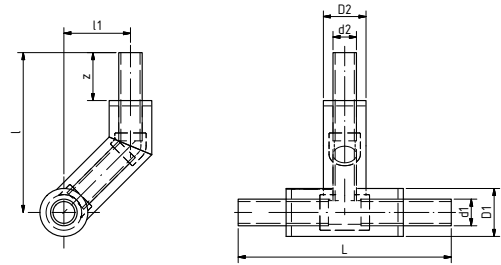
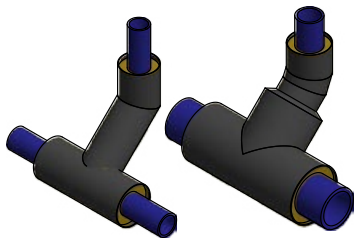
aquatherm ti RED. CROSS-OVER BRANCH

with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | | | | | | | aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ot ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ti SDR 17.6 / SDR 11 MF RP | PU | Box unit | | |
|------------------------------|------------------------------|------------------------------|------------------------------|-----------|-----------|------------|-----------|---|--|---|--------------|-------------|--------------|---|
| d1 Medium pipe [mm] | d2 Medium pipe [mm] | D1 Casing pipe [mm] | D2 Casing pipe [mm] | z [mm] | l [mm] | l1 [mm] | L [mm] | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | m |
| 40 | 32 | 110 | 90 | 225 | 750 | 200 | 1000 | 2218202* | | 2418202* | | | | 1 |
| 50 | 32 | 110 | 90 | 225 | 750 | 200 | 1000 | 2218206* | | 2418206* | | | | 1 |
| 50 | 40 | 110 | 110 | 225 | 750 | 210 | 1000 | 2218208 | | 2418208 | | | | 1 |
| 63 | 32 | 125 | 90 | 225 | 750 | 207,5 | 1000 | 2218212* | | 2418212* | | | | 1 |
| 63 | 40 | 125 | 110 | 225 | 750 | 217,5 | 1000 | 2218214 | | 2418214 | | | | 1 |
| 63 | 50 | 125 | 110 | 225 | 750 | 217,5 | 1000 | 2218216 | | 2418216 | | | | 1 |
| 75 | 32 | 140 | 90 | 225 | 750 | 215 | 1000 | 2218220* | | 2418220* | | | | 1 |
| 75 | 40 | 140 | 110 | 225 | 750 | 225 | 1000 | 2218222 | | 2418222 | | | | 1 |
| 75 | 50 | 140 | 110 | 225 | 750 | 225 | 1000 | 2218224 | | 2418224 | | | | 1 |
| 75 | 63 | 140 | 125 | 225 | 750 | 232,5 | 1000 | 2218226 | | 2418226 | | | | 1 |
| 90 | 32 | 160 | 90 | 225 | 750 | 225 | 1000 | 2218230* | | 2418230* | | | | 1 |
| 90 | 40 | 160 | 110 | 225 | 750 | 235 | 1000 | 2218232 | | 2418232 | | | | 1 |
| 90 | 50 | 160 | 110 | 225 | 750 | 235 | 1000 | 2218234 | | 2418234 | | | | 1 |
| 90 | 63 | 160 | 125 | 225 | 750 | 242,5 | 1000 | 2218236 | | 2418236 | | | | 1 |
| 90 | 75 | 160 | 140 | 225 | 750 | 250 | 1000 | 2218238 | | 2418238 | | | | 1 |
| 110 | 32 | 200 | 90 | 225 | 750 | 245 | 1000 | 2218242* | | 2418242* | | | | 1 |
| 110 | 40 | 200 | 110 | 225 | 750 | 255 | 1000 | 2218244 | | 2418244 | | | | 1 |
| 110 | 50 | 200 | 110 | 225 | 750 | 255 | 1000 | 2218246 | | 2418246 | | | | 1 |
| 110 | 63 | 200 | 125 | 225 | 750 | 262,5 | 1000 | 2218248 | | 2418248 | | | | 1 |
| 110 | 75 | 200 | 140 | 225 | 750 | 270 | 1000 | 2218250 | | 2418250 | | | | 1 |
| 110 | 90 | 200 | 160 | 225 | 750 | 280 | 1000 | 2218252 | | 2418252 | | | | 1 |
| 125 | 32 | 225 | 90 | 225 | 750 | 257,5 | 1000 | 2218256* | | 2418256* | | 2718256** | | 1 |
| 125 | 40 | 225 | 110 | 225 | 750 | 267,5 | 1000 | 2218258 | | 2418258 | | 2718258** | | 1 |
| 125 | 50 | 225 | 110 | 225 | 750 | 267,5 | 1000 | 2218260 | | 2418260 | | 2718260** | | 1 |
| 125 | 63 | 225 | 125 | 225 | 750 | 275 | 1000 | 2218262 | | 2418262 | | 2718262** | | 1 |
| 125 | 75 | 225 | 140 | 225 | 750 | 282,5 | 1000 | 2218264 | | 2418264 | | 2718264** | | 1 |
| 125 | 90 | 225 | 160 | 225 | 750 | 292,5 | 1000 | 2218266 | | 2418266 | | 2718266** | | 1 |
| 125 | 110 | 225 | 200 | 225 | 750 | 312,5 | 1000 | 2218268 | | 2418268 | | 2718268** | | 1 |
| 160 | 32 | 250 | 90 | 225 | 750 | 270 | 1000 | 2218291* | | 2418291* | | 2718290** | | 1 |
| 160 | 40 | 250 | 110 | 225 | 750 | 280 | 1000 | 2218293 | | 2418293 | | 2718292** | | 1 |
| 160 | 50 | 250 | 110 | 225 | 750 | 280 | 1000 | 2218295 | | 2418295 | | 2718294** | | 1 |
| 160 | 63 | 250 | 125 | 225 | 750 | 287,5 | 1000 | 2218297 | | 2418297 | | 2718296** | | 1 |
| 160 | 75 | 250 | 140 | 225 | 750 | 295 | 1000 | 2218299 | | 2418299 | | 2718298** | | 1 |
| 160 | 90 | 250 | 160 | 225 | 750 | 305 | 1000 | 2218301 | | 2418301 | | 2718300** | | 1 |
| 160 | 110 | 250 | 200 | 225 | 1000 | 325 | 1000 | 2218303 | | 2418303 | | 2718302** | | 1 |
| 160 | 125 | 250 | 225 | 225 | 1000 | 337,5 | 1000 | 2218305 | | 2418305 | | 2718304 | | 1 |

* Branch d2 SDR 9 | ** Branch d2 SDR 11

aquatherm green pipe ti SDR 9 available on request.



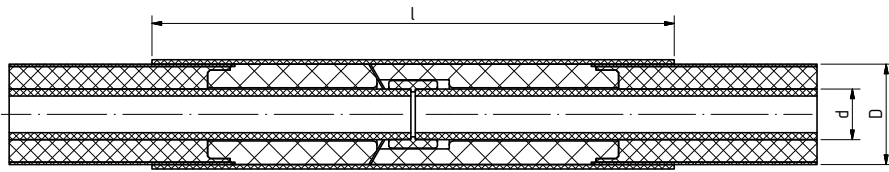
aquatherm ti RED. CROSS-OVER BRANCH

with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | | | | | | | aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ti SDR 11 / *SDR 9 MF RP | aquatherm blue pipe ti SDR 17.6 / SDR 11 MF RP | PU | Box unit | | |
|------------------------------|------------------------------|------------------------------|------------------------------|-----------|-----------|------------|-----------|---|---|---|--------------|-------------|--------------|---|
| d1 Medium pipe [mm] | d2 Medium pipe [mm] | D1 Casing pipe [mm] | D2 Casing pipe [mm] | z [mm] | l [mm] | l1 [mm] | L [mm] | Art. no. | Price € m | Art. no. | Price € m | Art. no. | Price € m | m |
| 200 | 32 | 315 | 90 | 225 | 750 | 302,5 | 1000 | 2218333* | | 2418333* | | 2718332** | | 1 |
| 200 | 40 | 315 | 110 | 225 | 750 | 312,5 | 1000 | 2218335 | | 2418335 | | 2718334** | | 1 |
| 200 | 50 | 315 | 110 | 225 | 750 | 312,5 | 1000 | 2218337 | | 2418337 | | 2718336** | | 1 |
| 200 | 63 | 315 | 125 | 225 | 750 | 320 | 1000 | 2218339 | | 2418339 | | 2718338** | | 1 |
| 200 | 75 | 315 | 140 | 225 | 750 | 327,5 | 1000 | 2218341 | | 2418341 | | 2718340** | | 1 |
| 200 | 90 | 315 | 160 | 225 | 750 | 337,5 | 1000 | 2218343 | | 2418343 | | 2718342** | | 1 |
| 200 | 110 | 315 | 200 | 225 | 1000 | 357,5 | 1000 | 2218345 | | 2418345 | | 2718344** | | 1 |
| 200 | 125 | 315 | 225 | 225 | 1000 | 370 | 1500 | 2218347 | | 2418347 | | 2718346 | | 1 |
| 200 | 160 | 315 | 250 | 225 | 1000 | 382,5 | 1500 | 2218351 | | 2418351 | | 2718350 | | 1 |
| 250 | 32 | 400 | 90 | 225 | 750 | 345 | 1000 | 2218383* | | 2418383* | | 2718382** | | 1 |
| 250 | 40 | 400 | 110 | 225 | 1000 | 355 | 1000 | 2218385 | | 2418385 | | 2718384** | | 1 |
| 250 | 50 | 400 | 110 | 225 | 1000 | 355 | 1000 | 2218387 | | 2418387 | | 2718386** | | 1 |
| 250 | 63 | 400 | 125 | 225 | 1000 | 362,5 | 1000 | 2218389 | | 2418389 | | 2718388** | | 1 |
| 250 | 75 | 400 | 140 | 225 | 1000 | 370 | 1000 | 2218391 | | 2418391 | | 2718390** | | 1 |
| 250 | 90 | 400 | 160 | 225 | 1000 | 380 | 1000 | 2218393 | | 2418393 | | 2718392** | | 1 |
| 250 | 110 | 400 | 200 | 225 | 1000 | 400 | 1000 | 2218395 | | 2418395 | | 2718394** | | 1 |
| 250 | 125 | 400 | 225 | 225 | 1000 | 412,5 | 1000 | 2218397 | | 2418397 | | 2718396 | | 1 |
| 250 | 160 | 400 | 250 | 225 | 1000 | 425 | 1500 | 2218401 | | 2418401 | | 2718400 | | 1 |
| 250 | 200 | 400 | 315 | 225 | 1000 | 457,5 | 1500 | 2218403 | | 2418403 | | 2718402 | | 1 |
| 315 | 32 | 450 | 90 | 225 | 1000 | 370 | 1000 | 2218407* | | | | 2718406** | | 1 |
| 315 | 40 | 450 | 110 | 225 | 1000 | 380 | 1000 | 2218409 | | | | 2718408** | | 1 |
| 315 | 50 | 450 | 110 | 225 | 1000 | 380 | 1000 | 2218411 | | | | 2718410** | | 1 |
| 315 | 63 | 450 | 125 | 225 | 1000 | 387,5 | 1000 | 2218413 | | | | 2718412** | | 1 |
| 315 | 75 | 450 | 140 | 225 | 1000 | 395 | 1000 | 2218415 | | | | 2718414** | | 1 |
| 315 | 90 | 450 | 160 | 225 | 1000 | 405 | 1000 | 2218417 | | | | 2718416** | | 1 |
| 315 | 110 | 450 | 200 | 225 | 1000 | 425 | 1000 | 2218419 | | | | 2718418** | | 1 |
| 315 | 125 | 450 | 225 | 225 | 1000 | 437,5 | 1000 | 2218421 | | | | 2718420 | | 1 |
| 315 | 160 | 450 | 250 | 225 | 1000 | 450 | 1000 | 2218425 | | | | 2718424 | | 1 |
| 315 | 200 | 450 | 315 | 225 | 1000 | 482,5 | 1500 | 2218429 | | | | 2718428 | | 1 |
| 315 | 250 | 450 | 400 | 225 | 1000 | 525 | 1500 | 2218433 | | | | 2718432 | | 1 |
| 355 | 32 | 500 | 90 | 225 | 1000 | 395 | 1000 | 2218437* | | | | 2718436** | | 1 |
| 355 | 40 | 500 | 110 | 225 | 1000 | 405 | 1000 | 2218439 | | | | 2718438** | | 1 |
| 355 | 50 | 500 | 110 | 225 | 1000 | 405 | 1000 | 2218441 | | | | 2718440** | | 1 |
| 355 | 63 | 500 | 125 | 225 | 1000 | 412,5 | 1000 | 2218443 | | | | 2718442** | | 1 |
| 355 | 75 | 500 | 140 | 225 | 1000 | 420 | 1000 | 2218445 | | | | 2718444** | | 1 |
| 355 | 90 | 500 | 160 | 225 | 1000 | 430 | 1000 | 2218447 | | | | 2718446** | | 1 |
| 355 | 110 | 500 | 200 | 225 | 1000 | 450 | 1000 | 2218449 | | | | 2718448** | | 1 |
| 355 | 125 | 500 | 225 | 225 | 1000 | 462,5 | 1000 | 2218451 | | | | 2718450 | | 1 |
| 355 | 160 | 500 | 250 | 225 | 1000 | 475 | 1000 | 2218455 | | | | 2718454 | | 1 |
| 355 | 200 | 500 | 315 | 225 | 1000 | 507,5 | 1000 | 2218459 | | | | 2718458 | | 1 |
| 355 | 250 | 500 | 400 | 225 | 1000 | 550 | 1500 | 2218463 | | | | 2718462 | | 1 |
| 355 | 315 | 500 | 450 | 225 | 1000 | 575 | 1500 | 2218467 | | | | 2718466 | | 1 |

* Branch d2 SDR 9 | ** Branch d2 SDR 11

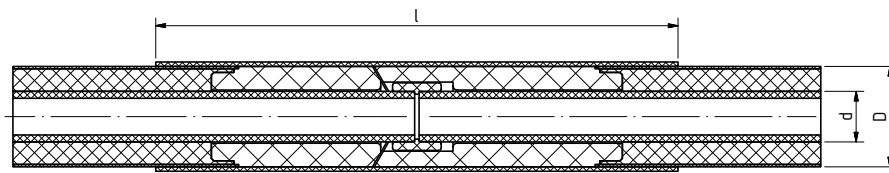
aquatherm green pipe ti SDR 9 available on request.



aquatherm ti SOCKET PLA

Shrink sleeve ready for use, including locking tie with PUR rigid foam elements and accessories for later coating of welded joints
 Colour: black, standard width: 650 mm.

| Outside diameter | | | aquatherm ti | | | |
|--|-----------------------|-----------|----------------|----|----------|---------------|
| Medium pipe d [mm] | Casing pipe D [mm] | l [mm] | Art. no. | PU | Box unit | Price € pc |
| <i>Socket welding: the fitting for the connection of the medium pipes is included in delivery.</i> | | | | | | |
| 32 | 90 | 650 | 2211012 | 1 | | |
| 40 | 110 | 650 | 2211014 | 1 | | |
| 50 | 110 | 650 | 2211016 | 1 | | |
| 63 | 125 | 650 | 2211018 | 1 | | |
| 75 | 140 | 650 | 2211020 | 1 | | |
| 90 | 160 | 650 | 2211022 | 1 | | |
| 110 | 200 | 650 | 2211024 | 1 | | |
| 125 | 225 | 650 | 2211026 | 1 | | |
| <i>Butt welding: no fitting is required for the connection of the medium pipes</i> | | | | | | |
| 160 | 250 | 650 | 2211030 | 1 | | |
| 200 | 315 | 650 | 2211034 | 1 | | |
| 250 | 400 | 650 | 2211038 | 1 | | |

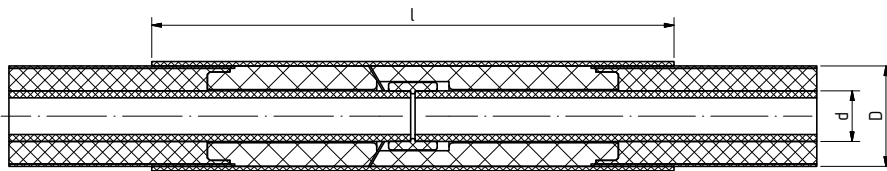


aquatherm ti SOCKET CSC-X

consists of shrink sleeve with PUR-rigid foam insulation elements and accessories, 750 mm total lengths
 Without hot-melt adhesive. Melting adhesive strips and casing melting film (enclosed) have to be applied in a separate step.

| Outside diameter | | | aquatherm ti | | | |
|--|-----------------------|-----------|----------------|----|----------|---------------|
| Medium pipe d [mm] | Casing pipe D [mm] | l [mm] | Art. no. | PU | Box unit | Price € pc |
| <i>Socket welding: the fitting for the connection of the medium pipes is included in delivery.</i> | | | | | | |
| 32 | 90 | 750 | 1211012 | 1 | | |
| 40 | 110 | 750 | 1211014 | 1 | | |
| 50 | 110 | 750 | 1211016 | 1 | | |
| 63 | 125 | 750 | 1211018 | 1 | | |
| 75 | 140 | 750 | 1211020 | 1 | | |
| 90 | 160 | 750 | 1211022 | 1 | | |
| 110 | 200 | 750 | 1211024 | 1 | | |
| 125 | 225 | 750 | 1211026 | 1 | | |
| <i>Butt welding: no fitting is required for the connection of the medium pipes</i> | | | | | | |
| 160 | 250 | 750 | 1211030 | 1 | | |
| 200 | 315 | 750 | 1211034 | 1 | | |
| 250 | 400 | 750 | 1211038 | 1 | | |
| 315 | 450 | 750 | 1211042 | 1 | | |
| 355 | 500 | 750 | 1211044 | 1 | | |

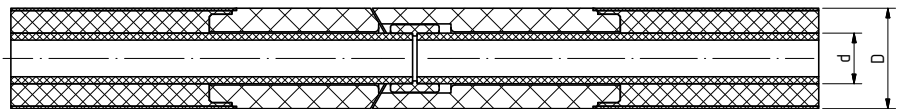
aquatherm ti



aquatherm ti SOCKET WTD

consists of shrink sleeve with PUR-rigid foam insulation elements and accessories, 750 mm total lengths
With hot-melt adhesive. Melting adhesive strips and casing melting film (enclosed) have to be applied in a separate step.

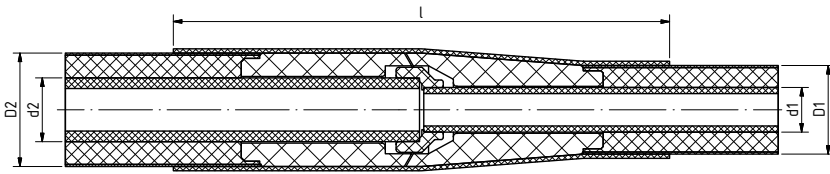
| Outside diameter | | | aquatherm ti | | | |
|--|-----------------------|-----------|----------------|----|----------|---------------|
| Medium pipe d [mm] | Casing pipe D [mm] | l [mm] | Art. no. | PU | Box unit | Price € pc |
| <i>Socket welding: the fitting for the connection of the medium pipes is included in delivery.</i> | | | | | | |
| 32 | 90 | 600 | 2211011 | 1 | | |
| 40 | 110 | 600 | 2211013 | 1 | | |
| 50 | 110 | 600 | 2211015 | 1 | | |
| 63 | 125 | 600 | 2211017 | 1 | | |
| 75 | 140 | 600 | 2211019 | 1 | | |
| 90 | 160 | 600 | 2211021 | 1 | | |
| 110 | 200 | 600 | 2211023 | 1 | | |
| 125 | 225 | 600 | 2211025 | 1 | | |
| <i>Butt welding: no fitting is required for the connection of the medium pipes</i> | | | | | | |
| 160 | 250 | 600 | 2211029 | 1 | | |
| 200 | 315 | 600 | 2211033 | 1 | | |
| 250 | 400 | 600 | 2211037 | 1 | | |
| 315 | 450 | 600 | 2211041 | 1 | | |
| 355 | 500 | 600 | 2211043 | 1 | | |



aquatherm ti INSULATION-SOCKET-SET

Consists of PUR-rigid foam elements and a fitting (socket up to 125 mm) depending on the dimension.
Required accessories for the installation: Mono Top 40 insulating tape and primer (p. 93)

| Outside diameter | | aquatherm ti | | | |
|--|-----------------------|----------------|----|----------|---------------|
| Medium pipe d [mm] | Casing pipe D [mm] | Art. no. | PU | Box unit | Price € pc |
| <i>Socket welding: the fitting for the connection of the medium pipes is included in delivery.</i> | | | | | |
| 32 | 90 | 2411012 | 1 | | |
| 40 | 110 | 2411014 | 1 | | |
| 50 | 110 | 2411016 | 1 | | |
| 63 | 125 | 2411018 | 1 | | |
| 75 | 140 | 2411020 | 1 | | |
| 90 | 160 | 2411022 | 1 | | |
| 110 | 200 | 2411024 | 1 | | |
| 125 | 225 | 2411026 | 1 | | |
| <i>Butt welding: no fitting is required for the connection of the medium pipes</i> | | | | | |
| 160 | 250 | 2411030 | 1 | | |
| 200 | 315 | 2411034 | 1 | | |
| 250 | 400 | 2411038 | 1 | | |
| 315 | 450 | 2411042 | 1 | | |
| 355 | 500 | 2411044 | 1 | | |



aquatherm ti REDUCING SOCKET

consists of shrink sleeve with PUR-rigid foam insulation elements, fitting depending on dimension and accessories, 900 mm total lengths

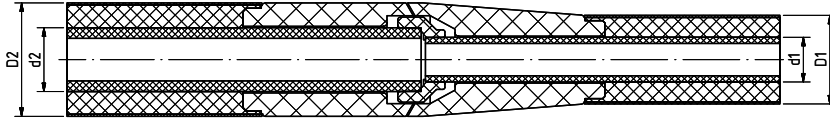
| Outside diameter | | | | | aquatherm green pipe ti | | PU | Box unit |
|---------------------------|---------------------------|---------------------------|---------------------------|-----------|-------------------------|---------------|----|----------|
| d2 Medium pipe [mm] | d1 Medium pipe [mm] | D1 Casing pipe [mm] | D2 Casing pipe [mm] | l [mm] | Art. no. | Price € pc | | |
| 40 | 32 | 90 | 110 | 900 | 1211222 | | 1 | |
| 50 | 32 | 90 | 110 | 900 | 1211228 | | 1 | |
| 50 | 40 | 110 | 110 | 900 | 1211230 | | 1 | |
| 63 | 40 | 110 | 125 | 900 | 1211236 | | 1 | |
| 63 | 50 | 110 | 125 | 900 | 1211238 | | 1 | |
| 75 | 50 | 110 | 140 | 900 | 1211240 | | 1 | |
| 75 | 63 | 125 | 140 | 900 | 1211242 | | 1 | |
| 90 | 63 | 125 | 160 | 900 | 1211252 | | 1 | |
| 90 | 75 | 140 | 160 | 900 | 1211253 | | 1 | |
| 110 | 75 | 140 | 200 | 900 | 1211257 | | 1 | |
| 110 | 90 | 160 | 200 | 900 | 1211259 | | 1 | |
| 125 | 90 | 160 | 225 | 900 | 1211263 | | 1 | |
| 125 | 110 | 200 | 225 | 900 | 1211265 | | 1 | |

Socket welding: up to 125 x 110 mm, than one-sided socket- and one-sided butt welding

| Outside diameter | | | | | aquatherm green pipe ti SDR 9 | aquatherm blue pipe ti SDR 11 | aquatherm blue pipe ti SDR 17.6 | PU | Box unit | | | |
|---------------------------|---------------------------|---------------------------|---------------------------|-----------|----------------------------------|----------------------------------|------------------------------------|-----------------|----------|-----------------|---|--|
| d2 Medium pipe [mm] | d1 Medium pipe [mm] | D1 Casing pipe [mm] | D2 Casing pipe [mm] | l [mm] | Art. no. | Price € m/pc | Art. no. | Price € m/pc | Art. no. | Price € m/pc | | |
| 160 | 110 | 200 | 250 | 900 | 1311274 | | 2211275 | | 2711274 | | 1 | |
| 160 | 125 | 225 | 250 | 900 | 1311276 | | 2211277 | | 2711276 | | 1 | |
| 200 | 125 | 225 | 315 | 900 | 1311282 | | 2211283 | | 2711282 | | 1 | |

Double-sided butt welding

| | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----------|--|---------|--|---------|--|---|--|
| 200 | 160 | 250 | 315 | 900 | 1311284 | | 2211285 | | 2711284 | | 1 | |
| 250 | 160 | 250 | 400 | 900 | 1311288 ◆ | | 2211289 | | 2711288 | | 1 | |
| 250 | 200 | 315 | 400 | 900 | 1311290 ◆ | | 2211291 | | 2711290 | | 1 | |
| 315 | 200 | 315 | 450 | 900 | 1311296 ◆ | | 2211297 | | 2711296 | | 1 | |
| 315 | 250 | 400 | 450 | 900 | 1311298 ◆ | | 2211299 | | 2711298 | | 1 | |
| 355 | 250 | 400 | 500 | 900 | 1311304 ◆ | | 2211305 | | 2711304 | | 1 | |
| 355 | 315 | 450 | 500 | 900 | 1311306 ◆ | | 2211307 | | 2711306 | | 1 | |



aquatherm ti INSULATION-REDUCING SOCKET-SET

consists of PUR-rigid foam elements and fitting. Required accessories: Mono Top 40 insulating tape and primer

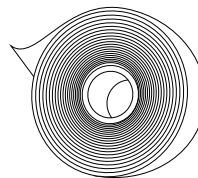
| Outside diameter | | | | aquatherm ti | | PU | Box unit |
|--|---------|---------|---------|--------------|------------|----|----------|
| d2 [mm] | d1 [mm] | D1 [mm] | D2 [mm] | Art. no. | Price € pc | | |
| <i>Socket welding: up to 125 x 110 mm, than one-sided socket- and one-sided butt welding</i> | | | | | | | |
| 40 | 32 | 90 | 110 | 2411222 | | 1 | |
| 50 | 32 | 90 | 110 | 2411228 | | 1 | |
| 50 | 40 | 110 | 110 | 2411230 | | 1 | |
| 63 | 40 | 110 | 125 | 2411236 | | 1 | |
| 63 | 50 | 110 | 125 | 2411238 | | 1 | |
| 75 | 50 | 110 | 140 | 2411240 | | 1 | |
| 75 | 63 | 125 | 140 | 2411242 | | 1 | |
| 90 | 63 | 125 | 160 | 2411252 | | 1 | |
| 90 | 75 | 140 | 160 | 2411253 | | 1 | |
| 110 | 75 | 140 | 200 | 2411257 | | 1 | |
| 110 | 90 | 160 | 200 | 2411259 | | 1 | |
| 125 | 90 | 160 | 225 | 2411263 | | 1 | |
| 125 | 110 | 200 | 225 | 2411265 | | 1 | |

| Outside diameter | | | | aquatherm blue pipe ti SDR 11 | aquatherm blue pipe ti SDR 17,6 | PU | Box unit | |
|----------------------------------|---------|---------|---------|-------------------------------|---------------------------------|---------|----------|----------|
| d2 [mm] | d1 [mm] | D1 [mm] | D2 [mm] | Art. no. | Price € pc | | | Art. no. |
| 160 | 110 | 200 | 250 | 2411275 | | 2711275 | | 1 |
| 160 | 125 | 225 | 250 | 2411277 | | 2711277 | | 1 |
| 200 | 125 | 225 | 315 | 2411283 | | 2711283 | | 1 |
| <i>Double-sided butt welding</i> | | | | | | | | |
| 200 | 160 | 250 | 315 | 2411285 | | 2711285 | | 1 |
| 250 | 160 | 250 | 400 | 2411289 | | 2711289 | | 1 |
| 250 | 200 | 315 | 400 | 2411291 | | 2711291 | | 1 |
| 315 | 200 | 315 | 450 | 2411297 | | 2711297 | | 1 |
| 315 | 250 | 400 | 450 | 2411299 | | 2711299 | | 1 |
| 355 | 250 | 400 | 500 | 2411305 | | 2711305 | | 1 |
| 355 | 315 | 450 | 500 | 2411307 | | 2711307 | | 1 |

aquatherm ti MONO TOP 40 INSULATION TAPE

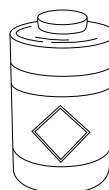
for post-insulation of connections with the aquatherm insulation-socket set

| Art. no. | Wide [mm] | Length [m] | PU | Box unit | Price € m/pc |
|----------|-----------|------------|----|----------|--------------|
| 2411000 | 50 | 15 | 1 | | |
| 2411001 | 100 | 15 | 1 | | |



aquatherm ti PRIMER

| Art. no. | Amount | PU | Box unit | Price € m/pc |
|----------|---------|----|----------|--------------|
| 2411002 | 1 Liter | 1 | | |



aquatherm ti CLOSING COLLAR

Collar for closing the PUR-insulating layer from casing pipe to medium

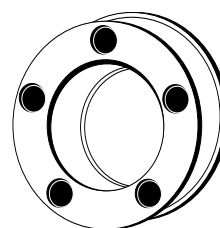
| Outside diameter | | aquatherm ti | | | |
|------------------|------------------|--------------|----|----------|------------|
| Medium pipe [mm] | Casing pipe [mm] | Art. no. | PU | Box unit | Price € pc |
| 32 | 90 | 1214112 | 1 | | |
| 40 – 50 | 110 | 1214114 | 1 | | |
| 63 – 75 | 125 – 140 | 1214118 | 1 | | |
| 90 | 160 | 1214122 | 1 | | |
| 110 | 200 | 1214124 | 1 | | |
| 125 | 225 | 1214126 | 1 | | |
| 160 | 250 | 1214130 | 1 | | |
| 200 | 315 | 1214134 | 1 | | |
| 250 | 400 | 1214138 | 1 | | |
| 315/355 | 450/500 | 1214142 | 1 | | |



aquatherm ti COMPACT SEALS

Pipe collar for wall duct.

| Outside diameter | | | aquatherm ti | | | |
|----------------------|------------------|------------------|--------------|----|----------|------------|
| Core drill hole [mm] | Medium pipe [mm] | Casing pipe [mm] | Art. no. | PU | Box unit | Price € pc |
| 150 | 32 | 90 | 1214212 | 1 | | |
| 200 | 50 | 110 | 1214214 | 1 | | |
| 200 | 63 | 125 | 1214218 | 1 | | |
| 200 | 75 | 140 | 1214220 | 1 | | |
| 250 | 90 | 160 | 1214222 | 1 | | |
| 300 | 110 | 200 | 1214224 | 1 | | |
| 350 | 125 | 225 | 1214226 | 1 | | |
| 350 | 160 | 250 | 1214230 | 1 | | |
| 400 | 200 | 315 | 1214234 | 1 | | |
| 500 | 250 | 400 | 1214238 | 1 | | |
| 550 | 315 | 450 | 1214242 | 1 | | |
| 600 | 355 | 500 | 1214244 | 1 | | |

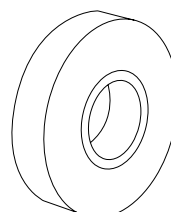


aquatherm ti WARNING TAPE

| Art. no. | Width [mm] | PU | Box unit | Price € pc |
|----------|------------|-------|----------|------------|
| 50191 | 40 | 250 m | | |

Colour: yellow

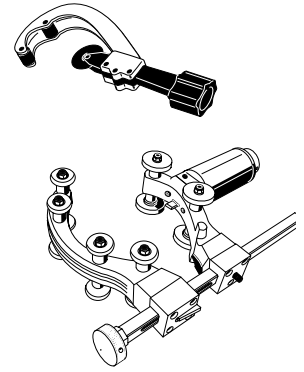
Printing in black: "Attention district heating pipeline"



Important: Do not cut the aquatherm pipes with customary hack saws.
aquatherm pipes can be cut with customary saws equipped with saw blades suitable for plastic.

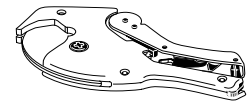
PIPE CUTTER

| Art. no. | for pipe dimensions | PU | Box unit | Price € pc |
|----------|---------------------|----|----------|---------------|
| 50102 | 16-40mm | 1 | | |
| 50105 | 50-125mm | 1 | | |
| 50106 | 63-200mm | 1 | | |



PIPE CUTTER

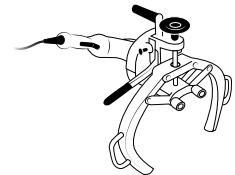
| Art. no. | for pipe dimensions | PU | Box unit | Price € pc |
|----------|---------------------|----|----------|---------------|
| 50104 | 16-40mm | 1 | | |



ORBITAL CIRCULAR SAW

| Art. no. | for pipe dimensions | PU | Box unit | Price € pc |
|----------|---------------------|----|----------|---------------|
| 50108 | 160-355mm | 1 | | |

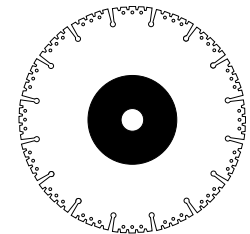
This orbital circular saw can be ordered directly from Rothenberger with Art. no. 55620 (www.rothenberger.com).
High-performance orbital circular saw for fast, precise, perfectly aligned and right-angled cutting of plastic pipes 160 – 355 mm at the building site or in the workshop.



CUTTING DISC FOR PLASTIC

| Art. no. | Dimension | borehole | PU | Box unit | Price € pc |
|----------|-----------|----------|----|----------|---------------|
| 50107 | ø 125mm | 22,2 mm | 1 | | |
| 50109 | ø 230mm | 22,2 mm | 1 | | |

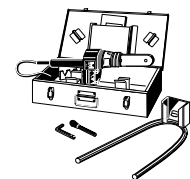
Application: for each angle grinder
Design: diamant galvanized cutting disc



MANUAL WELDING DEVICE (500 W)

| Art. no. | for pipe dimensions | PU | Box unit | Price € pc |
|----------|---------------------|----|----------|---------------|
| 50336 | ø 16-32mm | 1 | | |

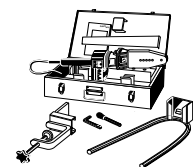
for one tool, with base and case for tools
Also available: 110 V (Art. no. 450336)



MANUAL WELDING DEVICE (800 W)

| Art. no. | for pipe dimensions | PU | Box unit | Price € pc |
|----------|---------------------|----|----------|---------------|
| 50337 | ø 16-63mm | 1 | | |

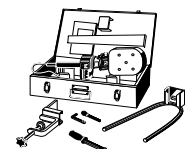
Also available: 110 V (Art. no. 450337)



MANUAL WELDING DEVICE (1400 W)

| Art. no. | for pipe dimensions | PU | Box unit | Price € pc |
|----------|---------------------|----|----------|---------------|
| 50341 | ø 50-125mm | 1 | | |

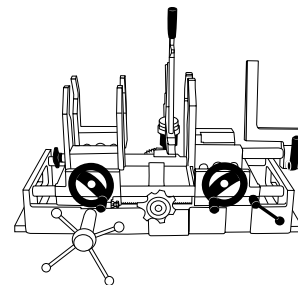
Also available: 110 V (Art. no. 450341)



WELDING MACHINE (1400 W)

| Art. no. | for pipe dimensions | PU | Box unit | Price € pc |
|--------------|---------------------|----|----------|---------------|
| 50148 | ø 50-125 mm - 230 V | 1 | | |

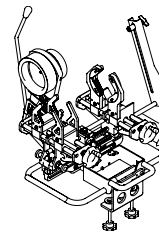
including welding tools 50 – 125 mm, roll stand and wooden transport case
Also available: 110 V (Art. no. 450148)



WELDING MACHINE (1400 W) LIGHT

| Art. no. | for pipe dimensions | PU | Box unit | Price € pc |
|--------------|---------------------|----|----------|---------------|
| 50145 | ø 63-125mm | 1 | | |

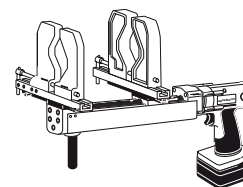
including manual welding device (1400 W) and wooden transport case
Also available: 110 V (Art. no. 450145)



ELECTRIC WELDING JIG

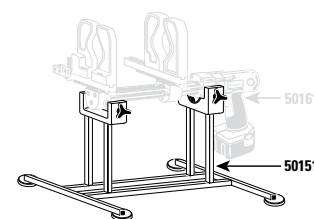
| Art. no. | for pipe dimensions | Weight [kg] | PU | Box unit | Price € pc |
|--------------|---------------------|-------------|----|----------|---------------|
| 50161 | 63-125mm | 24,000 | 1 | | |

including standby accumulator, charging station and metal case
Also available: 110 V (Art. no. 450159)



BASE FOR ART. NO. 50159

| Art. no. | Dimension | PU | Box unit | Price € pc |
|--------------|-----------|----|----------|---------------|
| 50151 | | 1 | | |



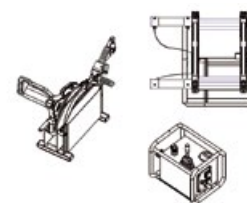
BUTT-WELDING MACHINE-TWO-RING-MACHINE WIDOS

| Art. no. | Dimension [mm] | Weight [kg] | PU | Box unit | Price € pc |
|---------------|----------------|-------------|----|----------|---------------|
| 50350* | ø 160 - 250 | 154,000 | 1 | | |
| 50351* | ø 160 - 315 | 178,000 | 1 | | |

The butt-welding-two-ring machine can be purchased directly from Widos (www.widos.de)

Two-ring machine for pipes 160 – 355 mm available on request

* Also available in design with 110 volt (Art. no. 450350 = ø 160 – 250 mm / 450351 = ø 160 – 315 mm)



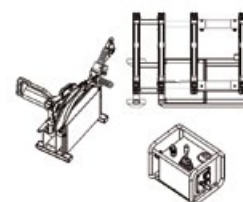
BUTT WELDING MACHINE WIDOS

| Art. no. | Dimension | Weight [kg] | PU | Box unit | Price € pc |
|----------------|-------------|-------------|----|----------|---------------|
| 50352* | ø 160-250mm | 195,000 | 1 | | |
| 50353* | ø 160-315mm | 250,000 | 1 | | |
| 50354* | ø 160-355mm | 425,000 | 1 | | |
| 50355* | ø 200-450mm | 430,000 | 1 | | |
| 50356** | ø 200-500mm | 500,000 | 1 | | |
| 50357** | ø 315-630mm | 885,000 | 1 | | |

The butt-welding-machine can be purchased directly from Widos (www.widos.de)

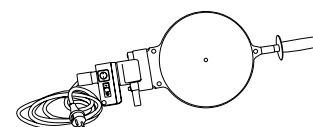
* Also available in design with 110 volt (Art. no. 450352 = ø 160 – 250 mm / 450353 = ø 160 – 315 mm / 450354 = ø 160 – 355 mm / 450355 = ø 200 – 450 mm)

** special voltage on demand



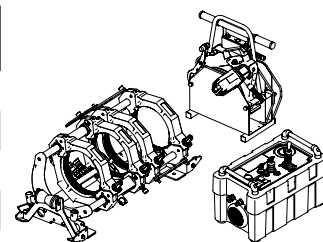
MANUAL WELDING DEVICE (1500 W) FOR SADDLE WELDING Ø 50 – 160 MM

| Art. no. | for pipe dimensions | PU | Box unit | Price € pc |
|--------------|---------------------|----|----------|---------------|
| 50330 | ø 50-160mm | 1 | | |



BUTT WELDING MACHINE RITMO

| Art. no. | for pipe dimensions | Weight [kg] | PU | Box unit | Price € pc |
|----------|---------------------|-------------|----|----------|------------|
| 50165* | ø 160-250mm | 176,500 | 1 | | |
| 50166* | ø 160-315mm | 160,000 | 1 | | |
| 50177 | ø 160-355mm | 336,500 | 1 | | |
| 50169 | ø 400-630mm | 710,000 | 1 | | |



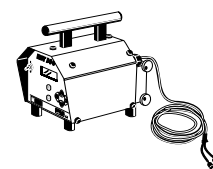
including wooden transport box. The butt welding machine can be obtained directly from Ritmo (www.ritmo.it)

* Also available: 110 V (Art. no. 450165 for ø 160 – 250 mm / Art. no. 450166 for ø 160 – 315 mm)

Two-ring machine for pipes 160 – 355 mm available on request

ELECTROFUSION DEVICE

| Art. no. | for pipe dimensions | PU | Box unit | Price € pc |
|----------|---------------------|----|----------|------------|
| 50175 | ø 20-250mm | 1 | | |

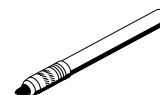


For processing with electro-fusion-sockets Art. no. 17208 – 17238.

Special calibration-tools – obtainable on request – are required

TEMPERATURE PENCIL

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-----------|----|----------|------------|
| 50190 | | 1 | | |



to check the correct welding temperature

SURFACE THERMOMETER

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-----------|----|----------|------------|
| 50188 | | 1 | | |



to check the correct welding temperature

TEMPERATURE PREDECTIVE GLOVE

for tool change

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-----------|----|----------|------------|
| 50195 | | 2 | | |



CLEANING WIPES

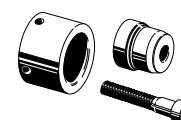
| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|----------------|----|----------|------------|
| 50193 | Box/100 towels | 1 | | |



for electrofusion sockets

WELDING TOOLS

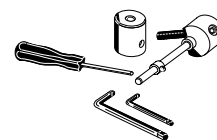
| Art. no. | Dimension [mm] | PU | Box unit | Price € pc |
|----------|----------------|----|----------|------------|
| 50206 | 16 | 1 | | |
| 50208 | 20 | 1 | | |
| 50210 | 25 | 1 | | |
| 50212 | 32 | 1 | | |
| 50214 | 40 | 1 | | |
| 50216 | 50 | 1 | | |
| 50218 | 63 | 1 | | |
| 50220 | 75 | 1 | | |
| 50222 | 90 | 1 | | |
| 50224 | 110 | 1 | | |
| 50226 | 125 | 1 | | |



REPAIR SET

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-----------|----|----------|---------------|
| 50307 | 7mm | 1 | | |
| 50311 | 11mm | 1 | | |

to close holes of up to 10 mm in the pipe (pipe repair stick Art. no. 60600)



PIPE REPAIR STICK

for pipe repairs

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-----------|----|----------|---------------|
| 60600 | 7/11mm | 10 | | |



aquatherm UNIVERSAL PEELING TOOLS

for aquatherm green pipe MF UV, aquatherm green pipe MF RP UV, aquatherm blue pipe MF RP UV and aquatherm blue pipe MF OT

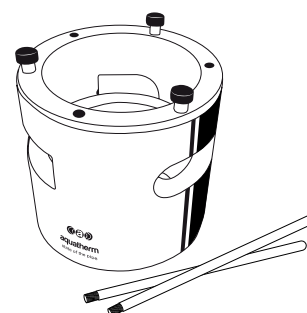


Required for the socket welding

(in combination with socket welding fittings from page 25 onwards, e.g. sockets, elbows, T-pieces, transition pieces with thread)

Also suitable for manual peeling (bolts included)

| Art. no. | Dimension [mm] | PU | Box unit | Price € pc |
|----------|------------------------------|----|----------|---------------|
| 50479 | 20 | 1 | | |
| 50480 | 25 | 1 | | |
| 50481 | 32 | 1 | | |
| 50482 | 40 | 1 | | |
| 50483 | 50 | 1 | | |
| 50484 | 63 | 1 | | |
| 50485 | 75 | 1 | | |
| 50486 | 90 | 1 | | |
| 50487 | 110 | 1 | | |
| 50488 | 125 | 1 | | |
| 50501 | Spare blade with screw (Set) | 1 | | |



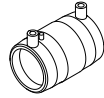
incl. bolts
for manual peeling

not suitable for aquatherm green pipe S, aquatherm blue pipe S, aquatherm green pipe MF, aquatherm green pipe MF RP, aquatherm green pipe TI, aquatherm blue pipe RP TI

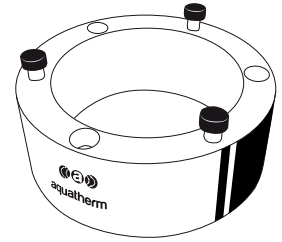
S = single, **MF** = multi-layer fibre, **OT** = oxygen-tight, **UV** = UV-resistant, **TI** = thermal insulation, **RP** = raised pressure

aquatherm EXTENSION FOR UNIVERSAL PEELING TOOL

Required for the electrofusion socket welding (aquatherm electrofusion sockets on page 53)



When electrofusion welding a longer welding depth is required, which is achieved by the combination of the universal peeling tool and the extension for the universal peeling tool (e.g. Art. no. 50479+50489)

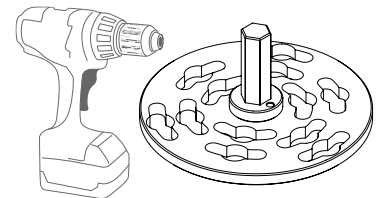


| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|--|----|----------|------------|
| 50489 | for peeling tool 20 mm Art. no. 50479 | 1 | | |
| 50490 | for peeling tool 25 mm Art. no. 50480 | 1 | | |
| 50491 | for peeling tool 32 mm Art. no. 50481 | 1 | | |
| 50492 | for peeling tool 40 mm Art. no. 50482 | 1 | | |
| 50493 | for peeling tool 50 mm Art. no. 50483 | 1 | | |
| 50494 | for peeling tool 63 mm Art. no. 50484 | 1 | | |
| 50495 | for peeling tool 75 mm Art. no. 50485 | 1 | | |
| 50496 | for peeling tool 90 mm Art. no. 50486 | 1 | | |
| 50497 | for peeling tool 110 mm Art. no. 50487 | 1 | | |
| 50498 | for peeling tool 125 mm Art. no. 50488 | 1 | | |

ATTACHMENT PLATE FOR UNIVERSAL PEELING TOOL

In combination with or without extension for universal peeling tools for drilling machine

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|--|----|----------|------------|
| 50499 | for universal peeling tool 50479 – 50484 | 1 | | |
| 50500 | for universal peeling tool 50485 – 50488 | 1 | | |



Delivery without drilling machine!

UNIVERSAL PEELING TOOL-SET

20 – 63 mm

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|------------------|----|----------|------------|
| 50477 | for ø 20 – 63 mm | 1 | | |

consisting of:

- 1x case
- Each 1x 50479 – 50484 peeling tool 20 – 63 mm
- 1x 50499 attachment plate for universal peeling tool 50479 – 50484
- 1x 50503 1 toggle-set
- 1x 50504 torx wrench
- 1x 50505 hexagon Allen key size 4
- 6x 99793 6 fixing screws for Art. no. 50489 – 50494 M5x25



UNIVERSAL PEELING TOOL-SET

75 – 125 mm

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-------------------|----|----------|------------|
| 50478 | for ø 75 - 125 mm | 1 | | |

consisting of:

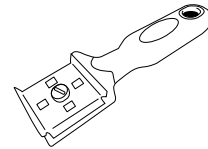
- 1 x case
- Each 1x 50485 – 50488 peeling tool 75 – 125 mm
- 1x 50500 attachment plate for universal peeling tool 50485 – 50488
- 1x 50503 1 toggle-set
- 1x 50504 torx wrench
- 1x 50505 hexagon Allen key size 4
- 6x 99794 6 fixing screws for Art. no. 50495 – 50498 M5x35



MANUAL SCRAPER FOR aquatherm blue pipe OT PIPES

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-------------------------------|----|----------|------------|
| 50509 | with 4-fold blade, 35 mm wide | 1 | | |

For removal of OT-coat before butt-welding.
In addition the manual scraper can be used for removal of oxid coating for the E-socket welding.



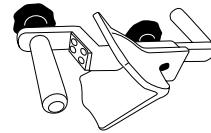
SPARE BLADE SET FOR ART. NO. 50509

| Art. no. | Dimension | PU | Box unit | Price € Set |
|----------|------------------|----|----------|-------------|
| 99909 | 2 pieces = 1 set | 1 | | |

CHAMFERING TOOL FOR aquatherm blue pipe OT AND UV PIPES

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|---------------------|----|----------|------------|
| 50510 | Anfasgerät 32-250mm | 1 | | |

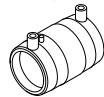
For removing the OT-layer before the butt-welding process and for breaking the edges of the blue pipe for processing the push-fit adapter and push-fit coupling.



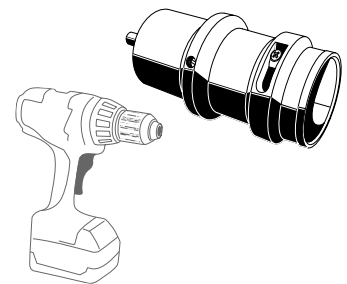
aquatherm PEELING TOOLS FOR ELECTROFUSION SOCKET WELDING (ART. NO.17208 – 17238)

for aquatherm green pipe S, aquatherm green pipe MF, aquatherm green pipe MF RP, aquatherm green pipe MF TI, aquatherm blue pipe S RP, aquatherm blue pipe MF RP and aquatherm blue pipe MF RP TI

Required to remove the **oxid coating**
(aquatherm electrofusion sockets on page 53)



| Art. no. | Dimension [mm] | PU | Box unit | Price € pc |
|---|----------------|----|----------|------------|
| <i>In combination with a drilling machine</i> | | | | |
| 50558 | 20 | 1 | | |
| 50560 | 25 | 1 | | |
| 50562 | 32 | 1 | | |
| 50564 | 40 | 1 | | |
| 50566 | 50 | 1 | | |
| 50568 | 63 | 1 | | |
| 50570 | 75 | 1 | | |
| 50572 | 90 | 1 | | |



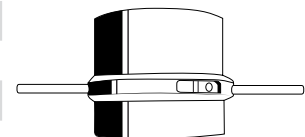
Art. no. 50558 – 50572

In combination with a drilling machine (not included!)

| | | | | |
|-------|-------------|---|--|--|
| 50440 | spare blade | 1 | | |
|-------|-------------|---|--|--|

For manual peeling

| | | | | |
|-------|-----|---|--|--|
| 50574 | 110 | 1 | | |
| 50576 | 125 | 1 | | |
| 50580 | 160 | 1 | | |

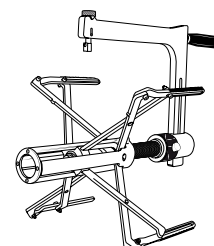


Art. no. 50574 – 50580

| | | | | |
|-------|-------------|---|--|--|
| 50441 | spare blade | 1 | | |
|-------|-------------|---|--|--|

For manual peeling

| | | | | |
|-------|-------------|---|--|--|
| 50592 | 200 + 250 | 1 | | |
| 99739 | spare blade | 1 | | |



Art. no. 50592

Not suitable for aquatherm green pipe UV, aquatherm green pipe MF RP UV, aquatherm blue pipe MF RP UV and aquatherm blue pipe MF RP OT

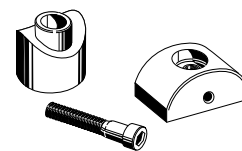
S = single, **MF** = multi-layer fibre, **OT** = oxygen-tight, **UV** = UV-resistant, **TI** = thermal insulation, **RP** = raised pressure

Spare parts such as blades can be requested under service@aquatherm.de

SADDLE WELDING TOOLS

for welding saddles

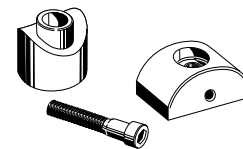
| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-------------|----|----------|---------------|
| 50614 | 40x20/25mm | 1 | | |
| 50616 | 50x20/25mm | 1 | | |
| 50619 | 63x20/25mm | 1 | | |
| 50620 | 63x32mm | 1 | | |
| 50623 | 75x20/25mm | 1 | | |
| 50624 | 75x32mm | 1 | | |
| 50625 | 75x40mm | 1 | | |
| 50627 | 90x20/25mm | 1 | | |
| 50628 | 90x32mm | 1 | | |
| 50629 | 90x40mm | 1 | | |
| 50631 | 110x20/25mm | 1 | | |
| 50632 | 110x32mm | 1 | | |
| 50634 | 110x40mm | 1 | | |
| 50635 | 110x50mm | 1 | | |
| 50636 | 125x20/25mm | 1 | | |
| 50638 | 125x32mm | 1 | | |
| 50640 | 125x40mm | 1 | | |
| 50642 | 125x50mm | 1 | | |
| 50644 | 125x63mm | 1 | | |
| 50648 | 160x20/25mm | 1 | | |
| 50650 | 160x32mm | 1 | | |
| 50652 | 160x40mm | 1 | | |
| 50654 | 160x50mm | 1 | | |
| 50656 | 160x63mm | 1 | | |
| 50657 | 160x75mm | 1 | | |
| 50658 | 160x90mm | 1 | | |
| 50660 | 200x20/25mm | 1 | | |
| 50662 | 200x32mm | 1 | | |
| 50664 | 200x40mm | 1 | | |
| 50666 | 200x50mm | 1 | | |
| 50667 | 200x75mm | 1 | | |
| 50668 | 200x63mm | 1 | | |
| 50669 | 200x90mm | 1 | | |
| 50670 | 200x110mm | 1 | | |
| 50671 | 200x125mm | 1 | | |
| 50672 | 250x20/25mm | 1 | | |
| 50674 | 250x32mm | 1 | | |
| 50676 | 250x40mm | 1 | | |
| 50678 | 250x50mm | 1 | | |
| 50680 | 250x63mm | 1 | | |
| 50682 | 250x75mm | 1 | | |



SADDLE WELDING TOOLS

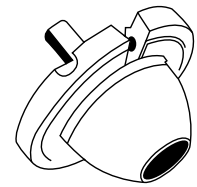
for welding saddles

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|---------------|----|----------|---------------|
| 50684 | 250x90mm | 1 | | |
| 50686 | 250x110mm | 1 | | |
| 50688 | 250x125mm | 1 | | |
| 50690 | 315x63mm | 1 | | |
| 50692 | 315x75mm | 1 | | |
| 50694 | 315x90mm | 1 | | |
| 50696 | 315x110mm | 1 | | |
| 50698 | 315x125mm | 1 | | |
| 50699 | 315x160mm | 1 | | |
| 50712 | 355x63mm | 1 | | |
| 50714 | 355x75mm | 1 | | |
| 50716 | 355x90mm | 1 | | |
| 50718 | 355x110mm | 1 | | |
| 50720 | 355x125mm | 1 | | |
| 50722 | 355x160mm | 1 | | |
| 50726 | 400-630x63mm | 1 | | |
| 50728 | 400-500x75mm | 1 | | |
| 50730 | 630x75mm | 1 | | |
| 50732 | 400-500x90mm | 1 | | |
| 50734 | 630x90mm | 1 | | |
| 50736 | 400-450x110mm | 1 | | |
| 50738 | 500x110mm | 1 | | |
| 50740 | 630x110mm | 1 | | |
| 50742 | 400x125mm | 1 | | |
| 50744 | 450-500x125mm | 1 | | |
| 50746 | 630x125mm | 1 | | |



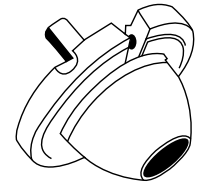
SADDLE PEELING TOOLS FOR OT UND UV PIPES Ø 50 – 125 mm

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|--------------------------------|----|----------|------------|
| 50921 | for welding saddles 20 & 25 mm | 1 | | |
| 50922 | for ø 32 mm | 1 | | |
| 50924 | for ø 40 mm | 1 | | |
| 50926 | for ø 50 mm | 1 | | |
| 50928 | for ø 63 mm | 1 | | |



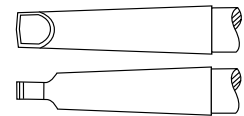
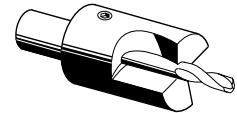
SADDLE PEELING TOOLS FOR OT UND UV PIPES Ø 160 – 250 mm

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|----------------------------------|----|----------|------------|
| 50421 | for welding saddles ø 20 & 25 mm | 1 | | |
| 50422 | for welding saddles ø 32 mm | 1 | | |
| 50424 | for welding saddles ø 40 mm | 1 | | |
| 50426 | for welding saddles ø 50 mm | 1 | | |
| 50428 | for welding saddles ø 63 mm | 1 | | |



DRILLS for installation of weld-in saddles

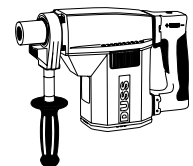
| Art. no. | Dimension | PU | Box unit | Price € m/pc |
|----------|--------------------|----|----------|--------------|
| 50940 | 20&25mm (40-160mm) | 1 | | |
| 50941 | 20&25mm (63-250mm) | 1 | | |
| 50942 | 32mm | 1 | | |
| 50944 | 40mm | 1 | | |
| 50946* | 50mm | 1 | | |
| 50948* | 63mm | 1 | | |



* may only be used in fixed drilling machines!

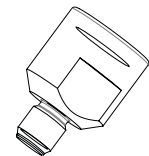
DRILL DUSS DIA303

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-----------|----|----------|------------|
| 50978 | | 1 | | |



CHUCK ADAPTER FOR ART. NO. 50971

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-----------|----|----------|------------|
| 50969 | | 1 | | |



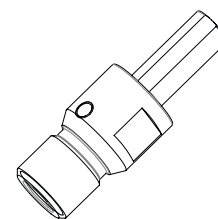
KEYLESS CHUCK clamping range 1,5 – 13mm

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-----------|----|----------|------------|
| 50971 | | 1 | | |



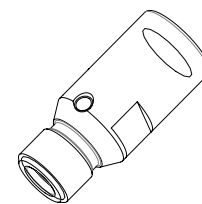
HOLE SAW HOLDER LSA3

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|----------------------|----|----------|---------------|
| 50976 | 1/2" for drill chuck | 1 | | |



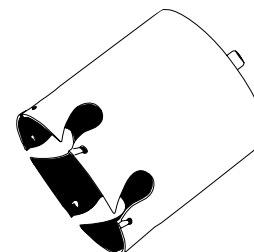
HOLE SAW HOLDER LSA2

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|------------------------|----|----------|---------------|
| 50974 | 1/2" for DUSS-machines | 1 | | |



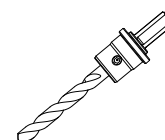
SADDLE-HOLE SAW FOR BRANCH *for assembly of weld-in saddles*

| Art. no. | Dimension | Required items | PU | Box unit | Price € pc |
|----------|-----------|----------------|----|----------|---------------|
| 50987 | 75mm | 50973 | 1 | | |
| 50988 | 90mm | 50973 | 1 | | |
| 50989 | 110mm | 50975 & 50976 | 1 | | |
| 50990 | 125mm | 50975 & 50976 | 1 | | |
| 50991 | 160mm | 50975 & 50976 | 1 | | |



QUICK CHANGE ADAPTER 75 – 90MM

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|----------------------------|----|----------|---------------|
| 50973 | for Art. no. 50987 – 50988 | 1 | | |



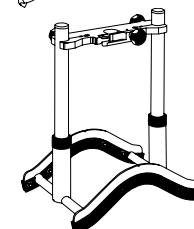
CENTER DRILL LSZ 1

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|---------------------|----|----------|---------------|
| 50975 | with capture sleeve | 1 | | |



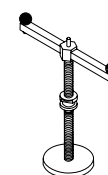
DRILL RIG FOR DUSS-DRILL

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-----------|----|----------|---------------|
| 50977 | | 1 | | |



WELDING FIXTURE FOR DRILL RIG 50977

| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|-----------|----|----------|---------------|
| 50979 | | 1 | | |



HOLE SAW SYSTEM

The diagram illustrates the Hole Saw System components and their assembly. It shows a cross-section of the hole saw holder (Art. no. 50974) and the hole saw (Art. no. 50975) inserted into it. The holder is shown in two configurations: one with a capture sleeve (Art. no. 50976) and one without. The holder is also shown in two different sizes: Art. no. 50989 and Art. no. 50991. Below the diagram, the individual components are shown with their respective part numbers: Art. no. 50969 (holder), Art. no. 50971 (capture sleeve), Art. no. 50973 (hole saw), and Art. no. 50987 & 50988 (holder).

HOT TAPPING TOOL

for drilling of pipes under pressure

The hot tapping tool (Art. no. 50890) is used for drilling pipes for branch connections in the dimensions 40 and 63 mm.

The PP-main pipes aquatherm green pipe and blue pipe with the **pipe structure S and MF UV** from 75 mm to 630 mm can be drilled under **medium pressure (water) of maximum 6 bar** and a **medium temperature of 10 – 60 °C**.

Notice: do not use with aquatherm blue pipe OT

HOT TAPPING TOOL

for weld-on saddle set with ball valve

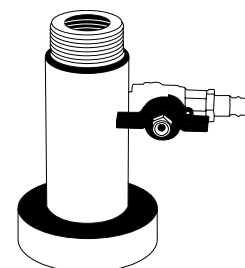
| Art. no. | Dimension | PU | Box unit | Price € pc |
|--------------|-------------------------|----|----------|---------------|
| 50890 | for dimension 40 + 63mm | 1 | | |



ADAPTER FOR WELD-ON SADDLE SET WITH BALL VALVE 40 MM

for installation under pressure

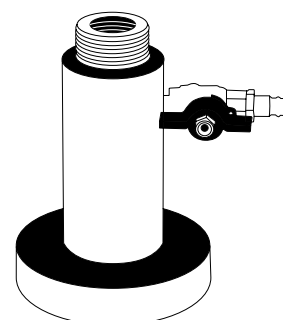
| Art. no. | Dimension [mm] | PU | Box unit | Price € pc |
|--------------|----------------|----|----------|---------------|
| 50891 | 40 | 1 | | |



ADAPTER FOR WELD-ON SADDLE SET WITH BALL VALVE 63 MM

for installation under pressure

| Art. no. | Dimension [mm] | PU | Box unit | Price € pc |
|--------------|----------------|----|----------|---------------|
| 50892 | 63 | 1 | | |

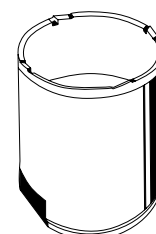


PP-MILLING CUTTER FOR WELD-ON SADDLE SET WITH BALL VALVE 40 MM

for installation under pressure

for Art. no. 50891

| Art. no. | Dimension [mm] | PU | Box unit | Price € pc |
|--------------|----------------|----|----------|---------------|
| 50893 | 40 | 1 | | |

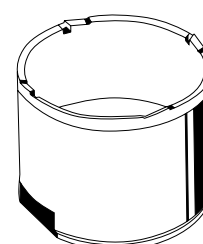


PP-MILLING CUTTER FOR WELD-ON SADDLE SET WITH BALL VALVE 63 MM

for installation under pressure

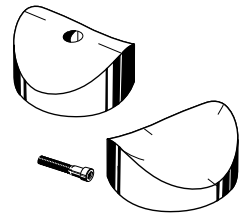
for Art. no. 50892

| Art. no. | Dimension [mm] | PU | Box unit | Price € pc |
|--------------|----------------|----|----------|---------------|
| 50894 | 63 | 1 | | |



aquatherm WELD-ON SADDLE TOOL

for weld-on saddle set with ball valve for installation under pressure for hot tapping tool Art. no. 50890
Not suitable for aquatherm blue pipe OT!



| Art. no. | Dimension | PU | Box unit | Price € pc |
|----------|--------------|----|----------|---------------|
| 50760 | 75x40mm | 1 | | |
| 50761 | 90x40mm | 1 | | |
| 50762 | 110x40mm | 1 | | |
| 50763 | 125x40mm | 1 | | |
| 50764 | 125x63mm | 1 | | |
| 50765 | 160x40mm | 1 | | |
| 50766 | 160x63mm | 1 | | |
| 50767 | 200x40mm | 1 | | |
| 50768 | 200x63mm | 1 | | |
| 50769 | 250x40mm | 1 | | |
| 50770 | 250x63mm | 1 | | |
| 50771 | 315x63mm | 1 | | |
| 50772 | 355x63mm | 1 | | |
| 50773 | 400-630x63mm | 1 | | |

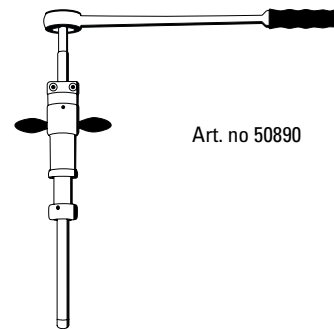
HOT TAPPING TOOL

for drilling pipes under pressure

The hot tapping tool (Art. no. 50890) is for drilling of pipelines. PP-main pipes from 75 mm to 630 mm can be drilled under pressure.

The following accessories are required for processing:

| | |
|---|------------------------|
| adapter for ball valve 40 mm | Art. no. 50891 |
| adapter for ball valve 63 mm | Art. no. 50892 |
| PP-milling cutter 40 mm | Art. no. 50893 |
| PP-milling cutter 63 mm | Art. no. 50894 |
| aquatherm weld-on saddle tool | Art. no. 50760 – 50773 |
| aquatherm weld-on saddle set with ball valve (p. 104) | Art. no. 16175 – 16300 |



Art. no 50890

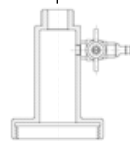
Art. no 50893



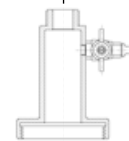
Art. no 50894



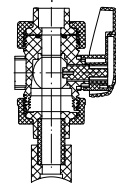
Art. no 50891



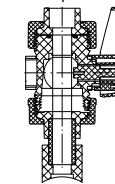
Art. no 50892



Art. no
16175
16181
16188
16196
16212
16231
16251

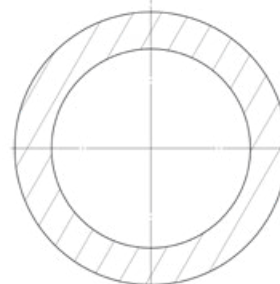


Art. no
16198
16216
16233
16253
16260
16300



In combination with
weld-on saddle tool

Art. no
50760
50761
50762
50763
50765
50767
50769



In combination with
weld-on saddle tool

Art. no
50764
50766
50768
50770
50771
50772
50773

WELDING PROCESS TOOLS AND EQUIPMENT

for pipes with additional outer layer/protection layer

aquatherm green pipe

SDR 7.4 MF UV || SDR 9 MF RP UV

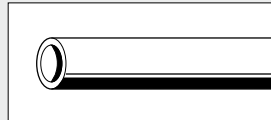
aquatherm blue pipe

SDR 7.4 MF UV || SDR 9/11/17.6 MF RP UV

SDR 7.4 MF OT || SDR 9/11 MF RP OT

PIPES & FITTINGS CUTTING PEELING DRILLING SADDLE PEELING / CHAMFERING

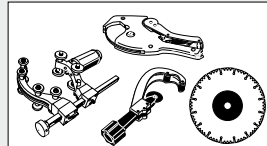
1. SOCKET WELDING 16 – 125 mm



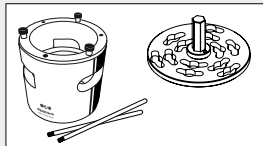
Pipes specified above



Socket welding fittings

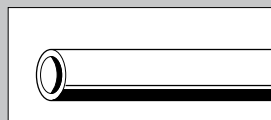


Pipe cutter p.94,120
50104 ø 16 – 40 mm
Pipe cutter p. 94
50102/50105/50106 ø 16 – 200 mm
Cutting disc p. 94
50107 ø 125 mm/50109 ø 230 mm

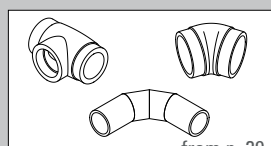


Universal peeling tool p. 97
50479 – 50488
20 – 125 mm (16 mm on request)
+ (opt.) Attachment plate* p. 98
50499/50500

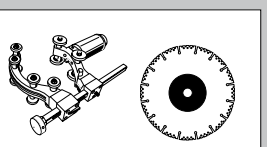
2. BUTT WELDING 160 – 630 mm



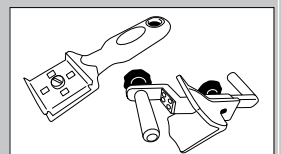
Pipes specified above



Butt welding fittings

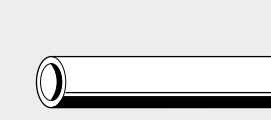


Pipe cutter p. 94
50106 ø 110 – 200 mm
Orbital circular saw p. 94
50108 ø 160 – 355 mm
Cutting disc p. 94
50107 ø 125 mm/50109 ø 230 mm

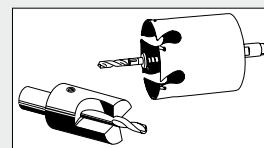


Scraper/Chamfering tool for OT pipes p. 99
50509
99909
Cutter for UV-pipes
not available with aquatherm!

3. SADDLE WELDING 20 – 160 mm



Weld-in saddles



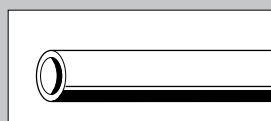
for OT pipes p. 102

Saddle welding tools *
50921 – 50928 for ø 50 – 125 mm
50421 – 50428 for ø 160 – 250 mm

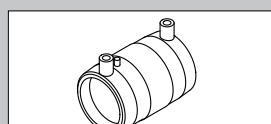
Drill p. 102
50940 – 50948 50987 – 50991
20 – 63 mm 75 – 315mm

**From 50 mm we recommend the application of drill presses.*

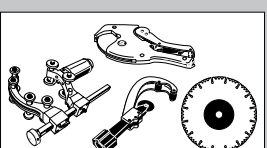
4. ELECTROFUSION SOCKET WELDING 20 – 125 mm



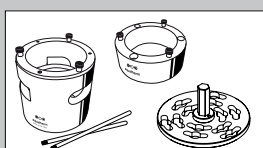
Pipes specified above



Electrofusion sockets p. 53

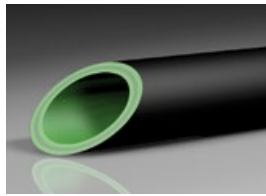


Pipe cutter p. 94,120
50104 ø 16 – 40 mm
Pipe cutter p. 94
50102/50105/50106 ø 16 – 200 mm
Cutting disc p. 94
50107 ø 125mm/50109 ø 230mm

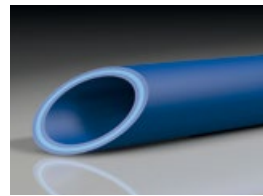


Universal peeling tool p. 97
50479 – 50488 for ø 20 – 125 mm
+ Extension p. 98
50489 – 50498
+ (opt.) Attachment plate* p. 98
50499/50500

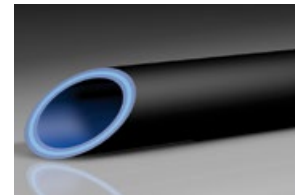
PIPES & FITTINGS CUTTING PEELING DRILLING SADDLE PEELING / CHAMFERING



aquaTherm green pipe
SDR 7.4 MF UV || SDR 9 MF RP UV
Page 17



aquaTherm blue pipe
SDR 7.4 MF OT
SDR 9/11 MF RP OT Page 23



aquaTherm blue pipe
SDR 7.4 MF UV
SDR 9/11/17.6 MF RP UV Page 22


CLEANING

MEASUREMENT
OF TEMPERATURE


WELDING TOOLS


MANUAL WELDING DEVICES OR

WELDING MACHINES

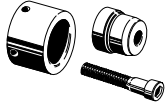


Cleaning wipes p. 96
50193

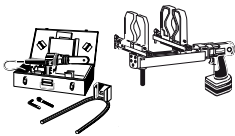


Surface thermometer p. 96
50188
OR


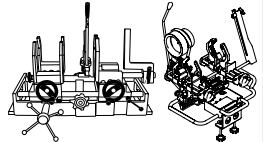
Temperature pencil p. 96
50190




Welding tools p. 96
50210 – 50226




Manual welding device p. 94
50336 \varnothing 16 – 32 mm
50337 \varnothing 16 – 63 mm
50341 \varnothing 50 – 125 mm
(opt.) Electric welding jig p. 95
50161 for \varnothing 63 – 125 mm




Welding machine p. 95
50148 for \varnothing 50 – 125 mm
Welding machine Light p. 95
50145 for \varnothing 63 – 125 mm



Cleaning wipes p. 96
50193

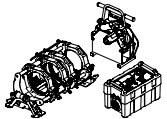


Surface thermometer p. 96
50188
OR



Temperature pencil p. 96
50190

Blank space


Blank space




Butt-welding
two-ring machine p. 95
50350 – 50351 \varnothing 160 – 315 mm
Butt welding machine
p. 95 / 96
50352 – 50357 \varnothing 160 – 630 mm
50165 – 50177 \varnothing 160 – 630 mm



Cleaning wipes p. 96
50193

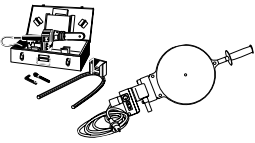


Surface thermometer p. 96
50188
OR


Temperature pencil p. 96
50190




Saddle welding tools p. 100
50614 – 50746



Manual welding device p. 94
50336 \varnothing 16 – 32 mm
50337 \varnothing 16 – 63 mm
50341 \varnothing 50 – 125 mm
50330 \varnothing 50 – 160 mm

Blank space

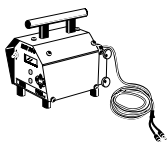


Cleaning wipes p. 96
50193

Blank space

Blank space

Blank space



Electrofusion device p. 96
50175 \varnothing 20 – 250 mm

CLEANING

MEASUREMENT
OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES

WELDING PROCESS TOOLS AND EQUIPMENT

for pipes without additional outer layer/protection layer

aquatherm green pipe


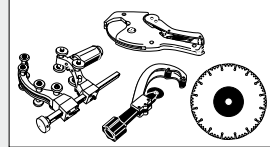
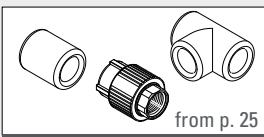
SDR 6/7.4/11 S || SDR 7.4/11 MF || SDR 9 MF RP

aquatherm blue pipe

SDR 11 S || SDR 7.4 MF || SDR 9/11/17.6 MF RP

| | | | | |
|------------------|---------|---------|----------|-----------------------------|
| PIPES & FITTINGS | CUTTING | PEELING | DRILLING | SADDLE PEELING / CHAMFERING |
|------------------|---------|---------|----------|-----------------------------|

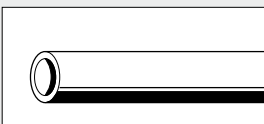

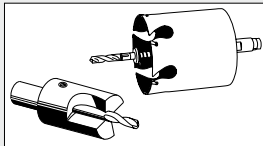
1. SOCKET WELDING 16 – 125 mm

| | | | | |
|---|--|---|--|--|
|  Pipes specified above |  Pipe cutter p.94,120 50104 ø 16 – 40 mm Pipe cutter p. 94 50102/50105/50106 ø 16 – 200 mm Cutting disc p. 94 50107 ø 125 mm/50109 ø 230 mm | | | |
| | |  Socket welding fittings from p. 25 | | |

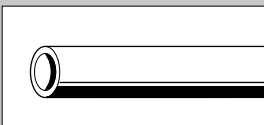
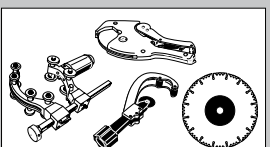
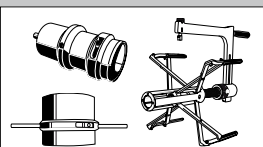
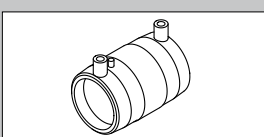
2. BUTT WELDING 160 – 630 mm

| | | | | |
|--|--|---|--|--|
|  Pipes specified above |  Pipe cutter p. 94 50106 ø 110 – 200 mm Orbital circular saw p. 94 50108 ø 160 – 355 mm Cutting disc p. 94 50107 ø 125 mm/50109 ø 230 mm | | | |
| | |  Butt welding fittings from p. 29 | | |

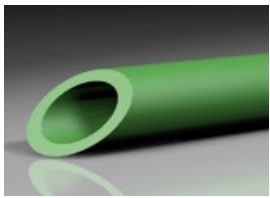
3. SADDLE WELDING 20 – 160 mm

| | | | | |
|---|---|--|--|--|
|  Pipes specified above |  Weld-in saddles from p. 43 | |  Drill p. 102 50940 – 50948 50987 – 50991 20 – 63mm 75 – 315mm From 50 mm we recommend the application of drill presses. | |
|---|---|--|--|--|

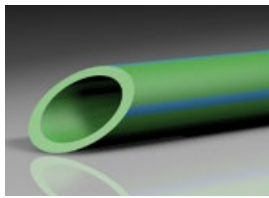
4. ELECTROFUSION SOCKET WELDING 20 – 250 mm

| | | | | |
|---|--|--|---|--|
|  Pipes specified above |  Pipe cutter p.94,120 50104 ø 16 – 40 mm Pipe cutter p. 94 50102/50105/50106 ø 16 – 200 mm Cutting disc p. 94 50107 ø 125 mm/50109 ø 230 mm |  Peeling tools * p. 99 50558 – 50572 20 – 90 mm Manual peeling tools p. 99 50574 – 50592 110 – 250 mm | | |
| | | |  Electrofusion sockets p. 53 | |

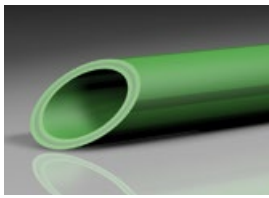
| | | | | |
|------------------|---------|---------|----------|-----------------------------|
| PIPES & FITTINGS | CUTTING | PEELING | DRILLING | SADDLE PEELING / CHAMFERING |
|------------------|---------|---------|----------|-----------------------------|



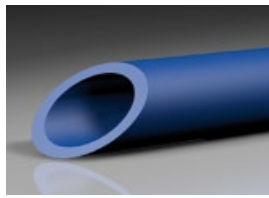
aquaTherm green pipe
SDR 6/7.4 S
Page 18



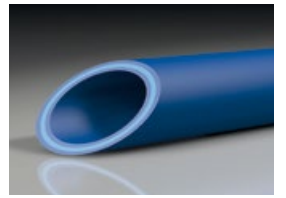
aquaTherm green pipe
SDR 11 S/MF
Page 19



aquaTherm green pipe
SDR 7.4 MF / SDR 9 MF RP
Page 15



aquaTherm blue pipe
SDR 11 S
Page 23



aquaTherm blue pipe
SDR 7.4 MF
SDR 9/11/17.6 MF RP Page 21


CLEANING

MEASUREMENT
OF TEMPERATURE


WELDING TOOLS


MANUAL WELDING DEVICES OR

WELDING MACHINES



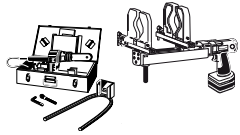
Cleaning wipes p. 96
50193



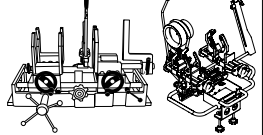
Surface thermometer p. 96
50188
OR

Temperature pencil p. 96
50190




Welding tools p. 96
50210 – 50226




Manual welding device p. 94
50336 \varnothing 16 – 32 mm
50337 \varnothing 16 – 63 mm
50341 \varnothing 50 – 125 mm
(opt.) Electric welding jig p. 95
50161 for \varnothing 63 – 125 mm




Welding machine p. 95
50148 for \varnothing 50 – 125 mm
Welding machine Light p. 95
50145 for \varnothing 63 – 125 mm



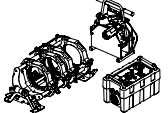
Cleaning wipes p. 96
50193




Surface thermometer p. 96
50188
OR

Temperature pencil p. 96
50190

Welding tools p. 96
50210 – 50226


Manual welding device p. 94
50336 \varnothing 16 – 32 mm
50337 \varnothing 16 – 63 mm
50341 \varnothing 50 – 125 mm
(opt.) Electric welding jig p. 95
50161 for \varnothing 63 – 125 mm




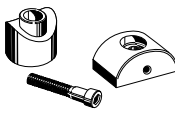
Butt-welding two-ring machine p. 95
50350 – 50351 \varnothing 160 – 315 mm
Butt-welding machine p. 95 / 96
50352 – 50357 \varnothing 160 – 630 mm
50165 – 50177 \varnothing 160 – 630 mm



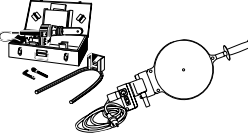
Cleaning wipes p. 96
50193



Surface thermometer p. 96
50188
OR

Temperature pencil p. 96
50190




Saddle welding tools p.100
50614 – 50746



Manual welding device p. 94
50336 \varnothing 16 – 32 mm
50337 \varnothing 16 – 63 mm
50341 \varnothing 50 – 125 mm
50330 \varnothing 50 – 160 mm

Butt-welding two-ring machine p. 95
50350 – 50351 \varnothing 160 – 315 mm
Butt-welding machine p. 95 / 96
50352 – 50357 \varnothing 160 – 630 mm
50165 – 50177 \varnothing 160 – 630 mm

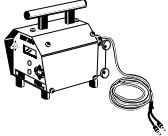


Cleaning wipes p. 96
50193

Surface thermometer p. 96
50188
OR
Temperature pencil p. 96
50190

Saddle welding tools p.100
50614 – 50746

Manual welding device p. 94
50336 \varnothing 16 – 32 mm
50337 \varnothing 16 – 63 mm
50341 \varnothing 50 – 125 mm
50330 \varnothing 50 – 160 mm



Electrofusion device p. 96
50175 \varnothing 20 – 250 mm

CLEANING

MEASUREMENT
OF TEMPERATURE

WELDING TOOLS

MANUAL WELDING DEVICES OR

WELDING MACHINES

SLIDING SLEEVE TECHNOLOGY TOOLS AND EQUIPMENT

aquatherm grey pipe

Multi-layer metal composite pipe 16 – 32 mm

aquatherm orange system

PE-RT-pipe 16 – 25 mm

aquatherm black system

Drywall-heating element with sliding sleeve connection

PIPES & FITTINGS

FALSE JAWS

EXPANDING

TOOL INSERTS

MOUNTING

1. MANUAL ASSEMBLY MULTI-LAYER METAL COMPOSITE PIPE 16 – 32 mm

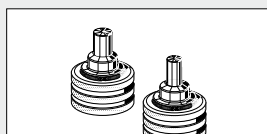


Pipes specified above



from p. 114

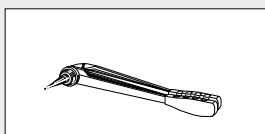
Fittings with sliding sleeves



False jaws p. 121

50857 – 50862

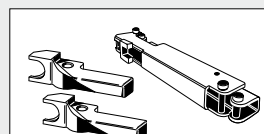
ø 16 – 32 mm



Expanding tool p. 121

50800

ø 10 – 40 mm

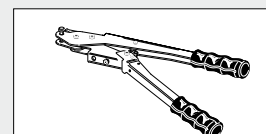


Tool insert p. 121

50825 – 50832 for ø 14 – 32 mm

+(opt.) Angle attachment p.121

50803



Mounting tool p. 121

50802

ø 10 – 40 mm

2. MACHINE ASSEMBLY MULTI-LAYER METAL COMPOSITE PIPE 16 – 32 mm

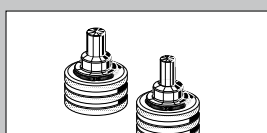


Pipes specified above



from p. 114

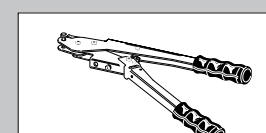
Fittings with sliding sleeves



False jaws p. 121

50857 – 50862

ø 16 – 32 mm



Mounting tool p. 121

50802

ø 10 – 40 mm

PIPES & FITTINGS

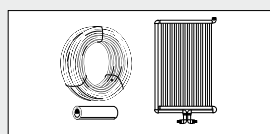
FALSE JAWS

EXPANDING

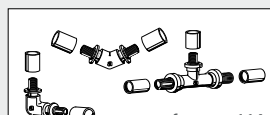
TOOL INSERTS

MOUNTING

3. MANUAL ASSEMBLY PE-RT-PIPE 16 – 25 mm, DRY WALL HEATING ELEMENT sliding sleeve connection

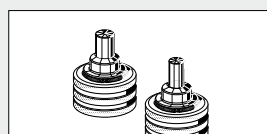


Pipes specified above



from p. 114

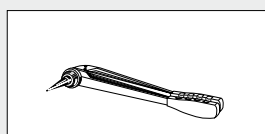
Fittings with sliding sleeves



False jaws p. 101

50815 – 50820

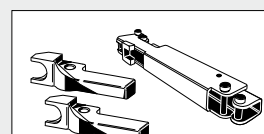
ø 14 – 25 mm



Expanding tool p. 121

50800

ø 10 – 40 mm

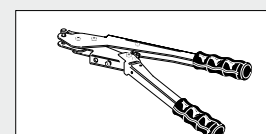


Tool insert p. 121

50825 – 50832 for ø 14 – 42 mm

+(opt.) Angle attachment p.121

50803

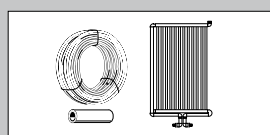


Mounting tool p. 121

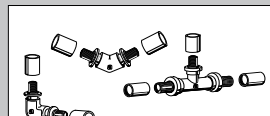
50802

ø 10 – 40 mm

4. MACHINE ASSEMBLY PE-RT PIPE 16 – 25 mm, DRY WALL HEATING ELEMENT sliding sleeve connection

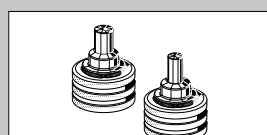


Pipes specified above



from p. 114

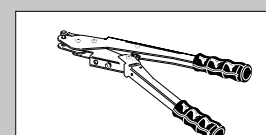
Fittings with sliding sleeves



False jaws p. 121

50815 – 50820

ø 14 – 25 mm



Mounting tool p. 121

50802

ø 10 – 40 mm



aquatherm grey pipe

POTABLE WATER AND HEATING CONNECTION SYSTEM

aquatherm grey pipe can be used for drinking water installations or radiator connections. The installation pipe system consists of high-quality multi-layer metal-composite pipe. Depending on the application, you can choose between insulated and non-insulated pipes. All pipes are DVGW certified and are oxygen-tight.

aquatherm grey pipe is characterized by its good flexibility and high dimensional stability. It is connected using sliding sleeve technology, which offers significant advantages for flexible floor connections. Whether as radiator connections or in sanitary wall installations: permanent tight connections between small dimensions connecting pipes, brass, and plastic fittings can be created easily and with minimal tools.

The typical fields of application for aquatherm grey pipe are the potable water installation or the radiator connection.

- ▶ Extensive product range
- ▶ Dimension 16 – 32 mm
- ▶ No corrosion or incrustation
- ▶ Absolutely safe and proven connection technology
- ▶ Oxygen barrier
- ▶ Suitable for each water quality
- ▶ Quick and safe installation
- ▶ By means of bending tool even narrow installation situations are feasible
- ▶ Low weight
- ▶ Combinable with the **aquatherm green pipe** system
- ▶ Pressure and temperature resistant

Fields of application

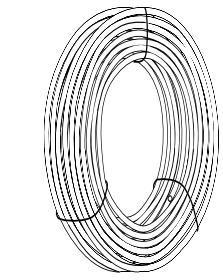


aquatherm grey pipe MULTI-LAYER-METAL COMPOSITE PIPE

oxygen-tight

| Art. no. | Dimension [mm] | PU | Box unit | Price € m |
|---------------------|----------------|-----|----------|-----------|
| ... ring | | | | |
| 777070 | 16 | 100 | | |
| 777072 | 20 | 100 | | |
| ... in length à 4 m | | | | |
| 777050 | 16 | 100 | | |
| 777052 | 20 | 65 | | |
| 777054 | 26 | 45 | | |
| 777056 | 32 | 35 | | |

Material: PE-X Application field: Potable water/heating
 Color: white Operating temperature: 70 °C
 Form supplied: ring/straight length DVGW-Registr.-No.: DW-8216 BT0628
 DW-8217 AT2505
 According to: DIN 4726 oxygen-tight



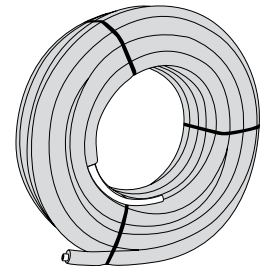
Please use only the suitable expansion tools Art. no. 50857, 50860, 50862 for the multi-layer-metal composite pipe.

aquatherm grey pipe MULTI-LAYER-METAL COMPOSITE PIPE

oxygen barrier, with Polyethylene foam insulation and tear-proof PE-protection layer

| Art. no. | Dimension | PU | Box unit | Price € m |
|---------------|-----------|----|----------|-----------|
| 777030 | 16x2mm | 50 | | |
| 777032 | 20x2mm | 50 | | |

Material: PE-X Application field: Potable water/heating
 Color: white DVGW-Registr.-No.: DW-8216 BT0628
 DW-8217 AT2505
 Form supplied: ring According to: DIN 4726 oxygen-tight
 Operating temperature: 70 °C Thermal conductivity of insulation: 0,040 W/mK
 Insulation thickness: 10 mm



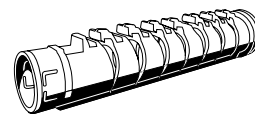
Please use only the suitable expansion tools Art. no. 50857, 50860, 50862 for the multi-layer-metal composite pipe.

aquatherm grey pipe

aquatherm grey pipe SNAP IN RADIUS SUPPORT

| Art. no. | for pipe dimensions | PU | Price € pc |
|--------------|---------------------|----|------------|
| 79566 | 16 & 17mm | 25 | |

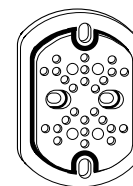
Material: PE
 Colour: black



aquatherm grey pipe SOUND INSULATION PLATE

for aquatherm green pipe and aquatherm grey pipe back plate elbow

| Art. no. | Dimension | PU | Price € pc |
|--------------|-----------|----|------------|
| 79080 | | 2 | |

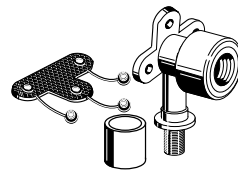
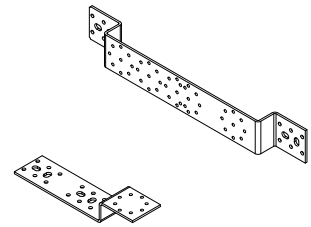


See Z-measures, page 56.

MOUNTING RAIL (TWIN)

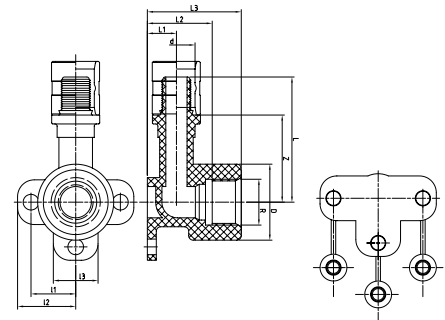
| Art. no. | Dimension | PU | Price € pc |
|--------------|-----------|----|---------------|
| 79095 | twin | 2 | |

galvanized, for fixing of back plate
See Z-measures, page 57.



aquatherm grey pipe BACK PLATE ELBOW

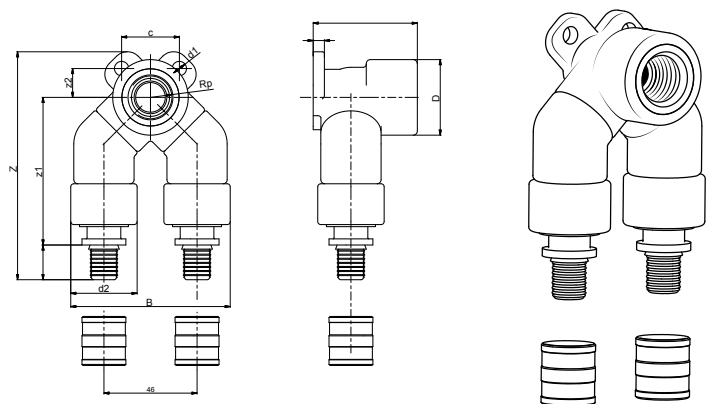
including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072



| Art. no. | d [mm] | R | D [mm] | Z [mm] | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | I1 [mm] | I2 [mm] | I3 [mm] | PU | Price € m/pc |
|---------------|-----------|------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|----|-----------------|
| 779000 | 16 | 1/2" | 34,0 | 39,0 | 56,0 | 13,0 | 29,0 | 42,0 | 20,0 | 26,0 | 20,0 | 1 | |
| 779002 | 20 | 3/4" | 40,0 | 42,0 | 59,0 | 13,0 | 29,0 | 42,0 | 25,0 | 31,0 | 20,0 | 1 | |
| 779004 | 20 | 1/2" | 34,0 | 39,0 | 56,0 | 13,0 | 29,0 | 42,0 | 0,00 | 26,0 | 20,0 | 1 | |

Material: PPSU/brass
including acoustic panel (PP)
proper to sound insulation plate Art. no. 79080

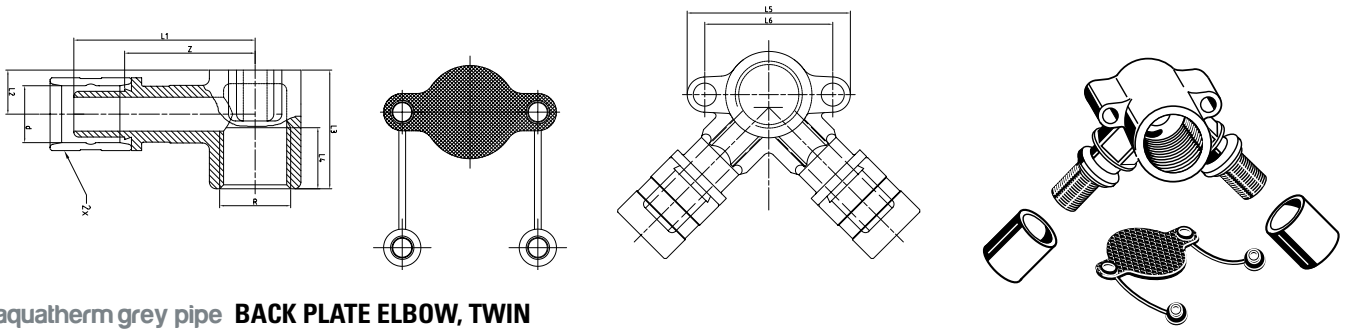
PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



aquatherm grey pipe FLOW-THROUGH BACK PLATE ELBOW, PARALLEL

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | Dimensions | D [mm] | d1 [mm] | d2 [mm] | Z [mm] | z1 [mm] | z2 [mm] | PU | Box unit | Price € pc |
|---------------|------------------------|-----------|------------|------------|-----------|------------|------------|----|----------|---------------|
| 779050 | 16 mm x 1/2" f x 16 mm | 37,0 | 7,0 | 34,5 | 111,7 | 72,3 | 14,1 | 1 | | |
| 779052 | 20 mm x 1/2" f x 20 mm | 37,0 | 7,0 | 32,5 | 111,7 | 72,3 | 14,1 | 1 | | |



aquatherm grey pipe BACK PLATE ELBOW, TWIN

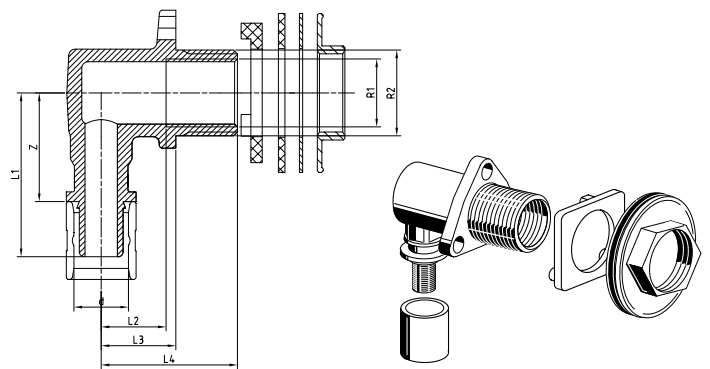
including sliding sleeves

for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | d [mm] | Z [mm] | L1 [mm] | L2 [mm] | L3 [mm] | R | L4 [mm] | L5 [mm] | PU | Price € m/pc |
|---------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|--------------|
| 779010 | 16 | 38,5 | 53,5 | 13,0 | 35,0 | 1/2" | 18,0 | 51,0 | 1 | |

Material: brass

including acoustic panel (PP)



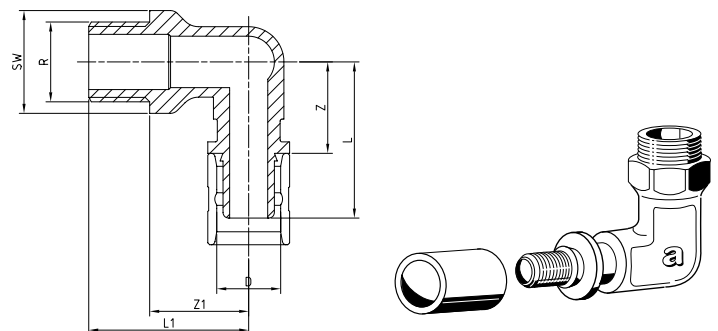
aquatherm grey pipe CONNECTING ELBOW FOR CONCEALED CISTERN

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | d [mm] | Z [mm] | L1 [mm] | L2 [mm] | L3 [mm] | R | L4 [mm] | L5 [mm] | PU | Price € m/pc |
|---------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|--------------|
| 779020 | 16 | 33,5 | 50,5 | 20,0 | 23,0 | 1/2" | 42,0 | 51,0 | 1 | |

Material: brass

including counternut, gasket and spring washer

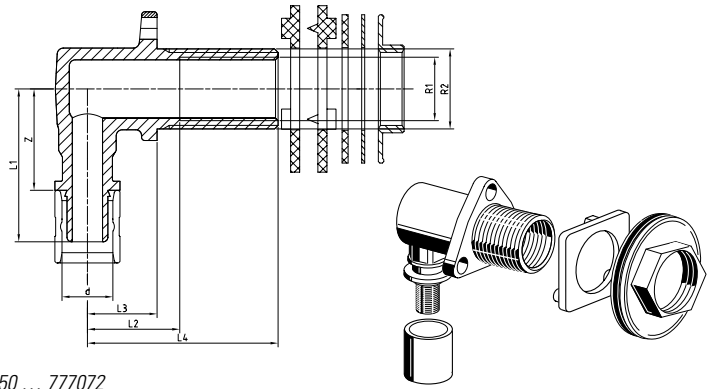


aquatherm grey pipe TRANSITION ELBOW

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | D [mm] | R | Z [mm] | Z1 [mm] | L [mm] | L1 [mm] | SW [mm] | PU | Price € m/pc |
|---------------|-----------|-------------|-------------|-------------|-------------|-------------|-----------|----------|--------------|
| 779030 | 16 | 1/2" | 24,0 | 26,0 | 41,0 | 42,0 | 24 | 2 | |
| 779032 | 20 | 1/2" | 24,0 | 26,0 | 41,0 | 42,0 | 24 | 2 | |
| 779033 | 20 | 3/4" | 25,5 | 21,0 | 42,5 | 38,0 | - | 2 | |
| 779034 | 25 | 3/4" | 26,0 | 21,0 | 44,0 | 38,0 | - | 2 | |
| 779038 | 32 | 1" | 33,0 | 29,0 | 54,0 | 47,0 | - | 2 | |

Material: brass

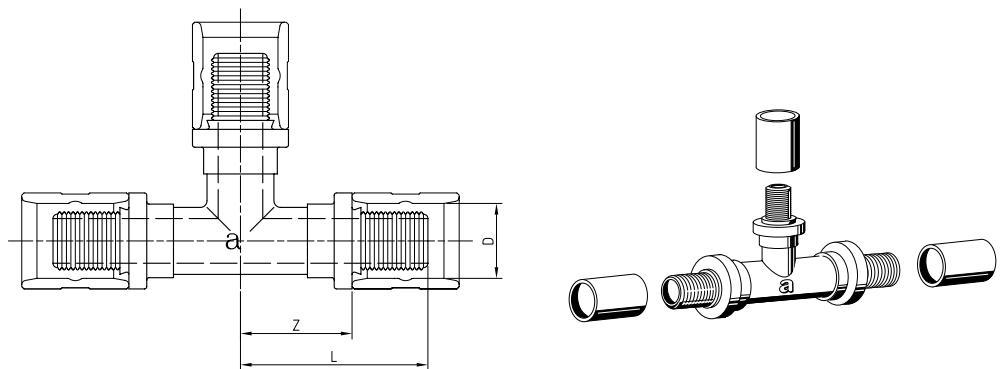


aquatherm grey pipe **CONNECTING ELBOW**

for dry construction, including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | d [mm] | R1 | Z [mm] | L1 [mm] | R2 | L2 [mm] | L3 [mm] | L4 [mm] | PU | Price € m/pc |
|---------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|--------------|
| 779040 | 16 | 1/2" | 33,5 | 50,5 | 3/4" | 30,5 | 23,0 | 63,0 | 2 | |

Material: brass
including counternut, gasket and 2 spring washers

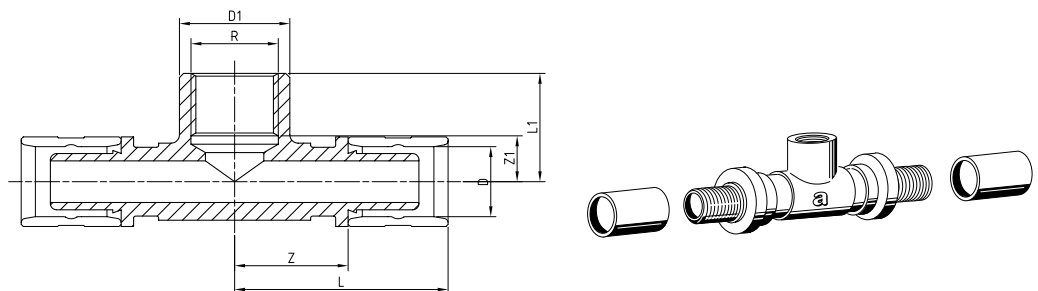


aquatherm grey pipe **TEE**

including sliding sleeves – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | D [mm] | Z [mm] | L [mm] | PU | Price € m/pc |
|---------------|-----------|-------------|-------------|----------|--------------|
| 779100 | 16 | 25,0 | 42,0 | 2 | |
| 779102 | 20 | 24,0 | 41,0 | 2 | |
| 779104 | 25 | 27,0 | 45,0 | 2 | |
| 779106 | 32 | 33,8 | 54,8 | 2 | |

Material: PPSU/brass

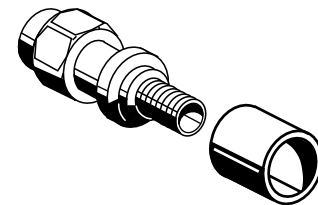
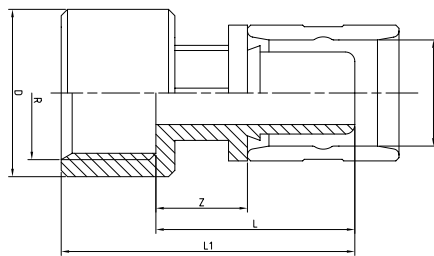


aquatherm grey pipe **TEE WITH FEMALE THREAD**

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | D [mm] | R | Z [mm] | L [mm] | D1 [mm] | L1 [mm] | Z1 [mm] | PU | Price € m/pc |
|---------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|----------|--------------|
| 779160 | 16 | 1/2" | 27,3 | 44,3 | 26,5 | 26,0 | 11,0 | 2 | |
| 779162 | 20 | 1/2" | 26,3 | 43,3 | 26,3 | 26,0 | 11,0 | 2 | |
| 779163 | 25 | 1/2" | 30,0 | 54,0 | 32,0 | 28,0 | 9,0 | 2 | |
| 779164 | 25 | 3/4" | 31,0 | 48,0 | 32,0 | 28,0 | 11,0 | 2 | |
| 779166 | 32 | 3/4" | 31,0 | 52,0 | 32,0 | 30,0 | 13,0 | 1 | |

Material: brass

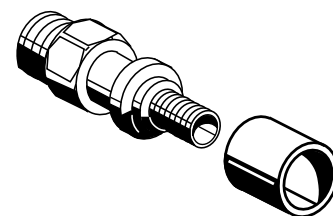
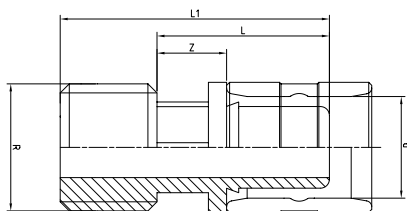


aquatherm grey pipe TRANSITION PIECE

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | d [mm] | R | Z [mm] | L [mm] | L1 [mm] | D [mm] | PU | Price € m/pc |
|----------|--------|------|--------|--------|---------|--------|----|--------------|
| 779182 | 16 | 1/2" | 14,5 | 31,5 | 46,5 | 26,5 | 2 | |
| 779184 | 20 | 1/2" | 14,5 | 31,5 | 46,5 | 26,5 | 2 | |
| 779186 | 20 | 3/4" | 14,5 | 31,5 | 48,5 | 32,5 | 2 | |
| 779188 | 25 | 3/4" | 16,5 | 34,5 | 51,5 | 32,5 | 2 | |
| 779189 | 25 | 1" | 16,5 | 34,5 | 53,5 | 40,0 | 2 | |
| 779192 | 32 | 1" | 20,0 | 41,0 | 60,0 | 40,0 | 2 | |

Material: brass

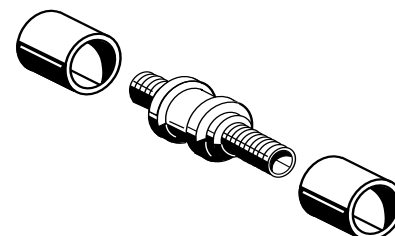
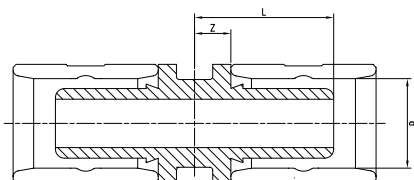


aquatherm grey pipe TRANSITION PIECE

with male thread, including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | d [mm] | R | Z [mm] | L [mm] | L1 [mm] | PU | Price € m/pc |
|----------|--------|------|--------|--------|---------|----|--------------|
| 779199 | 25 | 1" | 13,5 | 31,5 | 51,5 | 2 | |
| 779200 | 16 | 1/2" | 11,5 | 28,5 | 44,5 | 2 | |
| 779202 | 20 | 1/2" | 11,5 | 28,5 | 44,5 | 2 | |
| 779203 | 20 | 3/4" | 12,5 | 29,5 | 45,5 | 2 | |
| 779204 | 25 | 3/4" | 14,5 | 31,5 | 47,5 | 2 | |
| 779205 | 25 | 1/2" | 11,5 | 29,5 | 45,5 | 2 | |
| 779206 | 32 | 3/4" | 14,5 | 35,5 | 51,5 | 2 | |
| 779208 | 32 | 1" | 17,0 | 38,0 | 58,0 | 2 | |

Material: brass

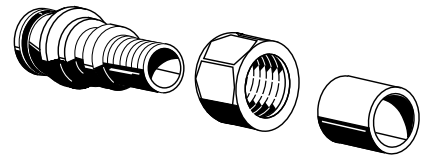
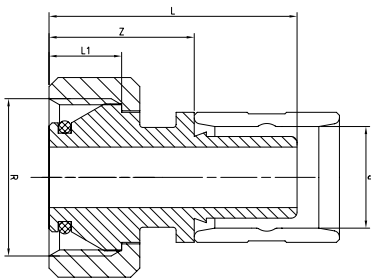


aquatherm grey pipe COUPLING

including sliding sleeves – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | d [mm] | Z [mm] | L [mm] | PU | Price € pc |
|----------|--------|--------|--------|----|------------|
| 779210 | 16 | 6,0 | 23,0 | 2 | |
| 779212 | 20 | 6,0 | 23,0 | 2 | |
| 779214 | 25 | 7,3 | 25,3 | 2 | |
| 779216 | 32 | 9,0 | 30,0 | 2 | |

Material: brass

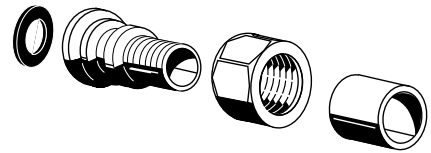
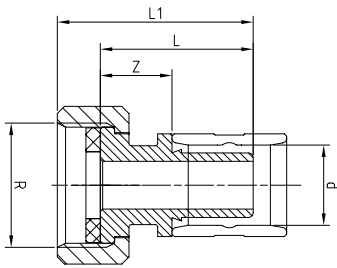


aquatherm grey pipe EUROCONUS ADAPTER

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | d [mm] | R | Z [mm] | L [mm] | L1 [mm] | PU | Price € pc |
|----------|--------|------|--------|--------|---------|----|------------|
| 779220 | 16 | 3/4" | 24,0 | 41,0 | 12,0 | 2 | |
| 779222 | 20 | 3/4" | 30,0 | 47,0 | 15,0 | 2 | |

Material: brass
for customary manifolds/joints

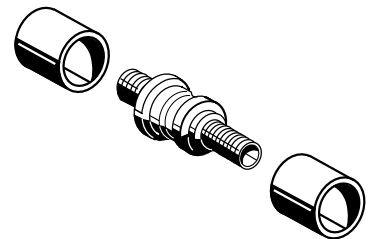
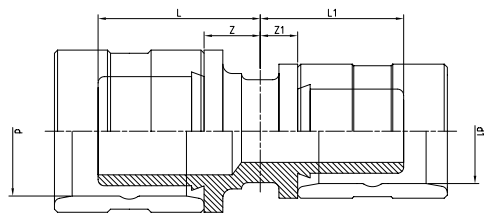


aquatherm grey pipe TRANSITION SCREW JOINT

including sliding sleeve and gasket – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | d [mm] | R | Z [mm] | L [mm] | L1 [mm] | PU | Price € m/pc |
|----------|--------|------|--------|--------|---------|----|--------------|
| 779230 | 16 | 3/4" | 15,0 | 32,0 | 41,0 | 2 | |
| 779232 | 20 | 1" | 15,5 | 32,5 | 45,0 | 2 | |
| 779240 | 20 | 3/4" | 22,0 | 39,0 | 48,0 | 2 | |
| 779242 | 25 | 1" | 28,0 | 46,0 | 57,5 | 1 | |

Material: brass

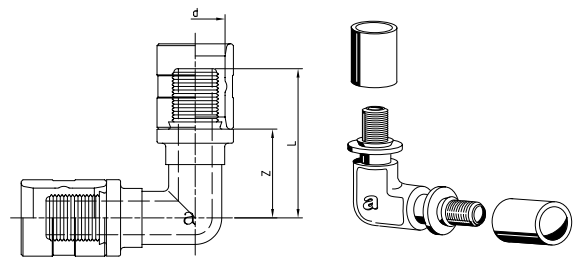


aquatherm grey pipe REDUCING COUPLING

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | d [mm] | d1 [mm] | Z [mm] | L [mm] | Z1 [mm] | L1 [mm] | PU | Price € m/pc |
|----------|--------|---------|--------|--------|---------|---------|----|--------------|
| 779250 | 20 | 16 | 9,0 | 26,0 | 6,0 | 23,0 | 2 | |
| 779252 | 25 | 20 | 10,0 | 28,0 | 6,0 | 23,0 | 2 | |
| 779254 | 25 | 16 | 10,0 | 28,0 | 6,0 | 23,0 | 2 | |
| 779256 | 32 | 25 | 11,3 | 32,3 | 7,3 | 25,3 | 1 | |

Material: brass

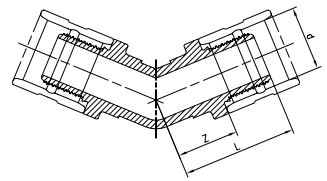
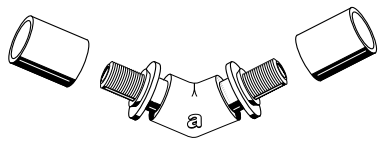


aquatherm grey pipe ELBOW 90°

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | d [mm] | Z [mm] | L [mm] | PU | Price € pc |
|---------------|-----------|--------|--------|----|------------|
| 779300 | 16 | 25,0 | 42,0 | 2 | |
| 779302 | 20 | 25,0 | 42,0 | 2 | |
| 779304 | 25 | 27,0 | 45,0 | 2 | |
| 779306 | 32 | 33,8 | 54,8 | 1 | |

Material: PPSU/brass



aquatherm grey pipe ELBOW 45°

including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

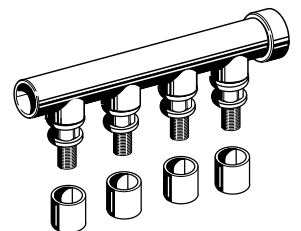
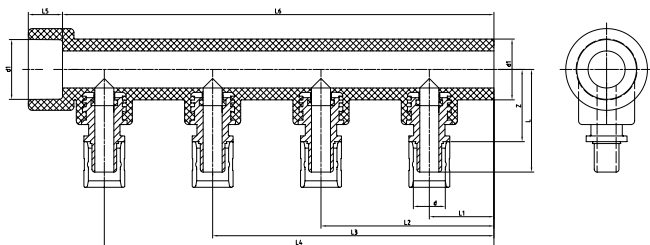
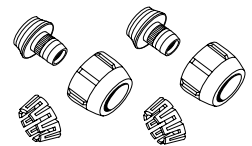
| Art. no. | d [mm] | Z [mm] | L [mm] | PU | Price € m/pc |
|---------------|-----------|--------|--------|----|--------------|
| 779322 | 20 | 20,0 | 37,0 | 2 | |
| 779324 | 25 | 22,0 | 40,0 | 2 | |
| 779326 | 32 | 26,3 | 47,3 | 2 | |

Material: PPSU/brass

aquatherm grey pipe COMPRESSION FITTING

| Art. no. | Dimension | PU | Price € pc |
|--------------|-------------|----|------------|
| 79610 | for ø 16 mm | 2 | |

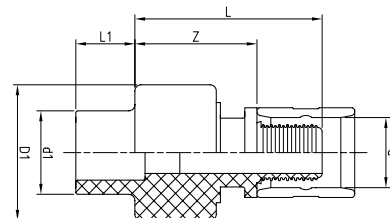
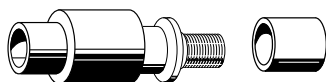
Material: brass



aquatherm grey pipe FOUR-PORT MANIFOLD ♦

4 branches with sliding sleeve connection including sliding sleeves – für aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | d [mm] | d1 [mm] | Z [mm] | L [mm] | L1 [mm] | L2 [mm] | L3 [mm] | L4 [mm] | L5 [mm] | L6 [mm] | PU | Price € m/pc |
|--------------|-----------|-----------|--------|--------|---------|---------|---------|---------|---------|---------|----|--------------|
| 78003 | 16 | 32 | 38,0 | 54,0 | 34,0 | 91 | 148,0 | 205,0 | 18,0 | 227,0 | 2 | |



aquatherm grey pipe ADAPTER

to aquatherm green pipe fittings including sliding sleeve – for aquatherm grey pipe Art. no. 777050 ... 777072

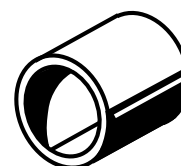
| Art. no. | Dimension | d1 [mm] | d [mm] | D1 [mm] | Z [mm] | L [mm] | L1 [mm] | PU | Price € m/pc |
|----------|--|---------|--------|---------|--------|--------|---------|----|--------------|
| 778300 | aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm | 20 | 16 | 32,5 | 30,0 | 46,0 | 14,5 | 2 | |
| 778302 | aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm | 20 | 20 | 34,5 | 30,0 | 47,0 | 11,0 | 2 | |
| 778304 | aquatherm green pipe 25 mm x aquatherm grey pipe 20 mm | 25 | 20 | 34,5 | 30,0 | 47,0 | 12,0 | 2 | |
| 778306 | aquatherm green pipe 25 mm x aquatherm grey pipe 25 mm | 25 | 25 | 43,5 | 35,0 | 52,0 | 14,6 | 2 | |

aquatherm grey pipe SPARE SLIDING SLEEVE

for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | Dimension [mm] | PU | Price € pc |
|----------|----------------|----|------------|
| 779990 | 16 | 10 | |
| 779992 | 20 | 10 | |
| 779994 | 26 | 10 | |
| 779996 | 32 | 10 | |

Material: brass

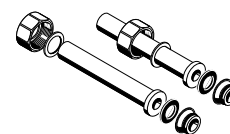


aquatherm grey pipe RADIATOR CONNECTION SET

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------------------------|----|------------|
| 83006 | 16 mm with screw nut G 3/4" | 1 | |

consisting of:

- 2 connection pieces (L: 120 mm) made of PP-R, Colour: white
- 2 metal tension rings
- 2 nuts, chromium plated
- 2 adaptors, chromium plated
- 2 gaskets



aquatherm grey pipe CONNECTING BEND

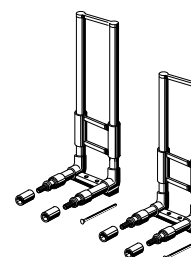
for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | Dimension | PU | Price € pc |
|----------|---|----|------------|
| 779502 | aquatherm grey pipe pipe connection and radiator connection 16 x 2,0 mm height= 340 mm length = 45 mm | 1 | |
| 779512 | aquatherm grey pipe pipe connection and radiator connection 16 x 2,0 mm height= 200 mm length = 45 mm | 1 | |

with sliding sleeve connection including sliding sleeves and one fastening plug

Pipe spacing: 50 mm

Material: PP-R/brass Colour: white



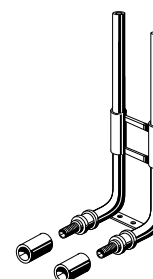
aquatherm grey pipe METAL CONNECTING BEND

for aquatherm grey pipe Art. no. 777050 ... 777072

| Art. no. | Dimension | PU | Price € pc |
|----------|--|----|------------|
| 779532 | aquatherm grey pipe pipe connection 16 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm length = 65 mm | 1 | |

with sliding sleeve connection including

sliding sleeves. Pipe spacing: 50 mm Material: copper nickel-plated



aquatherm grey pipe DOUBLE ROSETTE, RETRACTABLE

| Art. no. | Dimension | PU | Price € pc |
|--------------|---------------------|----|---------------|
| 79550 | for Ø up to 17,5 mm | 5 | |

to cover connection pipes coming out of the floor covering
Material: PA, Pipe spacing: 50 mm, Colour: white



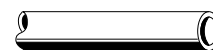
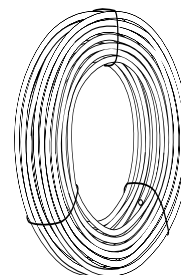
ATTENTION

When processing the aquatherm grey pipe potable water connection pipe Art. no. 77020 – 77024, the sliding sleeves of Art. no. 79990 – 79994 have to be used necessarily.

aquatherm grey pipe POTABLE WATER AND RADIATOR CONNECTION PIPE ◆ with oxygen barrier

| Art. no. | Dimension | PU | Price € m |
|--------------|-----------|-----|--------------|
| 77020 | 16x2,0mm | 100 | |
| 77022 | 20x2,0mm | 100 | |
| 77024 | 25x2,3mm | 50 | |

Material: PB Application field: Potable water/heating
Colour: grey Operating temperature: 70 °C
Form supplied: ring DVGW-Registr.-No.: DW-8501 AU2075 (incl. fittings)
according to: DIN 4726/4727/16968
with oxygen barrier by EVOH-coating



aquatherm grey pipe SPARE SLIDING SLEEVE

for aquatherm grey pipe Art. no. 77020 ... 77024

| Art. no. | Dimension [mm] | PU | Price € pc |
|--------------|-------------------|----|---------------|
| 79990 | 16 | 10 | |
| 79992 | 20 | 10 | |
| 79994 | 25 | 10 | |

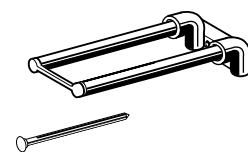
Material: brass



aquatherm grey pipe CONNECTING BEND

| Art. no. | Dimension | PU | Price € pc |
|--------------|-----------|----|---------------|
| 85121 | 16x2,0mm | 1 | |

Length: 200 mm Including 1 fastening plug
Material: PP-R Colour: white
Suitable distances for fixing at the welding device (Art. no. 50337) are available

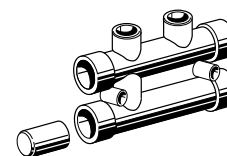


aquatherm grey pipe DISTRIBUTION BLOCK

for skirting or floor installation

| Art. no. | Dimension | PU | Price € pc |
|--------------|-----------|----|---------------|
| 85123 | 20/16mm | 1 | |

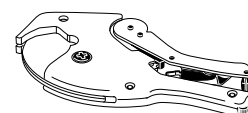
Passage 20 mm, 2 branches including 1 plug 20 mm
Material: PP-R Colour: green
Double welding with welding-device (Art. no. 50337) in connection with two 16 mm and two 20 mm tools is possible.



aquatherm grey pipe PIPE CUTTER

| Art. no. | Dimension | PU | Price € pc |
|--------------|------------------------|----|---------------|
| 50103 | up to Ø 25 mm | 1 | |
| 50104 | for pipes Ø 16 - 40 mm | 1 | |

for aquatherm grey pipe and aquatherm surface heating pipes



aquatherm grey pipe EXPANDING TOOL

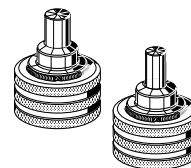
| Art. no. | Dimension | PU | Price € pc |
|----------|---------------|----|---------------|
| 50800 | for ø 10-40mm | 1 | |



FALSE JAWS FOR THE AQUATHERM GREY PIPE EXPANDING TOOL

for aquatherm grey pipe PB-pipes

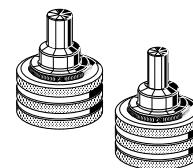
| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 50815 | 14 mm | 1 | |
| 50817 | 16 & 20mm | 1 | |
| 50820 | 25 mm | 1 | |



FALSE JAWS FOR THE AQUATHERM GREY PIPE EXPANDING TOOL

for aquatherm grey pipe multi-layer metal composite pipes

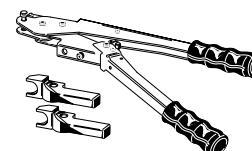
| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 50857 | 16 & 20mm | 1 | |
| 50860 | 25 mm | 1 | |
| 50862 | 32 mm | 1 | |



aquatherm grey pipe MOUNTING TOOL

| Art. no. | Dimension | PU | Price € pc |
|----------|---------------|----|---------------|
| 50802 | for ø 10-40mm | 1 | |

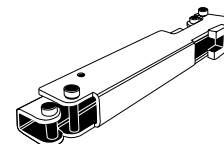
with tools for ø 16 and 20 mm, for the mechanical sliding sleeve connection



aquatherm grey pipe ANGLE ATTACHMENT

for aquatherm grey pipe mounting tool Art. no. 50802

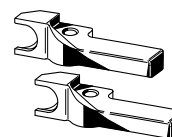
| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 50803 | | 1 | |



aquatherm grey pipe TOOL INSERT

for aquatherm grey pipe mounting tool Art. no. 50802

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 50825 | 14 mm | 1 | |
| 50826 | 16/17mm | 1 | |
| 50828 | 20mm | 1 | |
| 50830 | 25mm | 1 | |
| 50832 | 32 mm | 1 | |



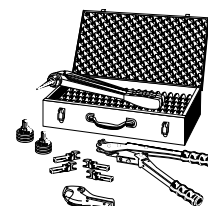
aquatherm grey pipe TOOL CASE

multi-layer metal composite pipe

| Art. no. | Dimension | PU | Price € pc |
|----------|----------------|----|---------------|
| 50805 | for ø 16-20 mm | 1 | |

including:

- Pipe cutter (Art. no. 50103)
- Expanding tool (Art. no. 50800) with false jaws 16 – 20 mm (Art. no. 50857)
- Mounting tool (Art. no. 50802) with tools (Art. no. 50826 and 50828)



Find an overview of the aquatherm grey pipe tools on page 110.



aquatherm black system

HEATING AND COOLING SYSTEM FOR CEILING, WALL AND FURTHER APPLICATIONS

An individual's physical well-being directly depends on the basic environmental conditions of the surroundings. Working efficiency decreases with increasing temperature, the costs increase with every cooling degree.

Incorrect controlled room temperature, noise interference or draught are responsible for inefficient room conditions and therefore unsatisfactory performances. In offices, commercial premises, meeting rooms, etc., aquatherm pipe grids have become increasingly more popular for heating and cooling of ceilings and walls. The ingenious aquatherm black system creates pleasant room climate without noise and draughts.

aquatherm black system – due to its small sizes – can be laid tight below the plaster layer or the plaster board.

The aquatherm black system can be installed on metal panels of suspended ceilings and on plaster boards. Even the embedding in plaster layer or the installation in C-studs with plaster boards is not a problem. The low weight of only 4.1 kg/m² (incl. water filling) does not affect the design of the ceiling element construction.

Fields of application



Advantages

- No draughts, thus highest climate comfort
- Noiseless
- No additional dust exposure
- Simple control technique
- Thermal properties of the building are enhanced
- Well suited for retrofitting
- Quick installation thanks to high prefabrication degree
- Even temperature distribution
- Safe connection techniques by thermal fusion/Push-fit connection for ceiling elements
- Oxygen-tight
- Low installation height
- Architectural freedom
- Energy efficient during operation
- Suitable as plaster base for ceiling suspension

The mode of operation of the aquatherm black system, installed as a heating or cooling ceiling, is that the surface temperature is kept a few degrees below or above the room temperature. By radiation exchange with the ceiling, the temperatures of the room surface and furnishings change. The total power is achieved by 2/3 radiation and 1/3 convection. The output is determined by the difference between room temperature and average surface temperature. High difference = high heat transfer.

aquatherm black system matches exactly the size of metal cassettes. Active and inactive surfaces can be combined without visible differences. Retrofitting is possible at any time.

Further information regarding the aquatherm black system can be found in our aquatherm black system catalogue (Order No. E97060) and in our flyer (Order No. E20100)



APPLICATION IN PUBLIC, COMMERCIAL AND INDUSTRIAL SECTORS

Metal ceiling panel as clip-in system

Description

The aquatherm black system grids for heating and cooling are laid on the metal ceiling panels and fixed with hold-down magnets. A good power transmission is guaranteed by the direct contact between grid and metal plate respectively the acoustical mat.

Advantages

- High heating and cooling performance due to excellent contact transmission
- Factory-prefabricated grid modules for quick assembly on site
- Very easy assembly with hold-down magnets
- Combination with centrally conditioned outside air is possible
- The system is retrofit in still existing metal ceiling system
- High sound absorption on metal ceiling panels with micro perforation
- Installation in combination with various ceiling installation /super-structures such as lights, fire detectors and ventilation components
- Power output without drafts
- Soundless and non-visible heating and cooling

Sound absorption

Room acoustics is an important factor - not only in office buildings. A minimization of the sound propagation and thus a better speech intelligibility can be achieved by a high degree of sound absorption.

Sound acoustic properties of a standard metal ceiling

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|---|------|------|------|------|------|------|
| α_p | 0,35 | 0,80 | 0,90 | 0,65 | 0,70 | 0,65 |
| Sound absorption degree of metal ceiling system with perforation type 2516 | | | | | | |
| Rating acc. to ISO 354 Practical sound absorption degree acc. To ISO 11654 | | | | | | |
| $\alpha_w = 0,70$ (L) | | | | | | |
| Sound absorption class C | | | | | | |



APPLICATION IN PUBLIC, COMMERCIAL AND INDUSTRIAL SECTORS

Thermal active ceiling sail

Description

Metal ceiling sails offer the greatest possible creative freedom for architects and planners: the ceiling elements can be individually adapted to any room geometry in terms of shape and dimension. aquatherm black system in metal ceiling sails is ideally suited for distributing heat and cold rapidly and evenly across the surface.

Advantages

- High heating and cooling performance due to excellent contact transmission
- Factory-prefabricated grid modules for quick assembly on site
- Very easy assembly with hold-down magnets
- Combination with centrally conditioned outside air is possible
- System is retrofit in still existing metal ceiling systems
- High sound absorption on metal ceiling panels with micro perforation
- Soundless and non-visible heating and cooling

Sound absorption

To improve the room acoustics, acoustic fleeces are glued to the perforated cooling ceiling sail. With an acoustic ceiling covering (mineral wool shrik wrapped in foil) better sound absorption values are achieved.

Sound acoustic properties of a metal ceiling sail

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|---|------|------|------|------|------|------|
| α_p | 0,70 | 2,00 | 2,60 | 2,00 | 2,20 | 2,10 |
| Sound absorption degree of metal ceiling system with perforation type 2516, hole percentage 16% | | | | | | |
| Rating acc. to ISO 354 Practical sound absorption degree acc. To ISO 11654 | | | | | | |
| $\alpha_w = 0,70$ (L) | | | | | | |
| Sound absorption class C | | | | | | |

The ceiling sails were raised on 150 mm high columns on a reverberation floor.

Equivalent sound absorption area (500 Hz) = 2.6 m²



APPLICATION IN PUBLIC, COMMERCIAL AND INDUSTRIAL SECTORS

Free convection, suspended

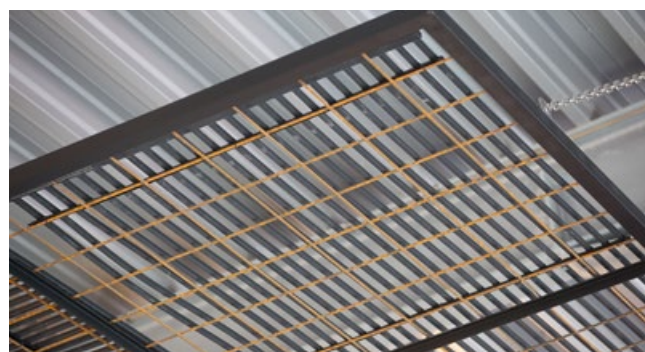
Description

In free convection, the heating and cooling grids lie on a "permeable" substructure, which allows unrestricted circulation. The custom-made aquatherm black system grids are placed on the substructure and are fixed, if necessary.

The systems is characterized by a high level of performance. For example, it is installed for heating of individual workplaces in industry.

Advantages

- High heating and cooling performance through free convection
- The system can be used variably
- Combination with other ceiling substructures such as lighting, fire detectors, sprinklers and ventilation components





HIGH-PERFORMANCE MODULES FOR COOLING CEILINGS

aquatherm black system high-performance modules combine aquatherm's proven heating and cooling grids with heat conduction plates and – depending on the selected product – with aluminium carrier plates. The modules take advantage of the pressure drop and fluidics of the grids and the very good thermal conductivity of the aluminium. Full-surface bonding guarantees easy and quick installation. And thanks to reduced-connection technology, assembly time is minimized and the cost per square metre of installed ceiling is decreased.

The aquatherm black system high-performance modules can be used as a heating and cooling system. They are ideal for heating systems using renewable energies, such as heat pumps. The uniform heat or cold transmission by means of radiation ensures increased comfort. In addition, there are no draughts created or dust raised, as can be the case with blower-driven heating and cooling systems.

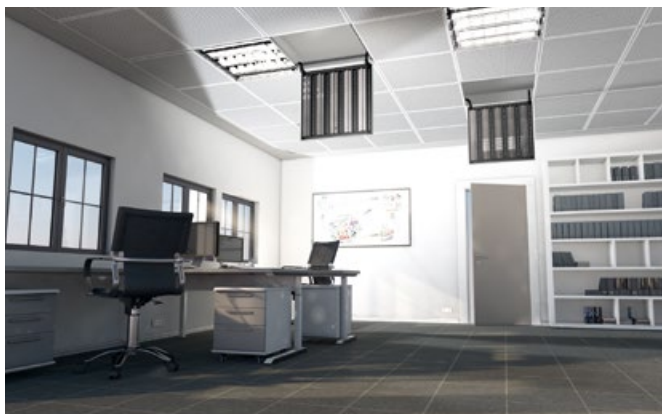
The aquatherm black system high-performance modules are available in three different variants:

- Plug & Play: grids with heat conducting plates and carrier plate
- WLT: grids with heat conducting plates
- Drywall-HLM: grids with heat conducting plates and carrier plate

Advantages

- *High heating and cooling performance due to excellent transmission surface contact*
- *Short assembly times thanks to pre-fabricated, self-adhesive modules*
- *Soundless and invisible*
- *No draughts or airborne dust blowing around*
- *Ideally suited for use with heat pump and condensing boiler technology due to low flow and return temperatures*
- *High sound absorption in metal ceiling panels with micro perforation or in perforated plasterboard plates*
- *Retrofittable into existing metal ceiling systems*

APPLICATION



METAL PANEL CEILING AS CLAMPING SYSTEM



THERMAL ACTIVE METAL CEILING SAIL

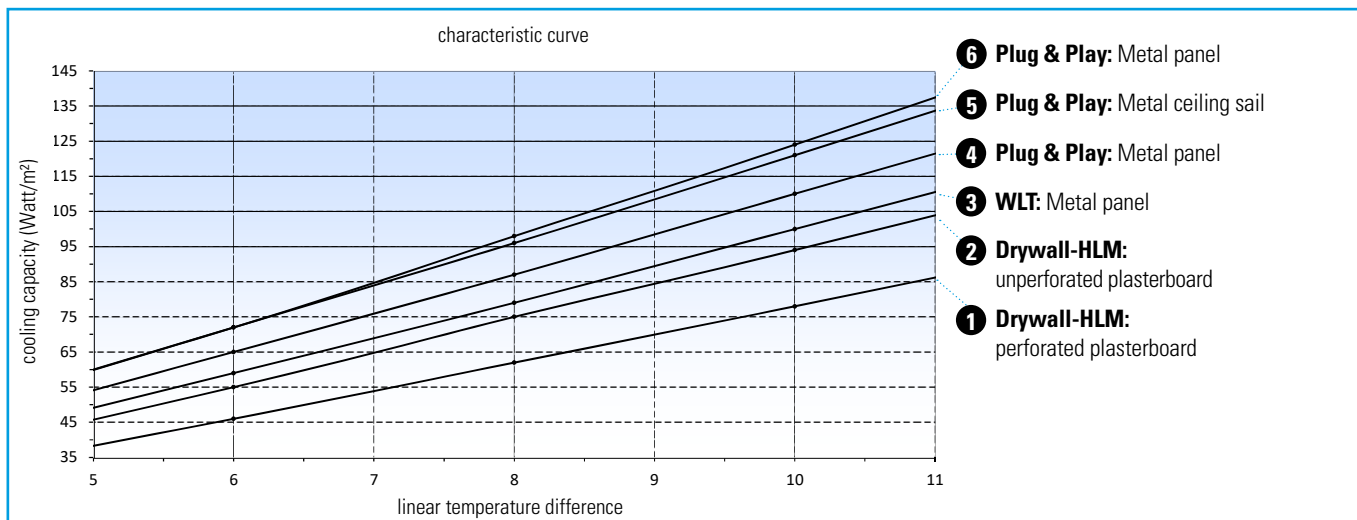


METAL PANEL CEILING AS STRIP GRID SYSTEM



CEILING SYSTEM WITH METAL SUBSTRUCTURE AND PLANKING WITH BUILDING BOARDS

Performance values of ceiling system with high-performance modules.
Standard **cooling** performance according to DIN EN 14240:2004-04



Calculation example for: Flow temperature 15° C / Return temperature 17° C

| Linear temperature difference K | | 6 | 8 | 10 |
|---------------------------------|--|----|----|-----|
| Room temperature °C | | 22 | 24 | 26 |
| 1 Drywall-HLM | perforated plasterboard with graphite content 10 mm 8/18R | 46 | 62 | 78 |
| 2 Drywall-HLM | unperforated plasterboard with high graphite content 10 mm | 55 | 75 | 94 |
| 3 WLT | Metal panel, with acoustic fleece | 59 | 79 | 100 |
| 4 Plug & Play | Metal panel, with acoustic fleece | 65 | 87 | 110 |
| 5 Plug & Play | Metal ceiling sail, with acoustic fleece | 72 | 96 | 121 |
| 6 Plug & Play | Metal panel, without acoustic fleece | 72 | 98 | 124 |

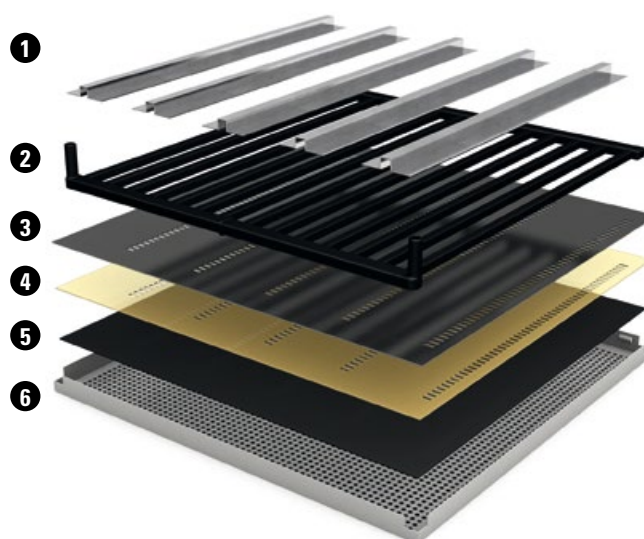
SYSTEM PLUG & PLAY

Application: metal panel

The Plug & Play high-performance modules consist of grid, heat conducting plates and aluminium carrier plate.

They are either inserted mechanically into the metal panel at factory and delivered to the site as complete package (system „activated“) or they are activated directly on site by manually pushing the modules into the existing metal panel (system „solo“). Retrofitting is also possible.

| Panel size a [mm] | Total module width b [mm] | associated grid width [mm] |
|-------------------------|---------------------------------|----------------------------------|
| > 300 bis ≤ 400 | 300 | 240 |
| > 400 bis ≤ 500 | 400 | 360 |
| > 500 bis ≤ 600 | 500 | 400 |
| > 600 bis ≤ 700 | 600 | 520 |
| > 700 bis ≤ 900 | 700 | 600 |
| > 900 | 900 | 800 |



1. Heat conduction plates
2. Heating/cooling grid
3. Carrier plate (self-adhesive)
4. Protective film (removed before bonding)
5. Acoustic fleece
6. Metal panel

SYSTEM WLT

Application: metal panel

The grids are installed in the factory with aluminium heat conduction plates in metal panels. The activated metal panels are delivered directly to the site. The finished metal panel elements only have to be hooked into the substructure and hydraulically connected.

| Panel size a [mm] | Total module width b [mm] | associated grid width [mm] |
|-------------------------|---------------------------------|----------------------------------|
| > 300 bis ≤ 400 | 300 | 240 280 |
| > 400 bis ≤ 500 | 400 | 320 360 |
| > 500 bis ≤ 600 | 500 | 400 480 |
| > 600 bis ≤ 700 | 600 | 520 560 |
| > 700 bis ≤ 900 | 700 | 600 680 |
| > 900 | 900 | 800 1000 |



1. Heat conduction plates
2. Heating/cooling grid
3. Acoustic fleece
4. Metal panel

SYSTEM DRYWALL-HLM

Application: drywall plasterboard ceilings

The aquatherm black system high-performance drywall-HLM modules consist of grid, heat conducting plates and aluminium carrier plate. For acoustic ceilings (perforated plasterboards ceilings), the aluminium carrier plate is perforated to ensure optimal sound absorption. The installation of the high-performance drywall-HLM modules is very easy: The modules are hooked into the supporting profiles of the substructure. Then the ceiling is covered with building boards. For this, e. g. plasterboards and perforated plasterboards with different thermal conductivities can be used.



1. Heat conduction plates
2. Heating/cooling grid
3. Carrier plate (closed or perforated)

| Center distance Substructure a [mm] | Total module width b [mm] | associated grid width [mm] |
|--|---------------------------------|----------------------------------|
| 333 | 263 | 240 |
| 400 | 330 | 320 |
| 500 | 430 | 400 |

ARTICLE STRUCTURE

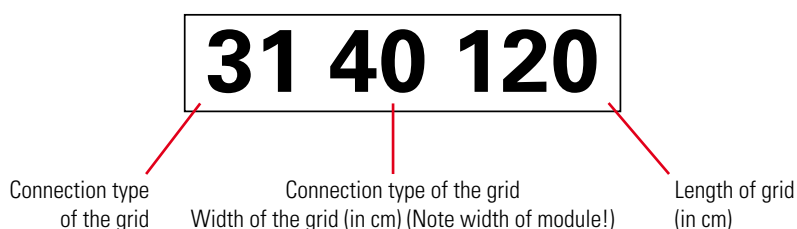
Available lengths: 600 up to 2500 mm

Graduation identical to aquatherm black system standard (see following page)
Special sizes and lengths up to 5.0 m on request!

| System | | Connection types | |
|------------------------|--|------------------|---------------|
| | | | |
| Plug & Play | Solo (Installation on metal panel on site) | ("43" xx xxx) | ("44" xx xxx) |
| | Activated (Pressed directly onto metal panel ex works) | ("45" xx xxx) | ("46" xx xxx) |
| WLT | | ("31" xx xxx) | ("32" xx xxx) |
| Drywall-HLM | Drywall with substructure Distance: 333 mm | ("36" xx xxx) | ("37" xx xxx) |
| | Drywall with substructure Distance: 400/500 mm | ("38" xx xxx) | ("39" xx xxx) |

aquatherm black system

Composition of the article numbers:



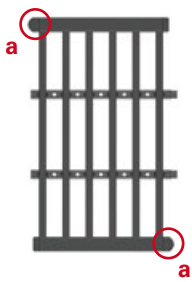


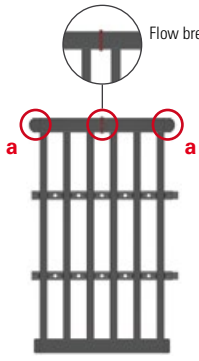


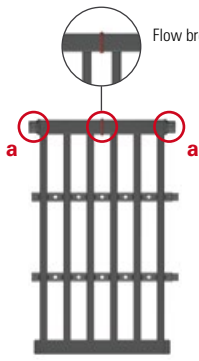


aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

Attention:

All grids are available in the mentioned connection types at same prices.

Simply replace the first two figures of the article number („52“xxxx) with those of the required type of connection (i. e. „62“ or „64“).

| Connection types of the grids | | | Art. no. | Wide/ m | Length/ m | Area/ m ² | PU | Price € pc |
|---|---|--|-----------------|------------|--------------|-------------------------|----|---------------|
| 52 | 62 | 64 | | | | | | |
|   Detail of connection a Connection type 52 = Plug connection 90° top left, lower right a Plug socket 16 mm  |   Detail of connection a Connection type 62 = Plug connection 90° left, right a Plug socket 16 mm  |   Detail of connection a Connection type 64 = welded connection left, right a Welding socket 16 mm  | 52 24040 | 0,24 | 0,40 | 0,10 | 1 | |
| | | | 52 24050 | 0,24 | 0,50 | 0,12 | 1 | |
| | | | 52 24060 | 0,24 | 0,60 | 0,14 | 1 | |
| | | | 52 24070 | 0,24 | 0,70 | 0,17 | 1 | |
| | | | 52 24080 | 0,24 | 0,80 | 0,19 | 1 | |
| | | | 52 24090 | 0,24 | 0,90 | 0,22 | 1 | |
| | | | 52 24100 | 0,24 | 1,00 | 0,24 | 1 | |
| | | | 52 24120 | 0,24 | 1,20 | 0,29 | 1 | |
| | | | 52 24140 | 0,24 | 1,40 | 0,34 | 1 | |
| | | | 52 24160 | 0,24 | 1,60 | 0,38 | 1 | |
| | | | 52 24180 | 0,24 | 1,80 | 0,43 | 1 | |
| | | | 52 24200 | 0,24 | 2,00 | 0,48 | 1 | |
| | | | 52 24225 | 0,24 | 2,25 | 0,54 | 1 | |
| | | | 52 24250 | 0,24 | 2,50 | 0,60 | 1 | |
| | | | 52 28040 | 0,28 | 0,40 | 0,11 | 1 | |
| | | | 52 28050 | 0,28 | 0,50 | 0,14 | 1 | |
| | | | 52 28060 | 0,28 | 0,60 | 0,17 | 1 | |
| | | | 52 28070 | 0,28 | 0,70 | 0,20 | 1 | |
| | | | 52 28080 | 0,28 | 0,80 | 0,22 | 1 | |
| | | | 52 28090 | 0,28 | 0,90 | 0,25 | 1 | |
| 52 28100 | 0,28 | 1,00 | 0,28 | 1 | | | | |
| 52 28120 | 0,28 | 1,20 | 0,34 | 1 | | | | |
| 52 28140 | 0,28 | 1,40 | 0,39 | 1 | | | | |
| 52 28160 | 0,28 | 1,60 | 0,45 | 1 | | | | |
| 52 28180 | 0,28 | 1,80 | 0,50 | 1 | | | | |
| 52 28200 | 0,28 | 2,00 | 0,56 | 1 | | | | |
| 52 28225 | 0,28 | 2,25 | 0,63 | 1 | | | | |
| 52 28250 | 0,28 | 2,50 | 0,70 | 1 | | | | |

Special sizes and lengths up to 5.0 m on request.

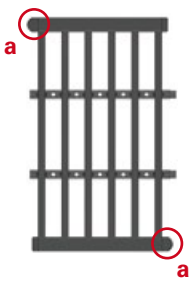


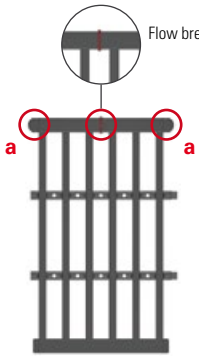


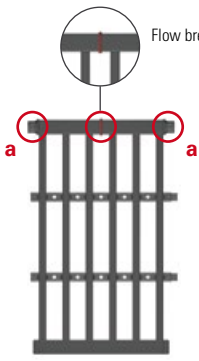


aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

Attention:

All grids are available in the mentioned connection types at same prices.

Simply replace the first two figures of the article number („52“xxxx) with those of the required type of connection (i. e. „62“ or „64“).

| Connection types of the grids | | | Art. no. | Wide/ m | Length/ m | Area/ m ² | PU | Price € pc |
|--|---|--|-----------------|------------|--------------|-------------------------|----|---------------|
| 52 | 62 | 64 | | | | | | |
|   Detail of connection a Connection type 52 = Plug connection 90° top left, lower right a Plug socket 16 mm  |   Detail of connection a Connection type 62 = Plug connection 90° left, right a Plug socket 16 mm  |   Detail of connection a Connection type 64 = welded connection left, right a Welding socket 16 mm  | 52 32040 | 0,32 | 0,40 | 0,13 | 1 | |
| | | | 52 32050 | 0,32 | 0,50 | 0,16 | 1 | |
| | | | 52 32060 | 0,32 | 0,60 | 0,19 | 1 | |
| | | | 52 32070 | 0,32 | 0,70 | 0,22 | 1 | |
| | | | 52 32080 | 0,32 | 0,80 | 0,26 | 1 | |
| | | | 52 32090 | 0,32 | 0,90 | 0,29 | 1 | |
| | | | 52 32100 | 0,32 | 1,00 | 0,32 | 1 | |
| | | | 52 32120 | 0,32 | 1,20 | 0,38 | 1 | |
| | | | 52 32140 | 0,32 | 1,40 | 0,45 | 1 | |
| | | | 52 32160 | 0,32 | 1,60 | 0,51 | 1 | |
| | | | 52 32180 | 0,32 | 1,80 | 0,58 | 1 | |
| | | | 52 32200 | 0,32 | 2,00 | 0,64 | 1 | |
| | | | 52 32225 | 0,32 | 2,25 | 0,72 | 1 | |
| | | | 52 32250 | 0,32 | 2,50 | 0,80 | 1 | |
| | | | 52 36040 | 0,36 | 0,40 | 0,14 | 1 | |
| 52 36050 | 0,36 | 0,50 | 0,18 | 1 | | | | |
| 52 36060 | 0,36 | 0,60 | 0,22 | 1 | | | | |
| 52 36070 | 0,36 | 0,70 | 0,25 | 1 | | | | |
| 52 36080 | 0,36 | 0,80 | 0,29 | 1 | | | | |
| 52 36090 | 0,36 | 0,90 | 0,32 | 1 | | | | |
| 52 36100 | 0,36 | 1,00 | 0,36 | 1 | | | | |
| 52 36120 | 0,36 | 1,20 | 0,43 | 1 | | | | |
| 52 36140 | 0,36 | 1,40 | 0,50 | 1 | | | | |
| 52 36160 | 0,36 | 1,60 | 0,58 | 1 | | | | |
| 52 36180 | 0,36 | 1,80 | 0,65 | 1 | | | | |
| 52 36200 | 0,36 | 2,00 | 0,72 | 1 | | | | |
| 52 36225 | 0,36 | 2,25 | 0,81 | 1 | | | | |
| 52 36250 | 0,36 | 2,50 | 0,90 | 1 | | | | |

Special sizes and lengths up to 5.0 m on request.

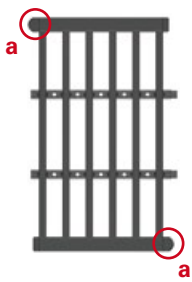

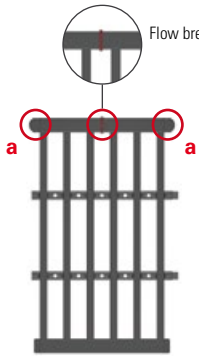

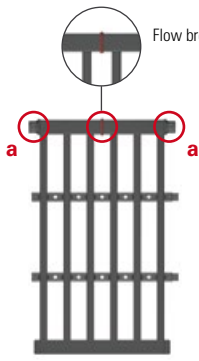

aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

Attention:

All grids are available in the mentioned connection types at same prices.

Simply replace the first two figures of the article number („52“xxxx) with those of the required type of connection (i. e. „62“ or „64“).

| Connection types of the grids | | | Art. no. | Wide/ m | Length/ m | Area/ m ² | PU | Price € pc |
|---|---|---|-----------------|------------|--------------|-------------------------|----|---------------|
| 52 | 62 | 64 | | | | | | |
|   Detail of connection a |   Detail of connection a |   Detail of connection a | 52 40040 | 0,40 | 0,40 | 0,16 | 1 | |
| | | | 52 40050 | 0,40 | 0,50 | 0,20 | 1 | |
| | | | 52 40060 | 0,40 | 0,60 | 0,24 | 1 | |
| | | | 52 40070 | 0,40 | 0,70 | 0,28 | 1 | |
| | | | 52 40080 | 0,40 | 0,80 | 0,32 | 1 | |
| | | | 52 40090 | 0,40 | 0,90 | 0,36 | 1 | |
| | | | 52 40100 | 0,40 | 1,00 | 0,40 | 1 | |
| | | | 52 40120 | 0,40 | 1,20 | 0,48 | 1 | |
| | | | 52 40140 | 0,40 | 1,40 | 0,56 | 1 | |
| | | | 52 40160 | 0,40 | 1,60 | 0,64 | 1 | |
| 52 40180 | 0,40 | 1,80 | 0,72 | 1 | | | | |
| 52 40200 | 0,40 | 2,00 | 0,80 | 1 | | | | |
| 52 40225 | 0,40 | 2,25 | 0,90 | 1 | | | | |
| 52 40250 | 0,40 | 2,50 | 1,00 | 1 | | | | |
| | | | 52 48040 | 0,48 | 0,40 | 0,19 | 1 | |
| | | | 52 48050 | 0,48 | 0,50 | 0,24 | 1 | |
| | | | 52 48060 | 0,48 | 0,60 | 0,29 | 1 | |
| | | | 52 48070 | 0,48 | 0,70 | 0,34 | 1 | |
| | | | 52 48080 | 0,48 | 0,80 | 0,38 | 1 | |
| | | | 52 48090 | 0,48 | 0,90 | 0,43 | 1 | |
| | | | 52 48100 | 0,48 | 1,00 | 0,48 | 1 | |
| | | | 52 48120 | 0,48 | 1,20 | 0,58 | 1 | |
| | | | 52 48140 | 0,48 | 1,40 | 0,67 | 1 | |
| | | | 52 48160 | 0,48 | 1,60 | 0,77 | 1 | |
| | | | 52 48180 | 0,48 | 1,80 | 0,86 | 1 | |
| | | | 52 48200 | 0,48 | 2,00 | 0,96 | 1 | |
| | | | 52 48225 | 0,48 | 2,25 | 1,08 | 1 | |
| | | | 52 48250 | 0,48 | 2,50 | 1,20 | 1 | |

Special sizes and lengths up to 5.0 m on request.

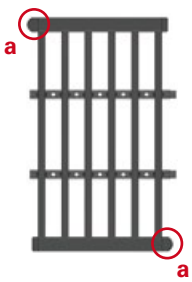


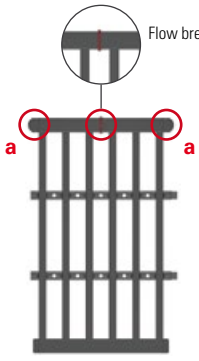


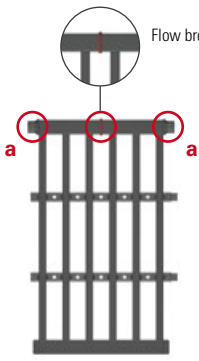


aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

Attention:

All grids are available in the mentioned connection types at same prices.

Simply replace the first two figures of the article number („52“xxxx) with those of the required type of connection (i. e. „62“ or „64“).

| Connection types of the grids | | | Art. no. | Wide/ m | Length/ m | Area/ m ² | PU | Price € pc |
|--|---|--|-----------------|------------|--------------|-------------------------|----|---------------|
| 52 | 62 | 64 | | | | | | |
|   Detail of connection a Connection type 52 = Plug connection 90° top left, lower right a Plug socket 16 mm  |   Detail of connection a Connection type 62 = Plug connection 90° left, right a Plug socket 16 mm  |   Detail of connection a Connection type 64 = welded connection left, right a Welding socket 16 mm  | 52 52040 | 0,52 | 0,40 | 0,21 | 1 | |
| | | | 52 52050 | 0,52 | 0,50 | 0,26 | 1 | |
| | | | 52 52060 | 0,52 | 0,60 | 0,31 | 1 | |
| | | | 52 52070 | 0,52 | 0,70 | 0,36 | 1 | |
| | | | 52 52080 | 0,52 | 0,80 | 0,42 | 1 | |
| | | | 52 52090 | 0,52 | 0,90 | 0,47 | 1 | |
| | | | 52 52100 | 0,52 | 1,00 | 0,52 | 1 | |
| | | | 52 52120 | 0,52 | 1,20 | 0,62 | 1 | |
| | | | 52 52140 | 0,52 | 1,40 | 0,73 | 1 | |
| | | | 52 52160 | 0,52 | 1,60 | 0,83 | 1 | |
| | | | 52 52180 | 0,52 | 1,80 | 0,94 | 1 | |
| | | | 52 52200 | 0,52 | 2,00 | 1,04 | 1 | |
| | | | 52 52225 | 0,52 | 2,25 | 1,17 | 1 | |
| | | | 52 52250 | 0,52 | 2,50 | 1,30 | 1 | |
| | | | 52 56040 | 0,56 | 0,40 | 0,22 | 1 | |
| | | | 52 56050 | 0,56 | 0,50 | 0,28 | 1 | |
| | | | 52 56060 | 0,56 | 0,60 | 0,34 | 1 | |
| | | | 52 56070 | 0,56 | 0,70 | 0,39 | 1 | |
| | | | 52 56080 | 0,56 | 0,80 | 0,45 | 1 | |
| | | | 52 56090 | 0,56 | 0,90 | 0,50 | 1 | |
| 52 56100 | 0,56 | 1,00 | 0,56 | 1 | | | | |
| 52 56120 | 0,56 | 1,20 | 0,67 | 1 | | | | |
| 52 56140 | 0,56 | 1,40 | 0,78 | 1 | | | | |
| 52 56160 | 0,56 | 1,60 | 0,90 | 1 | | | | |
| 52 56180 | 0,56 | 1,80 | 1,01 | 1 | | | | |
| 52 56200 | 0,56 | 2,00 | 1,12 | 1 | | | | |
| 52 56225 | 0,56 | 2,25 | 1,26 | 1 | | | | |
| 52 56250 | 0,56 | 2,50 | 1,40 | 1 | | | | |

Special sizes and lengths up to 5.0 m on request.

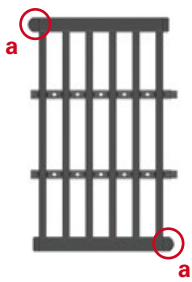

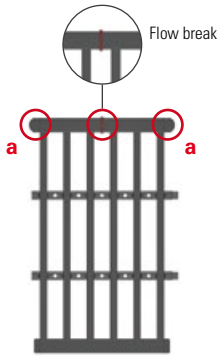

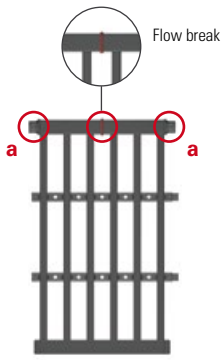

aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

Attention:

All grids are available in the mentioned connection types at same prices.

Simply replace the first two figures of the article number („52“xxxx) with those of the required type of connection (i. e. „62“ or „64“).

| Connection types of the grids | | | Art. no. | Wide/ m | Length/ m | Area/ m ² | PU | Price € pc |
|---|---|--|-----------------|------------|--------------|-------------------------|----|---------------|
| 52 | 62 | 64 | | | | | | |
|  <p>Detail of connection a</p> <p>Connection type 52 = Plug connection 90° top left, lower right</p> <p>a Plug socket 16 mm</p>  |  <p>Flow break</p> <p>Detail of connection a</p> <p>Connection type 62 = Plug connection 90° left, right</p> <p>a Plug socket 16 mm</p>  |  <p>Flow break</p> <p>Detail of connection a</p> <p>Connection type 64 = welded connection left, right</p> <p>a Welding socket 16 mm</p>  | 52 60040 | 0,60 | 0,40 | 0,24 | 1 | |
| | | | 52 60050 | 0,60 | 0,50 | 0,30 | 1 | |
| | | | 52 60060 | 0,60 | 0,60 | 0,36 | 1 | |
| | | | 52 60070 | 0,60 | 0,70 | 0,42 | 1 | |
| | | | 52 60080 | 0,60 | 0,80 | 0,48 | 1 | |
| | | | 52 60090 | 0,60 | 0,90 | 0,54 | 1 | |
| | | | 52 60100 | 0,60 | 1,00 | 0,60 | 1 | |
| | | | 52 60120 | 0,60 | 1,20 | 0,72 | 1 | |
| | | | 52 60140 | 0,60 | 1,40 | 0,84 | 1 | |
| | | | 52 60160 | 0,60 | 1,60 | 0,96 | 1 | |
| | | | 52 60180 | 0,60 | 1,80 | 1,08 | 1 | |
| | | | 52 60200 | 0,60 | 2,00 | 1,20 | 1 | |
| | | | 52 60225 | 0,60 | 2,25 | 1,35 | 1 | |
| | | | 52 60250 | 0,60 | 2,50 | 1,50 | 1 | |
| | | | 52 68040 | 0,68 | 0,40 | 0,27 | 1 | |
| | | | 52 68050 | 0,68 | 0,50 | 0,34 | 1 | |
| | | | 52 68060 | 0,68 | 0,60 | 0,41 | 1 | |
| | | | 52 68070 | 0,68 | 0,70 | 0,48 | 1 | |
| | | | 52 68080 | 0,68 | 0,80 | 0,54 | 1 | |
| | | | 52 68090 | 0,68 | 0,90 | 0,61 | 1 | |
| 52 68100 | 0,68 | 1,00 | 0,68 | 1 | | | | |
| 52 68120 | 0,68 | 1,20 | 0,82 | 1 | | | | |
| 52 68140 | 0,68 | 1,40 | 0,95 | 1 | | | | |
| 52 68160 | 0,68 | 1,60 | 1,09 | 1 | | | | |
| 52 68180 | 0,68 | 1,80 | 1,22 | 1 | | | | |
| 52 68200 | 0,68 | 2,00 | 1,36 | 1 | | | | |
| 52 68225 | 0,68 | 2,25 | 1,53 | 1 | | | | |
| 52 68250 | 0,68 | 2,50 | 1,70 | 1 | | | | |

Special sizes and lengths up to 5.0 m on request.

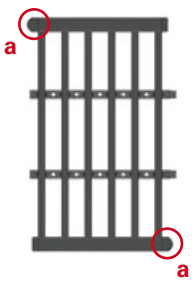
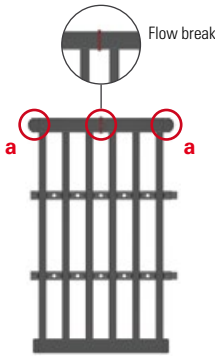
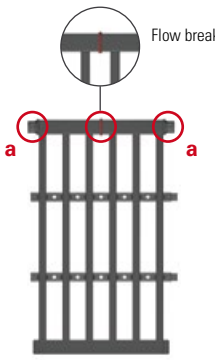






aquatherm black system HEATING AND COOLING GRIDS

oxygen-tight (incl. proportionate number of fixing rails depending on the type of connection)

Attention:

All grids are available in the mentioned connection types at same prices.

Simply replace the first two figures of the article number („52“xxxx) with those of the required type of connection (i. e. „62“ or „64“).

| Connection types of the grids | | | Art. no. | Wide/ m | Length/ m | Area/ m ² | PU | Price € pc |
|--|---|--|-----------------|------------|--------------|-------------------------|----|---------------|
| 52 | 62 | 64 | | | | | | |
|  |  |  | 52 80040 | 0,80 | 0,40 | 0,32 | 1 | |
| | | | 52 80050 | 0,80 | 0,50 | 0,40 | 1 | |
| | | | 52 80060 | 0,80 | 0,60 | 0,48 | 1 | |
| | | | 52 80070 | 0,80 | 0,70 | 0,56 | 1 | |
| | | | 52 80080 | 0,80 | 0,80 | 0,64 | 1 | |
| | | | 52 80090 | 0,80 | 0,90 | 0,72 | 1 | |
| | | | 52 80100 | 0,80 | 1,00 | 0,80 | 1 | |
| | | | 52 80120 | 0,80 | 1,20 | 0,96 | 1 | |
| | | | 52 80140 | 0,80 | 1,40 | 1,12 | 1 | |
| | | | 52 80160 | 0,80 | 1,60 | 1,28 | 1 | |
| 52 80180 | 0,80 | 1,80 | 1,44 | 1 | | | | |
| 52 80200 | 0,80 | 2,00 | 1,60 | 1 | | | | |
| 52 80225 | 0,80 | 2,25 | 1,80 | 1 | | | | |
| 52 80250 | 0,80 | 2,50 | 2,00 | 1 | | | | |
|  <p>Detail of connection a</p> <p>Connection type 52 = Plug connection 90° top left, lower right</p> <p>a Plug socket 16 mm</p>  |  <p>Detail of connection a</p> <p>Connection type 62 = Plug connection 90° left, right</p> <p>a Plug socket 16 mm</p>  |  <p>Detail of connection a</p> <p>Connection type 64 = welded connection left, right</p> <p>a Welding socket 16 mm</p>  | 52 00040 | 1,00 | 0,40 | 0,40 | 1 | |
| | | | 52 00050 | 1,00 | 0,50 | 0,50 | 1 | |
| | | | 52 00060 | 1,00 | 0,60 | 0,60 | 1 | |
| | | | 52 00070 | 1,00 | 0,70 | 0,70 | 1 | |
| | | | 52 00080 | 1,00 | 0,80 | 0,80 | 1 | |
| | | | 52 00090 | 1,00 | 0,90 | 0,90 | 1 | |
| | | | 52 00100 | 1,00 | 1,00 | 1,00 | 1 | |
| | | | 52 00120 | 1,00 | 1,20 | 1,20 | 1 | |
| | | | 52 00140 | 1,00 | 1,40 | 1,40 | 1 | |
| | | | 52 00160 | 1,00 | 1,60 | 1,60 | 1 | |
| 52 00180 | 1,00 | 1,80 | 1,80 | 1 | | | | |
| 52 00200 | 1,00 | 2,00 | 2,00 | 1 | | | | |
| 52 00225 | 1,00 | 2,25 | 2,25 | 1 | | | | |
| 52 00250 | 1,00 | 2,50 | 2,50 | 1 | | | | |

Special sizes and lengths up to 5.0 m on request.

aquatherm black system HEATING AND COOLING GRID FOR CEILING PANELS

retractable, oxygen-tight, with one-side 90° plug connection and flow break

| Art. no. | Dimension grid | Dimension ceiling panel | PU | Price € pc |
|----------------|-------------------------------|-------------------------|----|------------|
| 6256060 | 56x60cm = 0,34m ² | 62,5x62,5cm | 1 | |
| 6256118 | 56x118cm = 0,66m ² | 62,5x125cm | 1 | |

Forced flow by in-centre welded blind plug in the main pipe, which offers a one-side connection of the grids among each other.

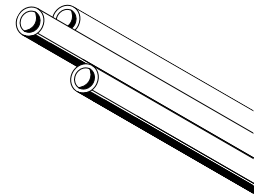
Special size on request!



aquatherm black system PP-GRID CONNECTION PIPE

with oxygen barrier

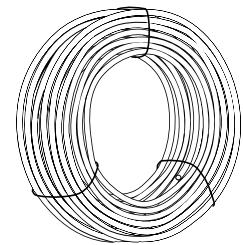
| Art. no. | Dimension [mm] | Length [m] | PU | Price € m |
|--------------|----------------|------------|-----|-----------|
| 81006 | 16 | 4 | 100 | |
| 81008 | 20 | 2,5 | 50 | |



aquatherm black system PP-GRID CONNECTION PIPE

with oxygen barrier, in ring

| Art. no. | Dimension [mm] | PU | Price € m |
|--------------|----------------|-----|-----------|
| 81026 | 16 | 100 | |
| 81028 | 20 | 100 | |



aquatherm black system CORRUGATED CONNECTING PIPE

with oxygen barrier, in ring

| Art. no. | Dimension | PU | Price € m |
|--------------|-----------|----|-----------|
| 81039 | | 50 | |

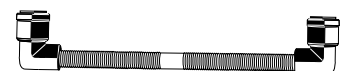
Connectable by welding with Art. 81288, 81290, 81291 separable every 50 cm



aquatherm black system CORRUGATED CONNECTING PIPE

with oxygen barrier, for connection types 52, 62 and 64

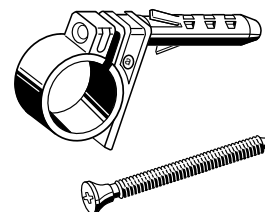
| Art. no. | Dimension | PU | Price € pc |
|--------------|---|----|------------|
| 81031 | 50 cm 1 x plug elbow 90° and welding socket 16 mm | 1 | |
| 81032 | 50 cm with 2 x plug elbow 90° | 1 | |
| 81035 | 150 cm with 2 x plug elbow 90° | 1 | |
| 81038 | 100 cm with 2 x plug elbow 90° | 1 | |
| 81044 | 50 cm with 2 x welding elbow 90° | 1 | |
| 81047 | 100 cm with 2 x welding elbow 90° | 1 | |
| 81048 | 150 cm with 2 x welding elbow 90° | 1 | |
| 81049 | 50 cm with 1 x welding elbow 90° and 1 x welding socket 16 mm | 1 | |



PLASTIC PIPE CLAMPS

| Art. no. | For pipe dimension [mm] | PU | Price € pc |
|----------|-------------------------|----|------------|
| 60716 | 16 | 50 | |
| 60720 | 20 | 50 | |

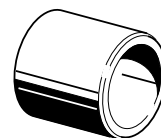
Colour: anthracite



aquatherm black system SOCKET

for heating and cooling grids

| Art. no. | Dimension [mm] | PU | Price € pc |
|----------|----------------|----|------------|
| 81050 | 16 | 10 | |



aquatherm black system ELBOW 90°

for heating and cooling grids

| Art. no. | Dimension [mm] | PU | Price € pc |
|----------|----------------|----|------------|
| 81060 | 16 | 10 | |



aquatherm black system END CAP

for heating and cooling grids

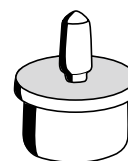
| Art. no. | Dimension [mm] | PU | Price € pc |
|----------|----------------|----|------------|
| 81080 | 16 | 10 | |



aquatherm black system PP-R MALE END PLUG

for heating and cooling grids (for old type of connection 50)

| Art. no. | Dimension [mm] | PU | Price € pc |
|----------|----------------|----|------------|
| 81092 | 16 | 10 | |



aquatherm black system ELBOW 90°

male/female

| Art. no. | Dimension [mm] | PU | Price € pc |
|----------|----------------|----|------------|
| 81065 | 16 | 10 | |



aquatherm black system MAGNET HOLDER

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|------------|
| 81286 | | 50 | |



GRID FIXING IN METAL CEILINGS WITH HOLDING-DOWN MAGNET

aquatherm black system heating and cooling grids are connected with the metal ceiling plate by special custom-made holding-down magnets. The magnets guarantee a safe fixing and the optimum heat conducting connection between heating- and cooling grids and the metal panel. The fixing of heating- and cooling grids with holding-down magnets is performed after inserting the grids into the metal panel plates during the ceiling mounting at site. The demand for holding-down magnets depends on the dimension of the metal panel, basically plan with approx. 4 magnets per square meter.

Adhesive and solvent for sticking the aquatherm grids into metal ceiling panels can directly be bought at the manufacturer Wakol GmbH (www.wakol.de). The manufacturer's instructions are to be considered!

Article description adhesive: L1720 ROT

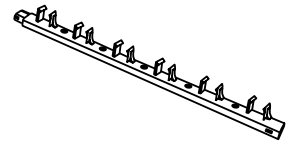
Article description solvent: Löser 31



aquatherm black system **FIXING RAIL**

for heating and cooling grids

| Art. no. | Dimension | PU | Price € pc |
|--------------|-------------------------------|----|---------------|
| 81506 | Länge = aqt black system 24cm | 10 | |



aquatherm black system **WALL BRACKET**

for heating and cooling grids at wall heating- and cooling systems for drywall

| Art. no. | Dimension | PU | Price € pc |
|--------------|-----------|----|---------------|
| 81296 | | 10 | |



aquatherm black system **FIXING RAIL FOR DRY WALL**

for heating and cooling grids

| Art. no. | Dimension | PU | Price € pc |
|--------------|-----------|----|---------------|
| 81297 | | 10 | |

Please note, when ordering the fixing rail for drywall Art. no. 81297, that for each rail two connection plugs with the Art. no. 81301 have to be ordered.

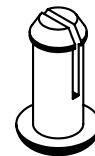


aquatherm black system **CONNECTING PLUG**

| Art. no. | PU | Price € pc |
|--------------|----|---------------|
| 81301 | 1 | |

In connection with Art. no. 81297 for fixing the heating-cooling grids in case of ceiling system with metal substructure.

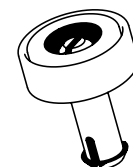
In connection with Art. no. 81304 (perforated tape) for fixing the heating-cooling grids in case of wall systems with metal substructure.



aquatherm black system **MAGNET CLIP**

| Art. no. | PU | Price € pc |
|--------------|----|---------------|
| 81302 | 50 | |

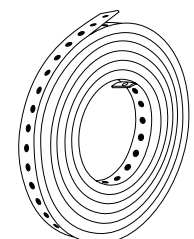
In connection with art. no. 81506 for fixing the heating-cooling grids in case of ceiling systems with metal substructure.



aquatherm black system **PERFORATED TAPE**

| Art. no. | Dimension | PU | Price € pc |
|--------------|--------------|----|---------------|
| 81304 | 10 m x 19 mm | 1 | |

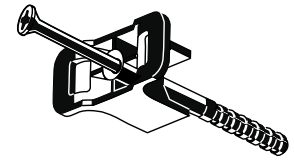
In connection with art. no. 81301 for fixing the heating-cooling grids in case of wall systems with metal substructure.



aquatherm black system **FIXING CLAMP WITH WALL PLUG**

for wall and ceiling installation

| Art. no. | Dimension | PU | Price € pc |
|--------------|-----------|----|---------------|
| 81298 | | 10 | |



aquatherm black system **THERMOGRAPHY FILM**

place at the wall for indicating the position of the pipe by colour changing

| Art. no. | Dimension | PU | Price € pc |
|--------------|-----------|----|---------------|
| 50186 | 160x70mm | 1 | |

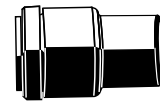


aquatherm black system **CONNECTOR**

one-sided pushfit connection/one-sided PP-R 16 mm

| Art. no. | Dimension [mm] | PU | Price € pc |
|--------------|-------------------|----|---------------|
| 81288 | 16 | 20 | |

with safety pin

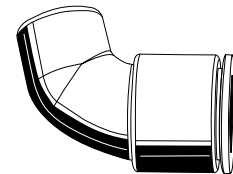


aquatherm black system **90° ELBOW-ADAPTER**

onesided plugable/onesided PP-R 16 mm weldable

| Art. no. | Dimension [mm] | PU | Price € pc |
|--------------|-------------------|----|---------------|
| 81290 | 16 | 10 | |

with safety pin

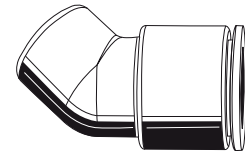


aquatherm black system **45° ELBOW-ADAPTER**

onesided plugable/onesided PP-R 16 mm weldable

| Art. no. | Dimension [mm] | PU | Price € pc |
|--------------|-------------------|----|---------------|
| 81291 | 16 | 10 | |

with safety pin

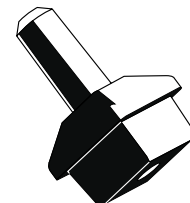


aquatherm black system **SEALING PLUG**

for wall and ceiling grids

| Art. no. | Dimension [mm] | PU | Price € pc |
|--------------|-------------------|----|---------------|
| 81091 | 12 | 10 | |

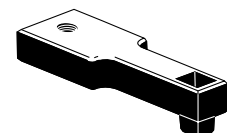
welding tool for sealing plug Art. no. 50285 see tools



aquatherm black system **WELDING TOOL**

| Art. no. | Dimension | PU | Price € pc |
|--------------|-----------|----|---------------|
| 50285 | 12x12 mm | 1 | |

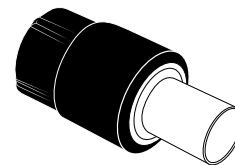
for sealing plug Art. no. 81091



aquatherm black system TRANSITION ADAPTER

| Art. no. | Dimension | PU | Price € pc |
|--------------|---|----|---------------|
| 81097 | aquatherm black system with press connection | 10 | |

e.g. for connecting existing metal pipes



aquatherm black system TRANSITION ADAPTER

| Art. no. | Dimension | PU | Price € pc |
|--------------|--|----|---------------|
| 81292 | aquatherm black system to aquatherm orange system 16 mm | 10 | |

The adapter can be connected by the known sliding sleeve technology with the aquatherm black system.



STARTER KIT SHOWER

consists of:

| Art. no. | Quantity | No. | Description | PU | Price € pc |
|--------------|-----------|---------|-----------------------------------|----|---------------|
| 81800 | 2 pieces | 6424160 | grids 24 x 160 mm | 1 | |
| | 1 piece | 6460160 | grids 60 x 160 mm | | |
| | 4 pieces | 81006 | OT pipe 16 x 2,0 mm; length 2,0 m | | |
| | 10 pieces | 81050 | socket 16 mm | | |
| | 10 pieces | 81060 | elbow 90° 16 mm | | |
| | 10 pieces | 60716 | fixing clamp 16 mm | | |
| | 3 pieces | 81296 | wall bracket | | |
| | 3 pieces | 81301 | connecting plug | | |
| | 10 pieces | 81298 | fixing clamp with wall plug | | |





aquatherm orange system

SURFACE HEATING AND COOLING SYSTEMS

Developed 40 years ago as one of the first surface heating systems, it formed the basis for the aquatherm company and soon became successful on the market.

aquatherm orange system is designed for industrial or sports floor heating. The surface-heating pipe combines many advantages. It consists of the durable and corrosion-resistant material polyethylene, which ensures resistance to stress cracks and very good long-term internal pressure performance combined with high flexibility. Even at higher temperatures, the aquatherm orange system is characterized by excellent creep strength. The heating pipe is provided with an oxygen barrier according to DIN EN 1264. aquatherm orange system can also be used as radiator connection pipe.

Combining **aquatherm orange system** underfloor heating systems with **aquatherm green pipe** or **aquatherm blue pipe** complete solutions are available for:

- ▶ Open space heating
- ▶ Industrial floor heating
- ▶ Sports floor heating
- ▶ Under-soil heating



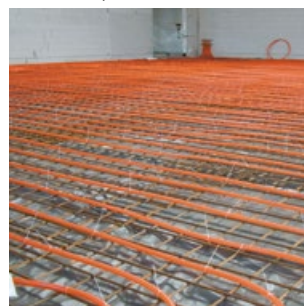
FIELDS OF APPLICATION



Flexible sports floor



Undersoil pitch heating



Industrial floor heating

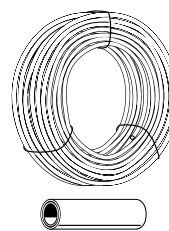
aquatherm orange system SURFACE HEATING AND RADIATOR CONNECTING PIPE (PE-RT)

with oxygen barrier according to DIN 4726/16833

| Art. no. | Dimension [mm] | PU | Price € m |
|----------|----------------|-----|-----------|
| 90026 | 16x2,0mm | 250 | |
| 90036 | 16x2,0mm | 500 | |
| 90037 | 17x2,0mm | 500 | |
| 90028 | 20x2,0mm | 250 | |
| 90038 | 20x2,0mm | 500 | |
| 90030 | 25x2,3mm | 250 | |

Material: PE-RT with EVOH coating, oxygen barrier according to DIN 4721/4726/16833

Colour: red

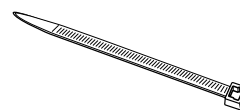


aquatherm orange system CABLE TIE

for industrial surface heating

| Art. no. | Dimension | PU | Price € pc |
|----------|----------------|-----|------------|
| 99086 | Length: 200 mm | 100 | |

Please note: Packung Unit = 100

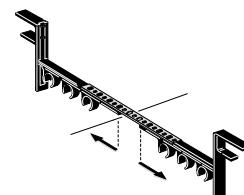


aquatherm orange system PIPE GUIDING RAIL

for surface flexible sports floor, adjustable in length and height

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|-----|------------|
| 90510 | Ø 20 mm | 150 | |

Material: Polyamid

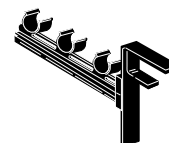


aquatherm orange system END RAIL

for surface flexible sports floor, adjustable in height

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|------------|
| 90511 | Ø 20 mm | 20 | |

Material: Polyamid

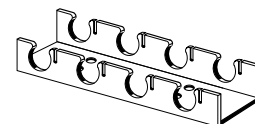


aquatherm orange system PROFILE RAIL

for industrial heating

| Art. no. | Dimension | PU | Price € m |
|----------|-----------|----|-----------|
| 90518 | Ø 20 mm | 2 | |

Material: Polyamid

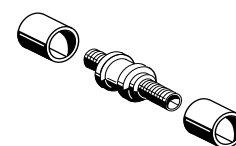


aquatherm orange system COUPLING

for PE-RT pipes, including sliding sleeve

| Art. no. | Dimension [mm] | PU | Price € pc |
|----------|----------------|----|------------|
| 79210 | 16 | 2 | |
| 79212 | 20 | 2 | |

Material: brass

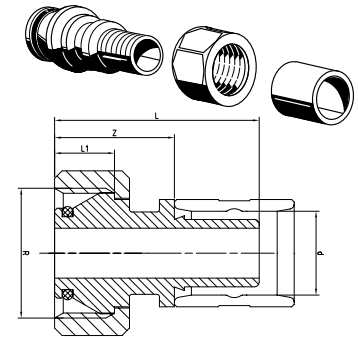


aquatherm grey pipe EUROCONUS ADAPTER

including sliding sleeve

| Art. no. | d [mm] | R | Z [mm] | L [mm] | L1 [mm] | PU | Price € pc |
|----------|--------|------|--------|--------|---------|----|------------|
| 79220 | 16 | G3/4 | 24,00 | 41,00 | 12,00 | 2 | |
| 79222 | 20 | G3/4 | 30,00 | 47,00 | 15,00 | 2 | |

Material: brass
for customary manifolds/joints

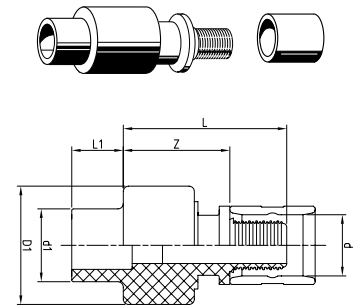


aquatherm orange system ADAPTER

to aquatherm green pipe fittings including sliding sleeve, for PE-RT

| Art. no. | Dimension | d1 [mm] | d [mm] | D1 [mm] | Z [mm] | L [mm] | L1 [mm] | PU | Price € pc |
|----------|---|---------|--------|---------|--------|--------|---------|----|------------|
| 78300 | aquatherm green pipe 20 mm x aquatherm orange system 16 mm | 20 | 16 | 32,5 | 30,0 | 46,0 | 14,5 | 2 | |
| 78302 | aquatherm green pipe 20 mm x aquatherm orange system 20 mm | 20 | 20 | 34,5 | 30,0 | 47,0 | 11,0 | 2 | |

Material: PP-R/brass

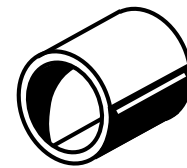


aquatherm grey pipe SPARE SLIDING SLEEVE

for PB pipes

| Art. no. | Dimension [mm] | PU | Price € pc |
|----------|----------------|----|------------|
| 79990 | 16 | 10 | |
| 79992 | 20 | 10 | |
| 79994 | 25 | 10 | |

Material: brass

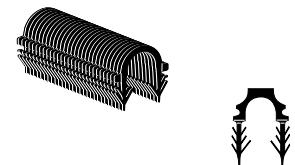


aquatherm PIPE CLAMP

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|-------------------|-----|------------|
| 90504 | ø 14-20 mm tacker | 500 | |

for aquatherm orange system underfloor heating pipes
Material: Polyamid



aquatherm TACKER

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|------------|
| 96003 | | 1 | |

Note: Applicable with Art. no. 90504
for fixing of heating pipe with pipe clips on the aquatherm orange system system elements

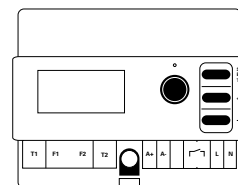


AUTOMATIC CONTROL FOR KEEPING AREAS SNOW-AND ICE-FREE

aquatherm orange system DIGITAL ICE- AND SNOW DETECTOR

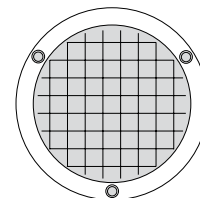
for activating open space heating systems if required

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 99258 | | 1 | |



aquatherm orange system OPEN SPACE SENSOR

| Art. no. | Dimension | PU | Price € pc |
|----------|----------------|----|---------------|
| 99259 | diameter 68 mm | 1 | |





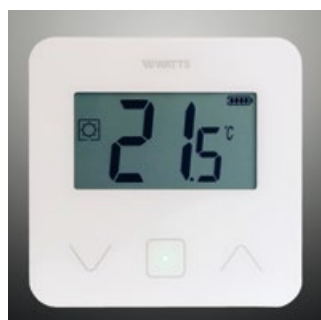
aquatherm control components

FOR AQUATHERM BLACK SYSTEM AND AQUATHERM ORANGE SYSTEM

The aquatherm radio control system combines latest Smart Home and IoT technology for all building types. The intelligent control technology communicates radio-controlled between the central radio unit, room thermostates and radio control distributors. The system is used to control the aquatherm surface heating and cooling systems. In case of cooling, dew point monitoring is realized by means of room thermostat with integrated hygrostat and external temperature sensor.

An integrated WiFi module provides access via smartphone or tablet. Thus, the heating and cooling system can be constantly monitored and adjusted.

The entire system is completed by the aquatherm heating and cooling circuit distributors. aquatherm heating and cooling circuit distributors enable an individual adjustment of volume flows via regulating valves. The distributors are delivered in a pre-assembled and ready-to-connect version.



Radio room thermostat



Central control with touch screen display



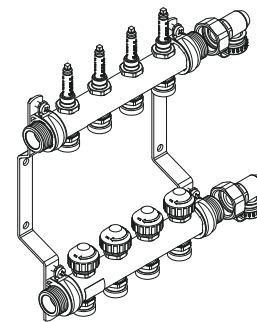
Control distributor

NEW aquatherm HEATING CIRCUIT MANIFOLD WITH FLOW INDICATOR

screwed joints and ball valves have to be ordered separately

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|--|----|---------------|
| 94402 | Stainless steel 2-fold flow indicator | 1 | |
| 94403 | Stainless steel 3-fold flow indicator | 1 | |
| 94404 | Stainless steel 4-fold flow indicator | 1 | |
| 94405 | Stainless steel 5-fold flow indicator | 1 | |
| 94406 | Stainless steel 6-fold flow indicator | 1 | |
| 94407 | Stainless steel 7-fach flow indicator. | 1 | |
| 94408 | Stainless steel 8-fold flow indicator | 1 | |
| 94409 | Stainless steel 9-fold flow indicator | 1 | |
| 94410 | Stainless steel 10-fold flow indicator | 1 | |
| 94411 | Stainless steel 11-fold flow indicator | 1 | |
| 94412 | Stainless steel 12-fold flow indicator | 1 | |



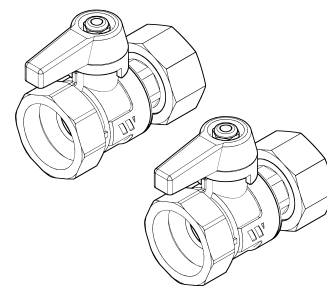
Stainless steel manifold with the following properties:

- Flow- and return manifold are arranged separately
- Flow indicator with shut-off in the flow
- Control and shut-off valve with protection cap in return
- Feed and drain valves
- Air valves
- Bracket set with bow and sound protection
- Sealing plug

NEW aquatherm BALL VALVE SET

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------------------------|----|---------------|
| 94413 | aqt KGH 1"IG x 1"IG Flachd. | 1 | |

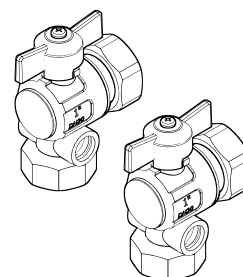


NEW aquatherm BALL VALVE SET

Corner design

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|--|----|---------------|
| 94414 | aqt Eck-KGH 1"UM x 1"IG Flachd.+Anschl.-buchse | 1 | |

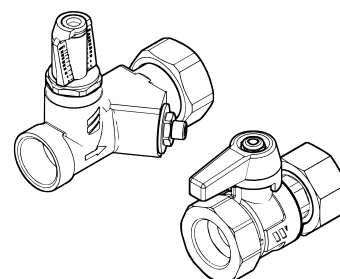


NEW aquatherm LINE CONTROL VALVE SET FOR MANIFOLD

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 94415 | 1"AG | 1 | |

For restriction of flow rate respectively for hydraulic balancing of manifolds

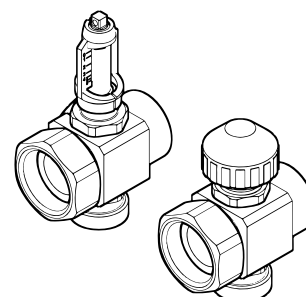


NEW aquatherm HEATING CIRCUIT MANIFOLD EXTENSION SET

for Art. no. 94402 – 94412

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 94416 | | 1 | |



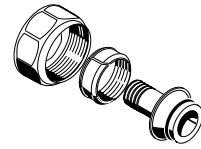
aquatherm EUROCONUS CONNECTOR

for heating circuit manifold

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|--------------|-----------|----|---------------|
| 92106 | 16x2,0mm | 2 | |
| 92107 | 17x2,0mm | 2 | |
| 92108 | 20x2,0mm | 2 | |

cap nut nickel-plated

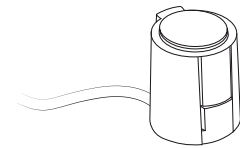


aquatherm ACTUATOR

for heating circuit manifolds and heating circuit control valves – flow

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94102 | 230V | 1 | |
| 94103 | 24V | 1 | |

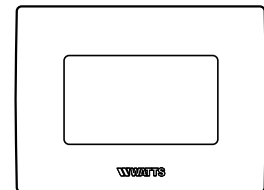


NEW aquatherm CENTRAL RADIO UNIT

with 4,3" touchscreen

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94417 | | 1 | |



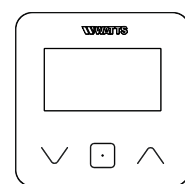
- remote access via app or web
- intuitive operation: plug & play
- wall mounting with power supply 85-265 VA (50-60Hz) or via mini USB cable
- table installation with stand
- heating-cooling units controllable

NEW aquatherm RADIO ROOM THERMOSTAT

with glass touchscreen

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94418 | | 1 | |



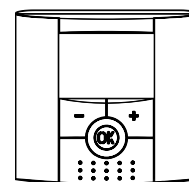
- heating or heating/cooling
- setting of different temperature modes
- antifreeze protection function
- pincode and anti-theft protection
- wall or table installation
- "open window" detection

NEW aquatherm RADIO ROOM THERMOSTAT

digital, with LCD-display, programmable

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 94419 | | 1 | |

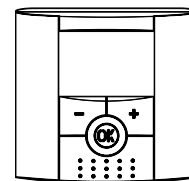


NEW aquatherm RADIO ROOM THERMOSTAT

digital, with LCD-display, programmable, with hygrostat

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 94420 | | 1 | |
| 1 | | | |

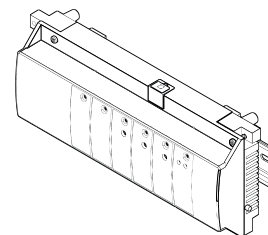


NEW aquatherm RADIO CONTROL DISTRIBUTOR

Master, for 6 zones

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 94422 | | 1 | |



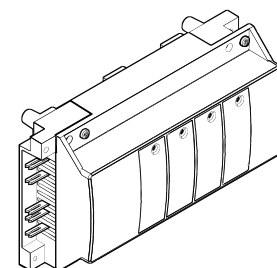
- Zone control for water-bearing surface heating/cooling
- up to 10 zones (room sensor)
- Switching output for pump and heat generator by radio or cable (potential free)

NEW aquatherm RADIO CONTROL DISTRIBUTOR 4-FOLD

Extension for 4 zones

Systems: **aquatherm orange system,**
aquatherm black system

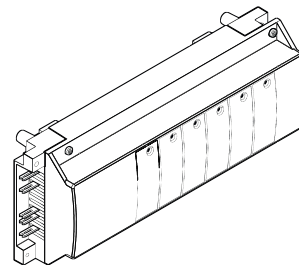
| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 94423 | | 1 | |



NEW aquatherm MANAGEMENT MODULE*for heating/cooling*

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 94421 | | 1 | |

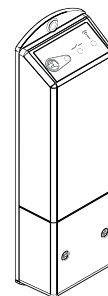


- Control and management for water-bearing surface heating/cooling in conjunction with control distributor
- signal for central heating/cooling changeover via floating switching output

NEW aquatherm SINGLE RADIO RECEIVER*for control of surface heating/cooling*

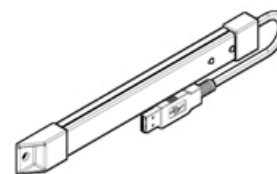
Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 94424 | | 1 | |

**NEW aquatherm RADIO REPEATER***to expand the radio transmission area or Erweiterung des Funk-Übertragungsbereiches*

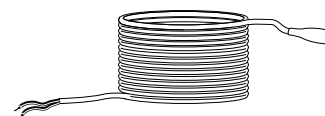
Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
|----------|-----------|----|---------------|
| 94425 | | 1 | |

**NEW aquatherm DEWPOINT SENSOR***3 metres*

Systems: **aquatherm orange system,**
aquatherm black system

| Art. no. | Dimension | PU | Price € pc |
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| 2512542 | 32 | 2513696 | 40 | 2711276 | 91 | 2713300 | 85 | 2718138 | 84 |
| 2512544 | 32 | 2513698 | 40 | 2711277 | 92 | 2713302 | 85 | 2718142 | 84 |
| 2512546 | 32 | 2513699 | 40 | 2711282 | 91 | 2713304 | 85 | 2718144 | 84 |
| 2512548 | 32 | 2513700 | 40 | 2711283 | 92 | 2713332 | 86 | 2718256 | 87 |
| 2512550 | 32 | 2513804 | 39 | 2711284 | 91 | 2713334 | 86 | 2718258 | 87 |
| 2512554 | 32 | 2513806 | 40 | 2711285 | 92 | 2713336 | 86 | 2718260 | 87 |
| 2513026 | 34 | 2513808 | 40 | 2711288 | 91 | 2713338 | 86 | 2718262 | 87 |
| 2513030 | 34 | 2513810 | 40 | 2711289 | 92 | 2713340 | 86 | 2718264 | 87 |
| 2513034 | 34 | 2513812 | 40 | 2711290 | 91 | 2713342 | 86 | 2718266 | 87 |
| 2513038 | 34 | 2513813 | 40 | 2711291 | 92 | 2713344 | 86 | 2718268 | 87 |
| 2513142 | 33 | 2513814 | 40 | 2711296 | 91 | 2713346 | 86 | 2718290 | 87 |
| 2513144 | 33 | 2513815 | 40 | 2711297 | 92 | 2713350 | 86 | 2718292 | 87 |
| 2513146 | 33 | 2513839 | 39 | 2711298 | 91 | 2713382 | 86 | 2718294 | 87 |
| 2513148 | 33 | 2513841 | 40 | 2711299 | 92 | 2713384 | 86 | 2718296 | 87 |
| 2513150 | 33 | 2513843 | 40 | 2711304 | 91 | 2713386 | 86 | 2718298 | 87 |
| 2513154 | 33 | 2513845 | 40 | 2711305 | 92 | 2713388 | 86 | 2718300 | 87 |
| 2513600 | 39 | 2513847 | 40 | 2711306 | 91 | 2713390 | 86 | 2718302 | 87 |
| 2513602 | 39 | 2513849 | 40 | 2711307 | 92 | 2713392 | 86 | 2718304 | 87 |
| 2513606 | 39 | 2513850 | 40 | 2712126 | 83 | 2713394 | 86 | 2718332 | 88 |
| 2513608 | 39 | 2513851 | 40 | 2712130 | 83 | 2713396 | 86 | 2718334 | 88 |
| 2513610 | 39 | 2514130 | 42 | 2712134 | 83 | 2713400 | 86 | 2718336 | 88 |
| 2513612 | 39 | 2514134 | 42 | 2712138 | 83 | 2713402 | 86 | 2718338 | 88 |
| 2513614 | 39 | 2514138 | 42 | 2712142 | 83 | 2713406 | 86 | 2718340 | 88 |
| 2513618 | 40 | 2514142 | 42 | 2712144 | 83 | 2713408 | 86 | 2718342 | 88 |
| 2513624 | 39 | 2514144 | 42 | 2712526 | 82 | 2713410 | 86 | 2718344 | 88 |
| 2513626 | 39 | 2514146 | 42 | 2712530 | 82 | 2713412 | 86 | 2718346 | 88 |
| 2513628 | 39 | 2514148 | 42 | 2712534 | 82 | 2713414 | 86 | 2718350 | 88 |
| 2513630 | 39 | 2514150 | 42 | 2712538 | 82 | 2713416 | 86 | 2718382 | 88 |
| 2513634 | 40 | 2514154 | 42 | 2712542 | 82 | 2713418 | 86 | 2718384 | 88 |
| 2513640 | 40 | 2515530 | 49 | 2712544 | 82 | 2713420 | 86 | 2718386 | 88 |
| 2513651 | 39 | 2515534 | 49 | 2713126 | 83 | 2713424 | 86 | 2718388 | 88 |
| 2513653 | 40 | 2515538 | 49 | 2713130 | 83 | 2713428 | 86 | 2718390 | 88 |
| 2513655 | 40 | 2515542 | 49 | 2713134 | 83 | 2713432 | 86 | 2718392 | 88 |
| 2513657 | 40 | 2515544 | 49 | 2713138 | 83 | 2713436 | 86 | 2718394 | 88 |
| 2513663 | 39 | 2515546 | 49 | 2713142 | 83 | 2713438 | 86 | 2718396 | 88 |
| 2513665 | 40 | 2515548 | 49 | 2713144 | 83 | 2713440 | 86 | 2718400 | 88 |
| 2513667 | 40 | 2515550 | 49 | 2713256 | 85 | 2713442 | 86 | 2718402 | 88 |
| 2513669 | 40 | 2515554 | 49 | 2713258 | 85 | 2713444 | 86 | 2718406 | 88 |
| 2513671 | 40 | 2541830 | 77 | 2713260 | 85 | 2713446 | 86 | 2718408 | 88 |

| Art. no. | Page | Art. no. | Page | Art. no. | Page | Art. no. | Page | Art. no. | Page |
|----------|------|----------|------|----------|------|----------|------|----------|------|
| 2718410 | 88 | 5200090 | 135 | 5232200 | 131 | 5252070 | 133 | 5268160 | 134 |
| 2718412 | 88 | 5200100 | 135 | 5232225 | 131 | 5252080 | 133 | 5268180 | 134 |
| 2718414 | 88 | 5200120 | 135 | 5232250 | 131 | 5252090 | 133 | 5268200 | 134 |
| 2718416 | 88 | 5200140 | 135 | 5236040 | 131 | 5252100 | 133 | 5268225 | 134 |
| 2718418 | 88 | 5200160 | 135 | 5236050 | 131 | 5252120 | 133 | 5268250 | 134 |
| 2718420 | 88 | 5200180 | 135 | 5236060 | 131 | 5252140 | 133 | 5280040 | 135 |
| 2718424 | 88 | 5200200 | 135 | 5236070 | 131 | 5252160 | 133 | 5280050 | 135 |
| 2718428 | 88 | 5200225 | 135 | 5236080 | 131 | 5252180 | 133 | 5280060 | 135 |
| 2718432 | 88 | 5200250 | 135 | 5236090 | 131 | 5252200 | 133 | 5280070 | 135 |
| 2718436 | 88 | 5224040 | 130 | 5236100 | 131 | 5252225 | 133 | 5280080 | 135 |
| 2718438 | 88 | 5224050 | 130 | 5236120 | 131 | 5252250 | 133 | 5280090 | 135 |
| 2718440 | 88 | 5224060 | 130 | 5236140 | 131 | 5256040 | 133 | 5280100 | 135 |
| 2718442 | 88 | 5224070 | 130 | 5236160 | 131 | 5256050 | 133 | 5280120 | 135 |
| 2718444 | 88 | 5224080 | 130 | 5236180 | 131 | 5256060 | 133 | 5280140 | 135 |
| 2718446 | 88 | 5224090 | 130 | 5236200 | 131 | 5256070 | 133 | 5280160 | 135 |
| 2718448 | 88 | 5224100 | 130 | 5236225 | 131 | 5256080 | 133 | 5280180 | 135 |
| 2718450 | 88 | 5224120 | 130 | 5236250 | 131 | 5256090 | 133 | 5280200 | 135 |
| 2718454 | 88 | 5224140 | 130 | 5240040 | 132 | 5256100 | 133 | 5280225 | 135 |
| 2718458 | 88 | 5224160 | 130 | 5240050 | 132 | 5256120 | 133 | 5280250 | 135 |
| 2718462 | 88 | 5224180 | 130 | 5240060 | 132 | 5256140 | 133 | 6252050 | 125 |
| 2718466 | 88 | 5224200 | 130 | 5240070 | 132 | 5256160 | 133 | 6252060 | 125 |
| 2770125 | 81 | 5224225 | 130 | 5240080 | 132 | 5256180 | 133 | 6252070 | 125 |
| 2770126 | 81 | 5224250 | 130 | 5240090 | 132 | 5256200 | 133 | 6252080 | 125 |
| 2770129 | 81 | 5228040 | 130 | 5240100 | 132 | 5256225 | 133 | 6252090 | 125 |
| 2770130 | 81 | 5228050 | 130 | 5240120 | 132 | 5256250 | 133 | 6252100 | 125 |
| 2770133 | 81 | 5228060 | 130 | 5240140 | 132 | 5260040 | 134 | 6252120 | 125 |
| 2770134 | 81 | 5228070 | 130 | 5240160 | 132 | 5260050 | 134 | 6252140 | 125 |
| 2770137 | 81 | 5228080 | 130 | 5240180 | 132 | 5260060 | 134 | 6252160 | 125 |
| 2770138 | 81 | 5228090 | 130 | 5240200 | 132 | 5260070 | 134 | 6252180 | 125 |
| 2770141 | 81 | 5228100 | 130 | 5240225 | 132 | 5260080 | 134 | 6252200 | 125 |
| 2770142 | 81 | 5228120 | 130 | 5240250 | 132 | 5260090 | 134 | 6252225 | 125 |
| 2770143 | 81 | 5228140 | 130 | 5248040 | 132 | 5260100 | 134 | 6252250 | 125 |
| 2770144 | 81 | 5228160 | 130 | 5248050 | 132 | 5260120 | 134 | 6256040 | 125 |
| 3570125 | 21 | 5228180 | 130 | 5248060 | 132 | 5260140 | 134 | 6256050 | 125 |
| 3570130 | 21 | 5228200 | 130 | 5248070 | 132 | 5260160 | 134 | 6256060 | 136 |
| 3570134 | 21 | 5228225 | 130 | 5248080 | 132 | 5260180 | 134 | 6256060 | 128 |
| 3570138 | 21 | 5228250 | 130 | 5248090 | 132 | 5260200 | 134 | 6256060 | 125 |
| 3570142 | 21 | 5232040 | 131 | 5248100 | 132 | 5260225 | 134 | 6256060 | 125 |
| 3570144 | 21 | 5232050 | 131 | 5248120 | 132 | 5260250 | 134 | 6256070 | 125 |
| 3570146 | 21 | 5232060 | 131 | 5248140 | 132 | 5268040 | 134 | 6256080 | 125 |
| 3570148 | 21 | 5232070 | 131 | 5248160 | 132 | 5268050 | 134 | 6256090 | 125 |
| 3570150 | 21 | 5232080 | 131 | 5248180 | 132 | 5268060 | 134 | 6256100 | 125 |
| 3570154 | 21 | 5232090 | 131 | 5248200 | 132 | 5268070 | 134 | 6256118 | 136 |
| 5200040 | 135 | 5232100 | 131 | 5248225 | 132 | 5268080 | 134 | 6256118 | 128 |
| 5200050 | 135 | 5232120 | 131 | 5248250 | 132 | 5268090 | 134 | 6256118 | 125 |
| 5200060 | 135 | 5232140 | 131 | 5252040 | 133 | 5268100 | 134 | 6256120 | 125 |
| 5200070 | 135 | 5232160 | 131 | 5252050 | 133 | 5268120 | 134 | 6256140 | 125 |
| 5200080 | 135 | 5232180 | 131 | 5252060 | 133 | 5268140 | 134 | 6256160 | 125 |

| Art. no. | Page | Art. no. | Page | Art. no. | Page | Art. no. | Page | Art. no. | Page |
|----------|------|----------|------|----------|------|----------|------|----------|------|
| 6256180 | 125 | 6400060 | 127 | 6432140 | 129 | 6452040 | 131 | 6468100 | 132 |
| 6256200 | 125 | 6400070 | 127 | 6432160 | 129 | 6452050 | 131 | 6468120 | 132 |
| 6256225 | 125 | 6400080 | 127 | 6432180 | 129 | 6452060 | 131 | 6468140 | 132 |
| 6256250 | 125 | 6400090 | 127 | 6432200 | 129 | 6452070 | 131 | 6468160 | 132 |
| 6260040 | 126 | 6400100 | 127 | 6432225 | 129 | 6452080 | 131 | 6468180 | 132 |
| 6260050 | 126 | 6400120 | 127 | 6432250 | 129 | 6452090 | 131 | 6468200 | 132 |
| 6260060 | 126 | 6400140 | 127 | 6436040 | 129 | 6452100 | 131 | 6468225 | 132 |
| 6260070 | 126 | 6400160 | 127 | 6436050 | 129 | 6452120 | 131 | 6468250 | 132 |
| 6260080 | 126 | 6400180 | 127 | 6436060 | 129 | 6452140 | 131 | 6480040 | 133 |
| 6260090 | 126 | 6400200 | 127 | 6436070 | 129 | 6452160 | 131 | 6480050 | 133 |
| 6260100 | 126 | 6400225 | 127 | 6436080 | 129 | 6452180 | 131 | 6480060 | 133 |
| 6260120 | 126 | 6400250 | 127 | 6436090 | 129 | 6452200 | 131 | 6480070 | 133 |
| 6260140 | 126 | 6424040 | 128 | 6436100 | 129 | 6452225 | 131 | 6480080 | 133 |
| 6260160 | 126 | 6424050 | 128 | 6436120 | 129 | 6452250 | 131 | 6480090 | 133 |
| 6260180 | 126 | 6424060 | 128 | 6436140 | 129 | 6456040 | 131 | 6480100 | 133 |
| 6260200 | 126 | 6424070 | 128 | 6436160 | 129 | 6456050 | 131 | 6480120 | 133 |
| 6260225 | 126 | 6424080 | 128 | 6436180 | 129 | 6456060 | 131 | 6480140 | 133 |
| 6260250 | 126 | 6424090 | 128 | 6436200 | 129 | 6456070 | 131 | 6480160 | 133 |
| 6268040 | 126 | 6424100 | 128 | 6436225 | 129 | 6456080 | 131 | 6480180 | 133 |
| 6268050 | 126 | 6424120 | 128 | 6436250 | 129 | 6456090 | 131 | 6480200 | 133 |
| 6268060 | 126 | 6424140 | 128 | 6440040 | 130 | 6456100 | 131 | 6480225 | 133 |
| 6268070 | 126 | 6424160 | 128 | 6440050 | 130 | 6456120 | 131 | 6480250 | 133 |
| 6268080 | 126 | 6424180 | 128 | 6440060 | 130 | 6456140 | 131 | | |
| 6268090 | 126 | 6424200 | 128 | 6440070 | 130 | 6456160 | 131 | | |
| 6268100 | 126 | 6424225 | 128 | 6440080 | 130 | 6456180 | 131 | | |
| 6268120 | 126 | 6424250 | 128 | 6440090 | 130 | 6456200 | 131 | | |
| 6268140 | 126 | 6428040 | 128 | 6440100 | 130 | 6456225 | 131 | | |
| 6268160 | 126 | 6428050 | 128 | 6440120 | 130 | 6456250 | 131 | | |
| 6268180 | 126 | 6428060 | 128 | 6440140 | 130 | 6460040 | 132 | | |
| 6268200 | 126 | 6428070 | 128 | 6440160 | 130 | 6460050 | 132 | | |
| 6268225 | 126 | 6428080 | 128 | 6440180 | 130 | 6460060 | 132 | | |
| 6268250 | 126 | 6428090 | 128 | 6440200 | 130 | 6460070 | 132 | | |
| 6280040 | 127 | 6428100 | 128 | 6440225 | 130 | 6460080 | 132 | | |
| 6280050 | 127 | 6428120 | 128 | 6440250 | 130 | 6460090 | 132 | | |
| 6280060 | 127 | 6428140 | 128 | 6448040 | 130 | 6460100 | 132 | | |
| 6280070 | 127 | 6428160 | 128 | 6448050 | 130 | 6460120 | 132 | | |
| 6280080 | 127 | 6428180 | 128 | 6448060 | 130 | 6460140 | 132 | | |
| 6280090 | 127 | 6428200 | 128 | 6448070 | 130 | 6460160 | 132 | | |
| 6280100 | 127 | 6428225 | 128 | 6448080 | 130 | 6460180 | 132 | | |
| 6280120 | 127 | 6428250 | 128 | 6448090 | 130 | 6460200 | 132 | | |
| 6280140 | 127 | 6432040 | 129 | 6448100 | 130 | 6460225 | 132 | | |
| 6280160 | 127 | 6432050 | 129 | 6448120 | 130 | 6460250 | 132 | | |
| 6280180 | 127 | 6432060 | 129 | 6448140 | 130 | 6468040 | 132 | | |
| 6280200 | 127 | 6432070 | 129 | 6448160 | 130 | 6468050 | 132 | | |
| 6280225 | 127 | 6432080 | 129 | 6448180 | 130 | 6468060 | 132 | | |
| 6280250 | 127 | 6432090 | 129 | 6448200 | 130 | 6468070 | 132 | | |
| 6400040 | 127 | 6432100 | 129 | 6448225 | 130 | 6468080 | 132 | | |
| 6400050 | 127 | 6432120 | 129 | 6448250 | 130 | 6468090 | 132 | | |

WORKING PRESSURE

PERMISSIBLE WORKING PRESSURE – POTABLE WATER

Fluid transported: water acc. to DIN 2000

| Temperature | Years of service | aquatherm green pipe SDR 11 S | aquatherm green pipe SDR 7.4 S | aquatherm green pipe SDR 6 S | aquatherm green pipe SDR 7.4 MF | aquatherm green pipe SDR 9 MFRP | | | | | |
|--|------------------|---|--------------------------------|------------------------------|---------------------------------|---------------------------------|-------|-------|-------|-------|-------|
| | | Permissible working pressure in bar and (psi) | | | | | | | | | |
| | | bar | (psi) | bar | (psi) | bar | (psi) | bar | (psi) | bar | (psi) |
| 20 °C 68 °F | 1 | 15,0 | (218) | 23,8 | (345) | 30,0 | (435) | 28,6 | (415) | 25,0 | (363) |
| | 5 | 14,1 | (205) | 22,3 | (323) | 28,1 | (408) | 26,8 | (389) | 24,2 | (351) |
| | 10 | 13,7 | (199) | 21,7 | (315) | 27,3 | (396) | 26,1 | (379) | 23,9 | (347) |
| | 25 | 13,3 | (193) | 21,1 | (306) | 26,5 | (384) | 25,3 | (367) | 23,5 | (341) |
| | 50 | 12,9 | (187) | 20,4 | (296) | 25,7 | (373) | 24,5 | (355) | 23,1 | (335) |
| 30 °C 86 °F | 1 | 12,8 | (186) | 20,2 | (293) | 25,5 | (370) | 24,3 | (352) | 21,7 | (315) |
| | 5 | 12,0 | (174) | 19,0 | (276) | 23,9 | (347) | 22,8 | (331) | 21,0 | (305) |
| | 10 | 11,6 | (168) | 18,3 | (265) | 23,1 | (335) | 22,0 | (319) | 20,6 | (299) |
| | 25 | 11,2 | (162) | 17,7 | (257) | 22,3 | (323) | 21,3 | (309) | 20,2 | (293) |
| | 50 | 10,9 | (158) | 17,3 | (251) | 21,8 | (316) | 20,7 | (300) | 20,0 | (290) |
| Potable water (cold) Potable water (warm) | 40 °C 104 °F | 1 | 17,1 | (248) | 21,5 | (312) | 20,5 | (297) | 18,7 | (271) | |
| | | 5 | 16,0 | (232) | 20,2 | (293) | 19,2 | (278) | 18,0 | (261) | |
| | | 10 | 15,6 | (226) | 19,6 | (284) | 18,7 | (271) | 17,7 | (257) | |
| | | 25 | 15,0 | (218) | 18,8 | (273) | 18,0 | (261) | 17,4 | (252) | |
| | | 50 | 14,5 | (210) | 18,3 | (265) | 17,5 | (254) | 17,0 | (247) | |
| | 50 °C 122 °F | 1 | 14,5 | (210) | 18,3 | (265) | 17,5 | (254) | 15,9 | (231) | |
| | | 5 | 13,5 | (196) | 17,0 | (247) | 16,2 | (235) | 15,3 | (222) | |
| | | 10 | 13,1 | (190) | 16,5 | (239) | 15,7 | (228) | 15,1 | (219) | |
| | | 25 | 12,6 | (183) | 15,9 | (231) | 15,2 | (220) | 14,8 | (215) | |
| | | 50 | 12,2 | (177) | 15,4 | (223) | 14,7 | (213) | 14,5 | (210) | |
| | 60 °C 140 °F | 1 | 12,2 | (177) | 15,4 | (223) | 14,7 | (213) | 13,5 | (196) | |
| | | 5 | 11,4 | (165) | 14,3 | (207) | 13,7 | (199) | 13,0 | (189) | |
| | | 10 | 11,0 | (160) | 13,8 | (200) | 13,2 | (191) | 12,8 | (186) | |
| | | 25 | 10,5 | (152) | 13,3 | (193) | 12,6 | (183) | 12,5 | (181) | |
| | | 50 | 10,1 | (146) | 12,7 | (184) | 12,1 | (175) | 12,3 | (178) | |
| | 65 °C 149 °F | 1 | 11,6 | (168) | 14,6 | (212) | 13,9 | (202) | 12,4 | (180) | |
| | | 5 | 10,8 | (157) | 13,6 | (197) | 12,9 | (187) | 11,9 | (173) | |
| | | 10 | 10,4 | (151) | 13,1 | (190) | 12,5 | (181) | 11,7 | (170) | |
| | | 25 | 10,0 | (145) | 12,6 | (183) | 12,0 | (174) | 11,4 | (165) | |
| | | 50 | 8,8 | (128) | 11,1 | (161) | 10,6 | (154) | 11,2 | (162) | |
| 70 °C 158 °F | 1 | 10,3 | (149) | 13,0 | (189) | 12,4 | (180) | 11,4 | (165) | | |
| | 5 | 9,5 | (138) | 11,9 | (173) | 11,4 | (165) | 10,9 | (158) | | |
| | 10 | 9,3 | (135) | 11,7 | (170) | 11,1 | (161) | 10,7 | (155) | | |
| | 25 | 8,0 | (116) | 10,1 | (146) | 9,6 | (139) | 10,5 | (152) | | |
| | 30 | 7,0 | (102) | 8,8 | (128) | 9,3 | (135) | 10,3 | (149) | | |
| 50 | 6,7 | (97) | 8,5 | (123) | 8,1 | (117) | 10,2 | (148) | | | |

Faser composite pipe: high working stress at lower wall thickness and higher flow rate

SDR = Standard Dimension Ratio (diameter/wall thickness ratio)

S = single-layer

MF = multi-layer faser

MFRP = multi-layer faser – raised pressure resistance

The determination of the allowable pressures resulted from the specific conditions to which pipe system components in the drinking water domestic installation are exposed to. Limiting factors such as increased flow rates, the use of disinfectants, increased content of oxygen, etc. were considered by the use of the appropriate safety factors.

For fittings of butt-welded pipe segments a reduction factor of 0.75 (reduction of the table values by 25 %) is effective.

PERMISSIBLE WORKING PRESSURE

for general pressure pipe applications (no potable water) in permanent operation outside the application areas shown on the previous page.

| Temperature | Years of service | aquatherm blue pipe SDR 17,6 MF RP | | aquatherm blue pipe SDR 11 MF RP | | aquatherm green pipe SDR 7.4 MF | | aquatherm green pipe SDR 9 MF RP | |
|-----------------|------------------|---|---------|--|---------|---------------------------------------|-------|--|-------|
| | | Permissible working pressure in bar and (psi) | | | | | | | |
| | | bar | (psi) | bar | (psi) | bar | (psi) | bar | (psi) |
| 10 °C 50 °F | 10 | 13,1 | (190,0) | 25,3 | (366,9) | 27,7 | (402) | 27,5 | (399) |
| | 25 | 12,9 | (187,1) | 24,7 | (358,2) | 26,9 | (390) | 27,1 | (393) |
| | 50 | 12,7 | (184,2) | 24,1 | (349,5) | 26,1 | (379) | 26,7 | (387) |
| | 100 | 12,6 | (182,7) | 23,5 | (340,8) | 25,2 | (366) | 26,3 | (381) |
| 15 °C 59 °F | 10 | 12,3 | (178,4) | 23,4 | (338,7) | 26,9 | (390) | 25,7 | (373) |
| | 25 | 12,1 | (175,5) | 22,8 | (330,7) | 26,1 | (379) | 25,2 | (366) |
| | 50 | 11,9 | (172,6) | 22,2 | (322,0) | 25,3 | (367) | 24,9 | (361) |
| | 100 | 11,7 | (169,7) | 21,6 | (313,3) | 24,5 | (355) | 24,5 | (355) |
| 20 °C 68 °F | 10 | 11,4 | (165,3) | 21,4 | (310,4) | 26,1 | (379) | 23,9 | (347) |
| | 25 | 11,2 | (162,4) | 21,0 | (304,6) | 25,3 | (367) | 23,5 | (341) |
| | 50 | 11,0 | (159,5) | 20,4 | (295,9) | 24,5 | (355) | 23,1 | (335) |
| | 100 | 10,9 | (158,1) | 19,9 | (288,6) | 23,7 | (344) | 22,8 | (331) |
| 30 °C 86 °F | 10 | 9,8 | (142,1) | 18,3 | (265,4) | 22,0 | (319) | 20,6 | (299) |
| | 25 | 9,6 | (139,2) | 17,8 | (258,2) | 21,3 | (309) | 20,2 | (293) |
| | 50 | 9,5 | (137,8) | 17,3 | (250,9) | 20,7 | (300) | 19,9 | (289) |
| | 100 | 9,4 | (136,3) | 16,8 | (243,7) | 20,0 | (290) | 19,7 | (286) |
| 40 °C 104 °F | 10 | 8,4 | (121,8) | 15,5 | (224,8) | 18,7 | (271) | 17,7 | (257) |
| | 25 | 8,3 | (120,4) | 15,0 | (217,6) | 18,0 | (261) | 17,3 | (251) |
| | 50 | 8,1 | (117,5) | 14,6 | (211,8) | 17,5 | (254) | 17,1 | (248) |
| | 100 | 8,0 | (116,0) | 14,1 | (204,5) | 16,8 | (244) | 16,8 | (244) |
| 50 °C 122 °F | 10 | 7,2 | (104,4) | 13,0 | (188,5) | 15,7 | (228) | 15,1 | (219) |
| | 25 | 7,0 | (101,5) | 12,6 | (182,7) | 15,2 | (220) | 14,7 | (213) |
| | 50 | 6,9 | (100,1) | 12,2 | (176,9) | 14,7 | (213) | 14,5 | (210) |
| | 100 | 6,8 | (98,6) | 11,9 | (172,6) | 14,1 | (205) | 14,3 | (207) |
| 60 °C 140 °F | 10 | 6,1 | (88,5) | 10,9 | (158,1) | 13,2 | (191) | 12,7 | (184) |
| | 25 | 5,9 | (85,6) | 10,6 | (153,7) | 12,6 | (183) | 12,4 | (180) |
| | 50 | 5,8 | (84,1) | 10,3 | (149,4) | 12,1 | (175) | 12,2 | (177) |
| 70 °C 158 °F | 10 | 5,1 | (74,0) | 8,5 | (123,3) | 11,1 | (161) | 10,7 | (155) |
| | 25 | 5,0 | (72,5) | 8,3 | (120,4) | 9,6 | (139) | 10,4 | (151) |
| | 50 | 4,9 | (71,1) | 8,1 | (117,5) | 8,1 | (117) | 10,2 | (148) |
| 75 °C 167 °F | 10 | 4,6 | (66,7) | 7,7 | (111,7) | 10,0 | (145) | 9,7 | (141) |
| | 25 | 4,5 | (65,3) | 7,6 | (110,2) | 8,0 | (116) | 9,5 | (138) |
| | 50 | 4,4 | (63,8) | 7,3 | (105,9) | 6,7 | (97) | 9,3 | (135) |
| 80 °C 176 °F | 5 | 4,3 | (62,4) | 7,2 | (104,4) | 9,2 | (133) | 9,0 | (131) |
| | 10 | 4,2 | (60,9) | 7,0 | (101,5) | 7,8 | (113) | 8,9 | (129) |
| | 25 | 4,1 | (59,5) | 6,8 | (98,6) | 6,2 | (90) | 8,6 | (125) |
| 90 °C 194 °F | 5 | 3,5 | (50,8) | 5,9 | (85,6) | 6,0 | (87) | 7,4 | (107) |
| | 10 | 3,4 | (49,3) | 5,8 | (84,1) | 5,1 | (74) | 7,3 | (106) |

SDR = Standard Dimension Ratio (diameter/wall thickness ratio)

S = single-layer

MF = multi-layer faser

MF RP = multi-layer faser – raised pressure resistance

For fittings of butt-welded pipe segments a reduction factor of 0.75 (reduction of the table values by 25 %) is effective.

FURTHER INFORMATION

| | |
|--|------------------|
| aquatherm green pipe pipe system for potable water supply | Ord.-No.: E10101 |
| aquatherm blue pipe for chilled, hot fluid and various industrial applications | Ord.-No.: E10050 |
| aquatherm red pipe sprinkler pipe system | Ord.-No.: E40000 |
| aquatherm orange system underfloor heating systems | Ord.-No.: E90001 |
| aquatherm black system heating and cooling system for ceiling, floor and wall | Ord.-No.: E97060 |
| aquatherm grey pipe potable water and radiator connection system | Ord.-No.: E70001 |
| aquatherm - article list | Ord.-No.: E54152 |
| aquatherm - reference catalogue | Ord.-No.: E57002 |
| aquatherm ti - district heating pipeline systems | Ord.-No.: E30000 |
| aquatherm Prefabrication - planning and fabrication of manifolds and special components | Ord.-No.: E18198 |

For more detailed information, please contact our information service at **+49 2722 950 0** or simply visit our download area at the website **www.aquatherm.de**.



Management
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ISO 9001:2015
ISO 14001:2015
ISO 50001:2011
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