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2020

PRODUCT CATALOGUE 2020

aquatherm

state of the pipe

NEW ARTICLES SINCE THE LAST VERSION

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aquatherm control components

140 94402 aquatherm heating circuit manifold with flow indicator 2-fold
140 94403 aquatherm heating circuit manifold with flow indicator 3-fold
140 94404 aquatherm heating circuit manifold with flow indicator 4-fold
140 94405 aquatherm heating circuit manifold with flow indicator 5-fold
140 94406 aquatherm heating circuit manifold with flow indicator 6-fold
140 94407 aquatherm heating circuit manifold with flow indicator 7-fold
140 94408 aquatherm heating circuit manifold with flow indicator 8-fold
140 94409 aquatherm heating circuit manifold with flow indicator 9-fold
140 94410 aquatherm heating circuit manifold with flow indicator 10-fold
140 94411 aquatherm heating circuit manifold with flow indicator 11-fold
140 94412 aquatherm heating circuit manifold with flow indicator 12-fold
140 94413 aquatherm ball valve set
140 94414 aquatherm ball valve set corner design
140 94415 aquatherm Strangregulierset für Verteiler
140 94416 aquatherm line control valve set for manifold
141 94417 aquatherm central radio unit
141 94418 aquatherm radio room thermostat
142 94419 aquatherm radio room thermostat (programmable)
142 94420 aquatherm radio room thermostat
143 94421 aquatherm management module
142 94422 aquatherm radio control distributor
142 94423 aquatherm radio control distributor 4-fold
143 94424 aquatherm single radio receiver
143 94425 aquatherm radio repeater
143 94426 aquatherm dewpoint sensor

DELETED ARTICLES SINCE THE LAST VERSION

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aquatherm green pipe

14 10106 aquatherm green pipe SDR 6 pipe 16 mm; only on request
14 10108 aquatherm green pipe SDR 6 S pipe 20 mm; only on request
14 10110 aquatherm green pipe SDR 6 S pipe 25 mm; only on request
14 10906 aquatherm green pipe SDR 7.4 pipe 16 mm; only on request
14 10908 aquatherm green pipe SDR 7.4 pipe 20 mm; only on request
15 10244 aquatherm green pipe SDR 11 S pipe 355 mm
15 10246 aquatherm green pipe SDR 11 MF pipe 400 mm
15 10248 aquatherm green pipe SDR 11 MF pipe 450 mm
15 10308 aquatherm green pipe SDR 11 S pipe 20 mm; only on request
15 10310 aquatherm green pipe SDR 11 S pipe 25 mm; only on request
15 10312 aquatherm green pipe SDR 11 S pipe 32 mm; only on request
22 10186 aquatherm pipe support 10.4 mm
22 85110 aquatherm pipe support 11.4 mm
71 98904 aquatherm green pipe extension for ball valve; only on request
71 98905 aquatherm green pipe extension for ball valve; only on request
71 98906 aquatherm green pipe extension for ball valve; only on request

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 2010308 aquatherm blue pipe SDR 11 S pipe 20 mm; only on request
19 2010310 aquatherm blue pipe SDR 11 S pipe 25 mm; only on request
19 2010312 aquatherm blue pipe SDR 11 S pipe 32 mm; only on request
19 2170712 aquatherm blue pipe SDR 7.4 MF OT 32 mm
21 60788 aquatherm blue pipe pipe clamp 560 mm
26 2511211–2511212 aquatherm blue pipe SDR 17.6 red. socket 500 mm; only on request
26 2511213–2511215 aquatherm SDR 17.6 red. socket 560 mm
26 2511216–2511218 aquatherm blue pipe SDR 17.6 red. socket 630 mm; only on request
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
45 2515554 aquatherm blue pipe SDR 17.6 flange adapter butt welding 630 mm; only on request
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 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

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 elbow45° 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

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.

DELETED ARTICLES SINCE THE LAST VERSION

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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
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 aquathem 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 Inusulation 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 5228275 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

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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
134	5260350	aquatherm black system heating and cooling grid 0,60 x 3,50 m
134	5260375	aquatherm black system heating and cooling grid 0,60 x 3,75 m
134	5260400	aquatherm black system heating and cooling grid 0,60 x 4,00 m
134	5260425	aquatherm black system heating and cooling grid 0,60 x 4,25 m
134	5260450	aquatherm black system heating and cooling grid 0,60 x 4,50 m
134	5260475	aquatherm black system heating and cooling grid 0,60 x 4,75 m
134	5260500	aquatherm black system heating and cooling grid 0,60 x 5,00 m
134	5268275	aquatherm black system heating and cooling grid 0,68 x 2,75 m
134	5268300	aquatherm black system heating and cooling grid 0,68 x 3,00 m
134	5268325	aquatherm black system heating and cooling grid 0,68 x 3,25 m
134	5268350	aquatherm black system heating and cooling grid 0,68 x 3,50 m
134	5268375	aquatherm black system heating and cooling grid 0,68 x 3,75 m
134	5268400	aquatherm black system heating and cooling grid 0,68 x 4,00 m
134	5268425	aquatherm black system heating and cooling grid 0,68 x 4,25 m
134	5268450	aquatherm black system heating and cooling grid 0,68 x 4,50 m
134	5268475	aquatherm black system heating and cooling grid 0,68 x 4,75 m
134	5268500	aquatherm black system heating and cooling grid 0,68 x 5,00 m
135	5280275	aquatherm black system heating and cooling grid 0,80 x 2,75 m
135	5280300	aquatherm black system heating and cooling grid 0,80 x 3,00 m
135	5280325	aquatherm black system heating and cooling grid 0,80 x 3,25 m
135	5280350	aquatherm black system heating and cooling grid 0,80 x 3,50 m
135	5280375	aquatherm black system heating and cooling grid 0,80 x 3,75 m
135	5280400	aquatherm black system heating and cooling grid 0,80 x 4,00 m
135	5280425	aquatherm black system heating and cooling grid 0,80 x 4,25 m
135	5280450	aquatherm black system heating and cooling grid 0,80 x 4,50 m
135	5280475	aquatherm black system heating and cooling grid 0,80 x 4,75 m
135	5280500	aquatherm black system heating and cooling grid 0,80 x 5,00 m
135	5200275	aquatherm black system heating and cooling grid 1,00 x 2,75 m
135	5200300	aquatherm black system heating and cooling grid 1,00 x 3,00 m
135	5200325	aquatherm black system heating and cooling grid 1,00 x 3,25 m
135	5200350	aquatherm black system heating and cooling grid 1,00 x 3,50 m
135	5200375	aquatherm black system heating and cooling grid 1,00 x 3,75 m
135	5200400	aquatherm black system heating and cooling grid 1,00 x 4,00 m
135	5200425	aquatherm black system heating and cooling grid 1,00 x 4,25 m
135	5200450	aquatherm black system heating and cooling grid 1,00 x 4,50 m
135	5200475	aquatherm black system heating and cooling grid 1,00 x 4,75 m
135	5200500	aquatherm black system heating and cooling grid 1,00 x 5,00 m

Connection type 62, only on request:

130	6224275	aquatherm black system heating and cooling grid 0,24 x 2,75 m
130	6224300	aquatherm black system heating and cooling grid 0,24 x 3,00 m
130	6224325	aquatherm black system heating and cooling grid 0,24 x 3,25 m
130	6224350	aquatherm black system heating and cooling grid 0,24 x 3,50 m
130	6224375	aquatherm black system heating and cooling grid 0,24 x 3,75 m
130	6224400	aquatherm black system heating and cooling grid 0,24 x 4,00 m
130	6224425	aquatherm black system heating and cooling grid 0,24 x 4,25 m
130	6224450	aquatherm black system heating and cooling grid 0,24 x 4,50 m
130	6224475	aquatherm black system heating and cooling grid 0,24 x 4,75 m
130	6224500	aquatherm black system heating and cooling grid 0,24 x 5,00 m
130	6228275	aquatherm black system heating and cooling grid 0,28 x 2,75 m
130	6228300	aquatherm black system heating and cooling grid 0,28 x 3,00 m
130	6228325	aquatherm black system heating and cooling grid 0,28 x 3,25 m
130	6228350	aquatherm black system heating and cooling grid 0,28 x 3,50 m
130	6228375	aquatherm black system heating and cooling grid 0,28 x 3,75 m
130	6228400	aquatherm black system heating and cooling grid 0,28 x 4,00 m
130	6228425	aquatherm black system heating and cooling grid 0,28 x 4,25 m
130	6228450	aquatherm black system heating and cooling grid 0,28 x 4,50 m
130	6228475	aquatherm black system heating and cooling grid 0,28 x 4,75 m
130	6228500	aquatherm black system heating and cooling grid 0,28 x 5,00 m
131	6232275	aquatherm black system heating and cooling grid 0,32 x 2,75 m
131	6232300	aquatherm black system heating and cooling grid 0,32 x 3,00 m
131	6232325	aquatherm black system heating and cooling grid 0,32 x 3,25 m
131	6232350	aquatherm black system heating and cooling grid 0,32 x 3,50 m
131	6232375	aquatherm black system heating and cooling grid 0,32 x 3,75 m
131	6232400	aquatherm black system heating and cooling grid 0,32 x 4,00 m
131	6232425	aquatherm black system heating and cooling grid 0,32 x 4,25 m
131	6232450	aquatherm black system heating and cooling grid 0,32 x 4,50 m
131	6232475	aquatherm black system heating and cooling grid 0,32 x 4,75 m
131	6232500	aquatherm black system heating and cooling grid 0,32 x 5,00 m
131	6236275	aquatherm black system heating and cooling grid 0,36 x 2,75 m
131	6236300	aquatherm black system heating and cooling grid 0,36 x 3,00 m
131	6236325	aquatherm black system heating and cooling grid 0,36 x 3,25 m
131	6236350	aquatherm black system heating and cooling grid 0,36 x 3,50 m
131	6236375	aquatherm black system heating and cooling grid 0,36 x 3,75 m
131	6236400	aquatherm black system heating and cooling grid 0,36 x 4,00 m
131	6236425	aquatherm black system heating and cooling grid 0,36 x 4,25 m
131	6236450	aquatherm black system heating and cooling grid 0,36 x 4,50 m
131	6236475	aquatherm black system heating and cooling grid 0,36 x 4,75 m
131	6236500	aquatherm black system heating and cooling grid 0,36 x 5,00 m
132	6240275	aquatherm black system heating and cooling grid 0,40 x 2,75 m
132	6240300	aquatherm black system heating and cooling grid 0,40 x 3,00 m
132	6240325	aquatherm black system heating and cooling grid 0,40 x 3,25 m
132	6240350	aquatherm black system heating and cooling grid 0,40 x 3,50 m
132	6240375	aquatherm black system heating and cooling grid 0,40 x 3,75 m
132	6240400	aquatherm black system heating and cooling grid 0,40 x 4,00 m
132	6240425	aquatherm black system heating and cooling grid 0,40 x 4,25 m
132	6240450	aquatherm black system heating and cooling grid 0,40 x 4,50 m
132	6240475	aquatherm black system heating and cooling grid 0,40 x 4,75 m
132	6240500	aquatherm black system heating and cooling grid 0,40 x 5,00 m
132	6248275	aquatherm black system heating and cooling grid 0,48 x 2,75 m
132	6248300	aquatherm black system heating and cooling grid 0,48 x 3,00 m
132	6248325	aquatherm black system heating and cooling grid 0,48 x 3,25 m
132	6248350	aquatherm black system heating and cooling grid 0,48 x 3,50 m
132	6248375	aquatherm black system heating and cooling grid 0,48 x 3,75 m
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132	6248450	aquatherm black system heating and cooling grid 0,48 x 4,50 m
132	6248475	aquatherm black system heating and cooling grid 0,48 x 4,75 m
132	6248500	aquatherm black system heating and cooling grid 0,48 x 5,00 m
133	6252275	aquatherm black system heating and cooling grid 0,52 x 2,75 m
133	6252300	aquatherm black system heating and cooling grid 0,52 x 3,00 m
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133	6252400	aquatherm black system heating and cooling grid 0,52 x 4,00 m
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133	6252500	aquatherm black system heating and cooling grid 0,52 x 5,00 m
133	6256275	aquatherm black system heating and cooling grid 0,56 x 2,75 m
133	6256300	aquatherm black system heating and cooling grid 0,56 x 3,00 m
133	6256325	aquatherm black system heating and cooling grid 0,56 x 3,25 m
133	6256350	aquatherm black system heating and cooling grid 0,56 x 3,50 m
133	6256375	aquatherm black system heating and cooling grid 0,56 x 3,75 m
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133	6256425	aquatherm black system heating and cooling grid 0,56 x 4,25 m
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133	6256475	aquatherm black system heating and cooling grid 0,56 x 4,75 m
133	6256500	aquatherm black system heating and cooling grid 0,56 x 5,00 m
134	6260275	aquatherm black system heating and cooling grid 0,60 x 2,75 m
134	6260300	aquatherm black system heating and cooling grid 0,60 x 3,00 m
134	6260325	aquatherm black system heating and cooling grid 0,60 x 3,25 m;
134	6260350	aquatherm black system heating and cooling grid 0,60 x 3,50 m
134	6260375	aquatherm black system heating and cooling grid 0,60 x 3,75 m
134	6260400	aquatherm black system heating and cooling grid 0,60 x 4,00 m
134	6260425	aquatherm black system heating and cooling grid 0,60 x 4,25 m
134	6260450	aquatherm black system heating and cooling grid 0,60 x 4,50 m
134	6260475	aquatherm black system heating and cooling grid 0,60 x 4,75 m
134	6260500	aquatherm black system heating and cooling grid 0,60 x 5,00 m
134	6268275	aquatherm black system heating and cooling grid 0,68 x 2,75 m
134	6268300	aquatherm black system heating and cooling grid 0,68 x 3,00 m
134	6268325	aquatherm black system heating and cooling grid 0,68 x 3,25 m
134	6268350	aquatherm black system heating and cooling grid 0,68 x 3,50 m
134	6268375	aquatherm black system heating and cooling grid 0,68 x 3,75 m

DELETED ARTICLES SINCE THE LAST VERSION

Page	Art. no.	Article
134	6268400	aquatherm black system heating and cooling grid 0,68 x 4,00 m
134	6268425	aquatherm black system heating and cooling grid 0,68 x 4,25 m
134	6268450	aquatherm black system heating and cooling grid 0,68 x 4,50 m
134	6268475	aquatherm black system heating and cooling grid 0,68 x 4,75 m
134	6268500	aquatherm black system heating and cooling grid 0,68 x 5,00 m
135	6280275	aquatherm black system heating and cooling grid 0,80 x 2,75 m
135	6280300	aquatherm black system heating and cooling grid 0,80 x 3,00 m
135	6280325	aquatherm black system heating and cooling grid 0,80 x 3,25 m
135	6280350	aquatherm black system heating and cooling grid 0,80 x 3,50 m
135	6280375	aquatherm black system heating and cooling grid 0,80 x 3,75 m
135	6280400	aquatherm black system heating and cooling grid 0,80 x 4,00 m
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135	6280450	aquatherm black system heating and cooling grid 0,80 x 4,50 m
135	6280475	aquatherm black system heating and cooling grid 0,80 x 4,75 m
135	6280500	aquatherm black system heating and cooling grid 0,80 x 5,00 m
135	6200275	aquatherm black system heating and cooling grid 1,00 x 2,75 m
135	6200300	aquatherm black system heating and cooling grid 1,00 x 3,00 m
135	6200325	aquatherm black system heating and cooling grid 1,00 x 3,25 m
135	6200350	aquatherm black system heating and cooling grid 1,00 x 3,50 m
135	6200375	aquatherm black system heating and cooling grid 1,00 x 3,75 m
135	6200400	aquatherm black system heating and cooling grid 1,00 x 4,00 m
135	6200425	aquatherm black system heating and cooling grid 1,00 x 4,25 m
135	6200450	aquatherm black system heating and cooling grid 1,00 x 4,50 m
135	6200475	aquatherm black system heating and cooling grid 1,00 x 4,75 m
135	6200500	aquatherm black system heating and cooling grid 1,00 x 5,00 m

Connection type 64, only on request:

130	6424275	aquatherm black system heating and cooling grid 0,24 x 2,75 m
130	6424300	aquatherm black system heating and cooling grid 0,24 x 3,00 m
130	6424325	aquatherm black system heating and cooling grid 0,24 x 3,25 m
130	6424350	aquatherm black system heating and cooling grid 0,24 x 3,50 m
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130	6424475	aquatherm black system heating and cooling grid 0,24 x 4,75 m
130	6424500	aquatherm black system heating and cooling grid 0,24 x 5,00 m
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130	6428325	aquatherm black system heating and cooling grid 0,28 x 3,25 m
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130	6428475	aquatherm black system heating and cooling grid 0,28 x 4,75 m
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131	6432275	aquatherm black system heating and cooling grid 0,32 x 2,75 m
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131	6432500	aquatherm black system heating and cooling grid 0,32 x 5,00 m
131	6436275	aquatherm black system heating and cooling grid 0,36 x 2,75 m
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132	6440275	aquatherm black system heating and cooling grid 0,40 x 2,75 m
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132	6448325	aquatherm black system heating and cooling grid 0,48 x 3,25 m
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133	6456275	aquatherm black system heating and cooling grid 0,56 x 2,75 m
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133	6456325	aquatherm black system heating and cooling grid 0,56 x 3,25 m
133	6456350	aquatherm black system heating and cooling grid 0,56 x 3,50 m
133	6456375	aquatherm black system heating and cooling grid 0,56 x 3,75 m
133	6456400	aquatherm black system heating and cooling grid 0,56 x 4,00 m
133	6456425	aquatherm black system heating and cooling grid 0,56 x 4,25 m
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133	6456475	aquatherm black system heating and cooling grid 0,56 x 4,75 m
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135	6480475	aquatherm black system heating and cooling grid 0,80 x 4,75 m
135	6480500	aquatherm black system heating and cooling grid 0,80 x 5,00 m
135	6400275	aquatherm black system heating and cooling grid 1,00 x 2,75 m
135	6400300	aquatherm black system heating and cooling grid 1,00 x 3,00 m
135	6400325	aquatherm black system heating and cooling grid 1,00 x 3,25 m
135	6400350	aquatherm black system heating and cooling grid 1,00 x 3,50 m
135	6400375	aquatherm black system heating and cooling grid 1,00 x 3,75 m
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135	6400425	aquatherm black system heating and cooling grid 1,00 x 4,25 m
135	6400450	aquatherm black system heating and cooling grid 1,00 x 4,50 m
135	6400475	aquatherm black system heating and cooling grid 1,00 x 4,75 m
135	6400500	aquatherm black system heating and cooling grid 1,00 x 5,00 m

Control components

146	92402–92412	aquatherm heating circuit manifold with flow indicator and dynamic valves
146	92302–92312	aquatherm heating circuit manifold with flow indicator
147	92320	aquatherm ball valve set
147	92330	aquatherm mid connection set
147	92323	aquatherm universal heat meter
149	94236	aquatherm dewpoint sensor
149	94307	aquatherm radio room thermostat
149	94347	aquatherm multichannel receiver
149	94348	aquatherm Hub

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REBRANDING

The desire to avoid stagnation and continuously improve our products, as well as to find new fields of application and create solutions quickly, has resulted in some of the well-known aquatherm product groups. This often led to systems being named as they emerged and has resulted in naming conventions that no longer accurately convey the suitable applications for the pipe.

Another issue was that many of our pipes and systems have names that do not relate to each other, and in turn do not relate those products to their parent company, aquatherm. Furthermore, other companies from different industries around the globe use similar names, creating confusion between aquatherm products and their products. The desired uniqueness of our system identification was lost.

Thus, the next logical step for us was to introduce a naming system that matches and unifies our products.

no.	brand name	appendix			Material/Glasfibrecontent GF[%]/ fire class. acc. ISO 11925	article-no.	po
		Standard Dimension Ratio	structure of pipe	special feature of pipe			
1	aquatherm green pipe	SDR 11	S		PP-R/GF0/E	10208 . . . 10242	
2	aquatherm green pipe	SDR 7.4	S		PP-R/GF0/E	10806 . . . 10818	
3	aquatherm green pipe	SDR 6	S		PP-R/GF0/E	10006 . . . 10024	
4	aquatherm green pipe	SDR 7.4	MF		PP-R/GF7/E	70708 . . . 70738	
5	aquatherm green pipe	SDR 7.4	MF	UV	inliner like 4 with black PE-coating	70758 . . . 70788	
6	aquatherm green pipe	SDR 9	MF	TI	inliner like 4 with PU-Insulation and black PE-casing	1370711 . . . 1370738	
7	aquatherm green pipe	SDR 9	MF	RP	PP-RP/GF7/E	370712 . . . 370744	
8	aquatherm green pipe	SDR 9	MF	RP UV	inliner like 7 with black PE-coating	370762 … 370794	
9	aquatherm blue pipe	SDR 11	S		PP-R/GF0/E	2010208 . . . 2010312	
10	aquatherm blue pipe	SDR 7.4 / SDR 11 / SDR 17.6	MF		PP-R/GF7/E	2070708 . . . 2570154	
11	aquatherm blue pipe	SDR 7.4 / SDR 11	MF	UV	inliner like 10 with black PE-coating	2070162 . . . 2070760	
12	aquatherm blue pipe	SDR 7.4 / SDR 11	MF	OT	inliner like 10 with EVOH O2-barrier	2170114 . . . 2170712	
13	aquatherm blue pipe	SDR 7.4 / SDR11	MF	TI	inliner like 10 with PU-Insulation and black PE-casing	2270111 . . . 2270142	
14	aquatherm blue pipe	SDR 7.4 / SDR11	MF	OT-TI	inliner like 12 with PU-insulation and black PE-casing	2470711 . . . 2470138	
15	aquatherm red pipe	SDR 7.4	MF	HI	PP-R/GF7/B-s1,d0	4170130 . . . 4170726	
16	aquatherm black system			OT			
17	aquatherm orange system		S	OT			
18	aquatherm grey pipe						

LEGEND			
S	single layer	**UV**	ultraviolet protected
M	multilayer	**TI**	isolated with PUR and external PE pipe
MF	multilayer faser	**RP**	raised pressure (resistance)
OT	oxygen tight	**HI**	hardly inflammable

fields of application										
table water	HVACR	swimming pool	chemical fluids	recycled & reclaimed water	fire protection	compressed air	district heating	geothermal	shipbuilding sector	Refrigeration and air conditioning
●	❍	●	●	❍		❍	●	●	●	❍
●	❍	●	●	❍		❍	●	●	●	❍
●	❍	●	●	❍		❍	●	●	●	❍
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System recommended due to its technical advantages: ●
Application of the system is suitable: ❍

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.

HIGH QUALITY MEETS ECOLOGY
AQUATHERM BLACK SYSTEM WAS AWARDED THE "PLUS X AWARD"

A product from aquatherm received a very special award: The aquatherm black system surface heating and cooling system was honored with the "Plus X Award 2019".

The system won the award in the sanitary and climate sector for a total of four outstanding features: high quality, design, ease of use and ecology. Among other things, the jury's statement states: "The aquatherm black system surface heating and cooling system creates a pleasant room climate without -disturbing drafts. Depending on the chosen water temperature, this technology can either be heated or cooled. "For this purpose, the surface temperature of the black heating and cooling elements made of corrosion-resistant polypropylene is driven a few degrees above or below the desired room temperature as required. This ensures a rapid radiation exchange, which causes a pleasant warmth or coolness without raising dust.

The flexibility of the system was another reason that convinced the jury: "The high-quality aquatherm black system can be easily installed in walls, floors and ceilings, even retrofitting is possible. In addition, the system is very energy efficient. "In addition, the jury praised the automatic and silent switching from heating to cooling mode. Another important advantage of the system is that the register elements have a low weight of about 4.1 kg / m² including water filling and are already being produced object-specifically in the main plant of the aquatherm group of companies in Attendorn. This allowed a quick installation on site.

"We are very happy about the award for our aquatherm black system", explains Dirk Rosenberg, together with his -brothers Maik and Christof managing director of aquatherm. "It is an incentive for us to continue to focus our work on the development of innovative products."

With an international and independent panel of experts from 80 industries, 23 strategic partners and more than 700 participating, international brands, the "Plus X Award" is today the world's largest innovation prize for technology, sport and lifestyle. He distinguishes brands for the quality and innovation advantage of their products. The innovation prize was initiated as a project to protect and strengthen the brand and trade, as well as to improve the orientation of the end consumer, and in 2019 will be in its 16th year of existence.

Further information on aquatherm black system is available at www.aquatherm.de.

PLUS X AWARD

2019 achieved for:

High Quality

Design

Ease of Use

Ecology

www.plusxaward.com



In addition to the high-quality processing, the jury praised, among other things, the engery-saving effect of the aquatherm black system.

Fields of application

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

short cuts structure of pipe	
S	single
M	multilayer
MF	multilayer faser
OT	oxygen tight
UV	UV resistant
TI	thermal insulation
HI	hardly inflammable

short cuts material	
PP	polypropylene
PP-R	polypropylene random
PP-RP	polypropylen with raised pressure
PE-RT	polyethylene with raised temperature resistance

COLOUR SCHEMA
For the presentation of combinable products.

✦ = Only available on request.

Systems		• 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

The innovative all-rounder, which revolutionized the plastic pipe sector, made a name for itself within a very short time that stands for highest quality and outstanding ecological properties. The aquatherm system has proven its excellent technical suitability in more than 45 years of application worldwide, and among experts has long been one of the most extensive and at the same time best plastic pipe systems.

The system includes the different types of pipes SDR 6, SDR 7.4, SDR 9 and SDR 11. These are supplemented by the especially reinforced fiber composite pipe. More than 450 joining and connection elements as well as valves and ball valves complete the system. The products are available from 16 mm to 450 mm external diameter.

Pipe system made of polypropylene
for potable water supply

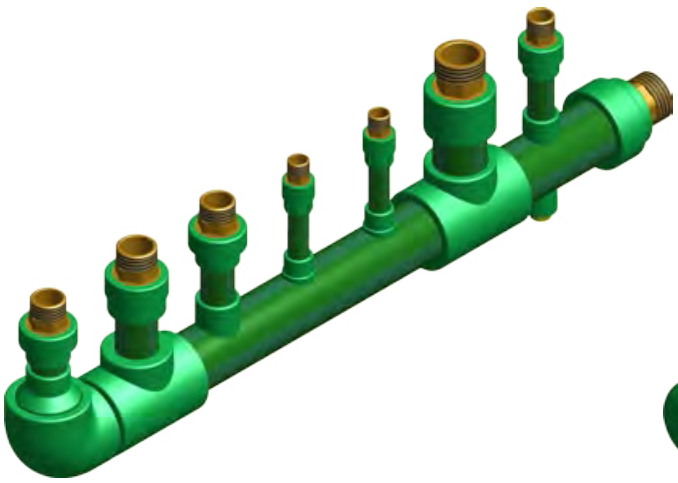
article no.	brand name	Standard Dimension Ratio	structure of pipe	special feature of pipe	material
10208 . . . 10242	aquatherm green pipe	SDR 11	S		PP-R
10806 . . . 10818	aquatherm green pipe	SDR 7.4	S		PP-R
10006 . . . 10024	aquatherm green pipe	SDR 6	S		PP-R
70708 . . . 70738	aquatherm green pipe	SDR 7.4	MF		PP-R
70758 . . . 70788	aquatherm green pipe	SDR 7.4	MF	UV	PP-R
1370711 . . . 1370738	aquatherm green pipe	SDR 9	MF	TI	PP-R
370712 . . . 370744	aquatherm green pipe	SDR 9	MF	RP	PP-RP
370762 . . . 370794	aquatherm green pipe	SDR 9	MF	RP UV	PP-RP

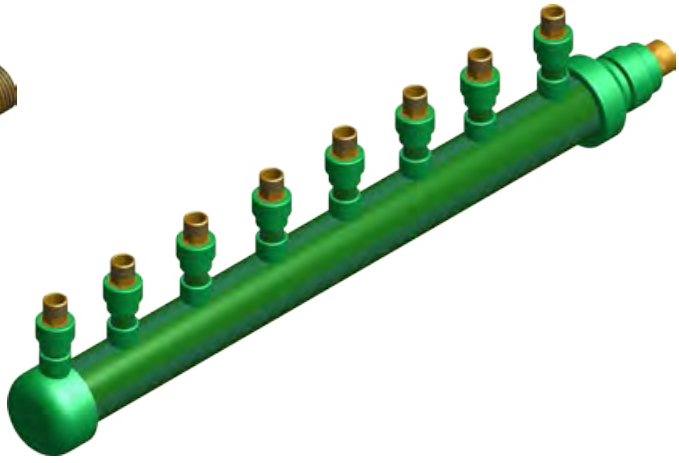
MANIFOLD CONSTRUCTION – CUSTOM MADE

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 drawings and/or sketches with dimensions are required.We return the offer including material list and drawing. A qualified team of experienced technicians likes to assist you.

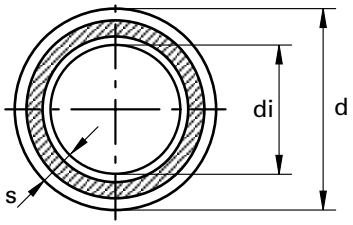
For detailed information referring manifold construction please contact our technical hotline: +49 2722 950 200.

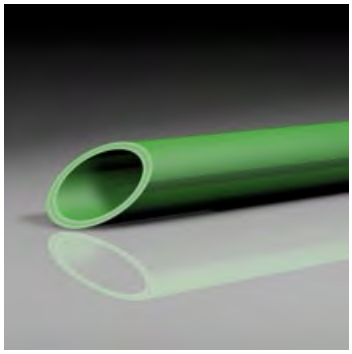




aquatherm green pipe **SDR 9 MF RP**

Structure of pipe: MF = multilayer, with fibre reinforced
Special feature of pipe: RP (raised pressure)
Material: fusiolen® PP-R
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:





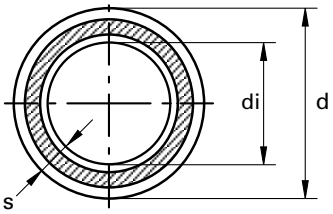
Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

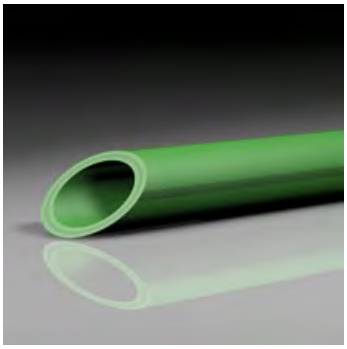
SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m
					Socket welding				
	370712	**32**	3,6	24,80	0,483	0,328	25	40	
	370714	**40**	4,5	31,00	0,754	0,511	32	40	
	370716	**50**	5,6	38,80	1,182	0,791	40	20	
	370718	**63**	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	
9	**370724**	**110**	12,3	85,40	5,725	3,789	80	8	
	370726	**125**	14,0	97,00	7,386	4,886	100	4	
					Butt welding				
	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 = multilayer, with 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 legths 4 m
Packing Unit: PU in meter
Application:





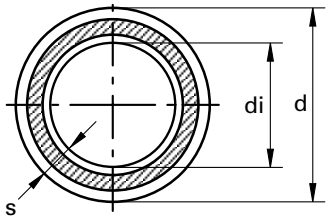


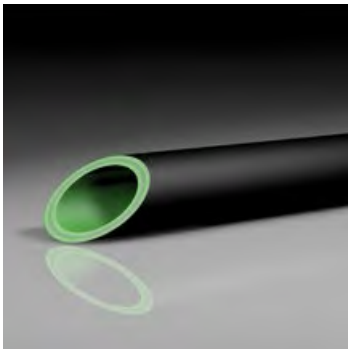
Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

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
					Socket welding				
	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	23,20	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	
7.4	**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	
					Butt welding				
	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 = multilayer, with fibre reinforced
Special feature of pipe: RP (raised pressure), UV resistant
Material: fusiolen® PP-RP
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:



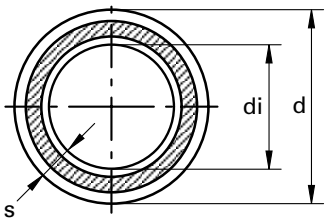


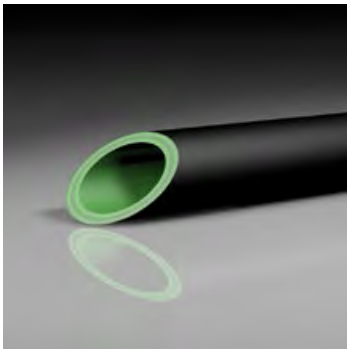
Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-R.

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
					Socket welding				
	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	
9	**370774**	**110**	12,3	85,40	5,725	4,397	80	8	
	370776	**125**	14,0	97,00	7,386	5,530	100	4	
					Butt welding				
	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 = multilayer, with fibre reinforced
Special feature of pipe: 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: outer layer: black
inner layer: green
Form supplied: straight legths 4 m
ø 160 – 250 mm straight lengths 5.8 m
Packing Unit: PU in meter
Application:



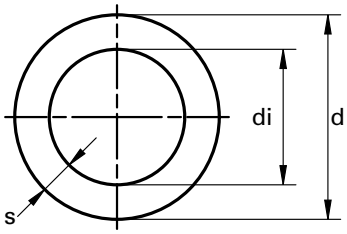


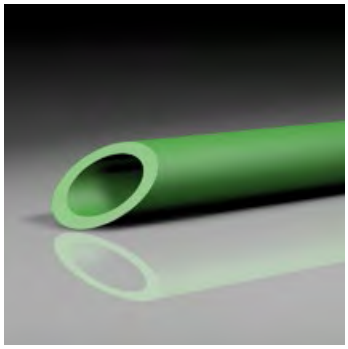
Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-R.

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
					Socket welding				
	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	
7.4	**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	
					Butt welding				
	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		*Dimensions 315 and 355 mm see aquatherm green pipe SDR 9 MF RP UV on page 16*					

aquatherm green pipe **SDR 6 / 7.4 S**

Structure of pipe: s (single)
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,
Packing Unit: PU in meter
Application:

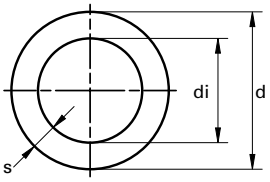


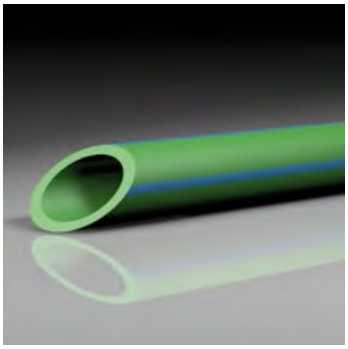


SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m
6	**10006**	**16**	2,7	10,60	0,088	0,111	10	100	
	10008	**20**	3,4	13,20	0,137	0,174	12	100	
	10010	**25**	4,2	16,60	0,216	0,268	15	100	
	10012	**32**	5,4	21,20	0,353	0,437	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	
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	

aquatherm green pipe SDR 11 S

Structure of pipe: 20 – 315 mm = s (single)
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
ø 160 – 315 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
11					*Socket welding*				
	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	
					Butt welding				
	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	

aquatherm blue pipe

aquatherm blue pipe, our specialty for distributing cooling and heating in closed and open systems as well as in several industrial applications. It was developed in order to prevent corrosion in heating system pipes and in cooling and refrigeration systems and quickly expanded its range of application, with many positive features for other fields of piping installation. It has gone on to find success around the world in hotels, stadiums, schools, offices, and industrial applications. In addition to the general advantages of the PP-R-pipesystem aquatherm blue pipe in comparison with the aquatherm green pipe system it offers higher volumetric current values due to smaller wall thickness.

Pipe system made of polypropylene
for chilled, hot fluid and various industrial applications

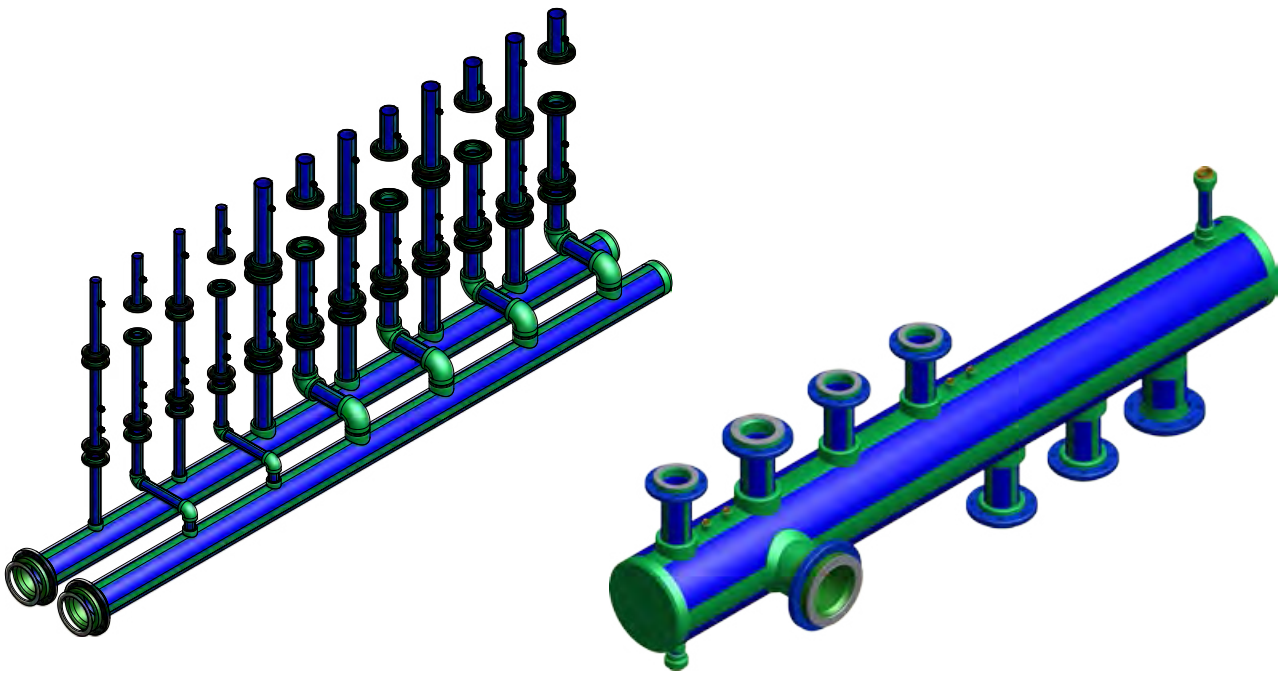
article no.	brand name	Standard Dimension Ratio	structure of pipe	special feature of pipe	material
2010208 . . . 2010212	aquatherm blue pipe	SDR 11	S		PP-R
2070112 . . . 2070710	aquatherm blue pipe	SDR 7.4/SDR 11	MF		PP-R
2070162 . . . 2070760	aquatherm blue pipe	SDR 7.4/SDR 11/SDR 17.6	MF	UV	PP-R
2170114 . . . 2170712	aquatherm blue pipe	SDR 7.4/SDR 11	MF	OT	PP-R
2570130 . . . 2570154	aquatherm blue pipe	SDR 17.6	MF		PP-R
2270111 . . . 2270142	aquatherm blue pipe	SDR 7.4/SDR 11	MF	TI	PP-R
2470711 . . . 2470126	aquatherm blue pipe	SDR 7.4/SDR 11	MF	OT-TI	PP-R

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.

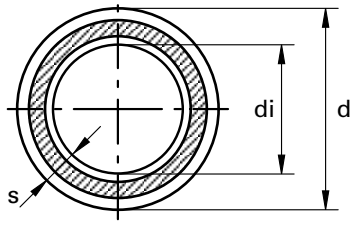
To start the process, only the corresponding planning data, 3D drawings and/or sketches with dimensions are required. We return the offer including material list and drawing. A qualified team of experienced technicians likes to assist you.

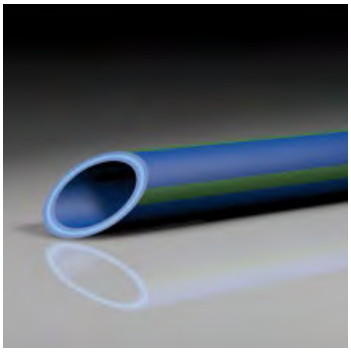
For detailed information referring manifold construction please contact our technical hotline: +49 2722 950 200.



aquatherm blue pipe SDR 7.4 / 11 / 17.6 MF

Structure of pipe: MF = multilayer, with fibre reinforced
Material: fusiolen® PP-R
Pipe series: SDR 7.4 / S 3.2 & SDR11 / S 5 & SDR 17.6 / S 8.3
Standards: SKZ HR 3.28, ASTM F 2389, CSA B 137.11, ISO 21003
Colour: blue with 4 wider green stripes
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:



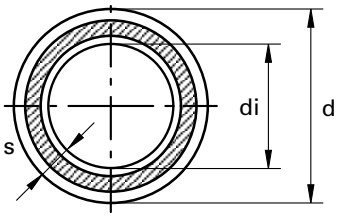


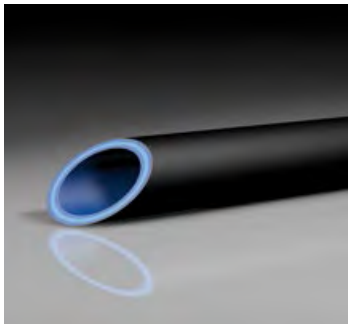
Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

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
				Socket welding					
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	
11	**2070112**	**32**	2,9	26,20	0,539	0,275	25	40	
	2070114	**40**	3,7	32,60	0,834	0,435	32	40	
	2070116	**50**	4,6	40,80	1,307	0,674	40	20	
	2070118	**63**	5,8	51,40	2,074	1,065	50	20	
	2070120	**75**	6,8	61,40	2,959	1,485	65	20	
	2070122	**90**	8,2	73,60	4,252	2,150	80	12	
	2070124	**110**	10,0	90,00	6,359	3,185	-	8	
	2070126	**125**	11,4	102,20	8,199	4,130	100	4	
				Butt welding					
	2070130	**160**	14,6	130,80	13,430	6,751	125	5.8	
	2070134	**200**	18,2	163,60	21,010	10,515	150	5.8	
	2070138	**250**	22,7	204,60	32,861	16,363	200	5.8	
	2070142	**315**	28,6	257,80	52,172	25,958	250	5.8	
	2070144	**355**	32,2	290,60	66,29	32,941	300	5.8	
	2070146	**400**	36,3	327,60	84,290	41,818	300	5.8	
	2070148	**450**	40,9	368,20	106,477	52,930	400	5.8	
17.6				*Socket welding*					
	2570126	**125**	7,1	110,80	9,637	2,697	100	4	
				Butt welding					
	2570130	**160**	9,1	141,80	15,792	4,574	150	5.8	
	2570134	**200**	11,4	177,20	24,661	7,081	200	5.8	
	2570138	**250**	14,2	221,60	38,568	10,949	250	5.8	
	2570142	**315**	17,9	279,20	61,223	17,245	300	5.8	
	2570144	**355**	20,1	314,80	77,832	21,806	350	5.8	
	2570146	**400**	22,7	354,60	98,756	27,638	350	5.8	
	2570148	**450**	25,5	399,00	125,036	34,858	400	5.8	
	2570150	**500**	28,4	443,20	154,272	43,048	450	5.8	
	2570154	**630**	35,7	558,60	245,070	67,917	500	5.8	

aquatherm blue pipe SDR 7.4/11/17.6 MF UV

Structure of pipe: MF = multilayer, with fibre reinforced
Special feature of pipe: UV resistant
Material: fusiolen® PP-R
Pipe series: SDR 7.4 / S 3.2 & SDR11/SDR 17.6 / S 8.3
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:



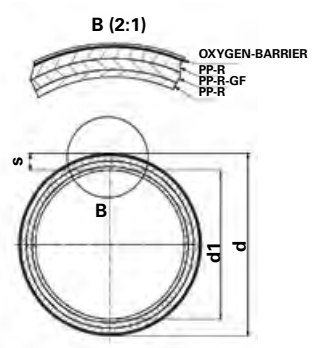


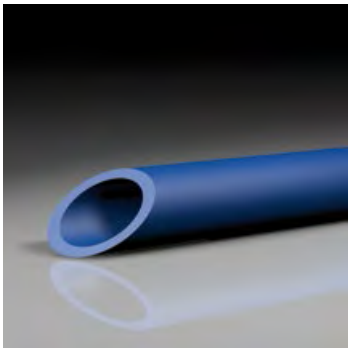
UV-resistant. Mechanically stabilized by a fibre mixture, integrated in the middle layer of fusiolen® PP-R.

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
					Socket welding				
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	
11	**2070162**	**32**	2,9	26,20	0,539	0,368	25	40	
	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	2,491	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	
					Butt welding				
	2070180	**160**	14,6	130,80	13,430	7,051	125	5.8	
	2070184	**200**	18,2	163,60	21,010	10,845	150	5.8	
	2070188	**250**	22,7	204,60	32,861	16,681	200	5.8	
	2070192	**315**	28,6	257,80	52,172	26,217	250	5.8	
	2070194	**355**	32,2	290,60	66,292	33,153	300	5.8	
	2070196 ✦	**400**	36,3	327,40	84,145	41,937	300	5.8	
	2070198 ✦	**450**	40,9	368,20	106,423	52,997	400	5.8	
17.6	**2570180**	**160**	9,1	141,80	15,784	4,707	150	5.8	
	2570184	**200**	11,4	177,20	24,649	7,201	200	5.8	
	2570188	**250**	14,2	221,60	38,549	11,006	250	5.8	
	2570192	**315**	17,9	279,20	61,193	17,174	300	5.8	

aquatherm blue pipe SDR 7.4 / 11 MF OT

Structure of pipe: MF = multilayer, with fibre reinforced
Special feature of pipe: OT = oxygen tight
Material: fusiolen® PP-R
Pipe series: SDR 7.4 / S 3.2 & SDR11 / S 5
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:



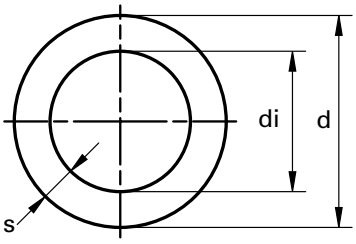


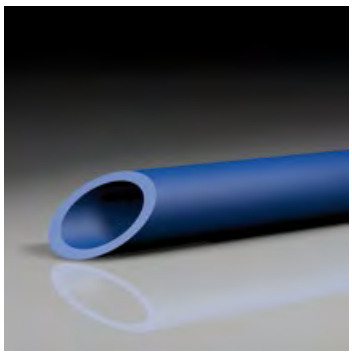
Oxygen tight by diffusion barrier. Mechanically stabilized through a fibre mix integrated in the middle layer of fusiolen® PP-R.

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
				Socket welding					
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	
	2170712	**32**	4,4	23,20	0,423	0,488	20	40	
11	**2170114**	**40**	3,7	32,60	0,834	0,562	32	40	
	2170116	**50**	4,6	40,80	1,307	0,838	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	
	2170124	**110**	10,0	90,00	6,359	3,752	-	8	
	2170126	**125**	11,4	102,20	8,199	4,857	100	4	
				Butt welding					
	2170130	**160**	14,6	130,80	13,430	6,888	125	5.8	
	2170134	**200**	18,2	163,60	21,010	10,687	150	5.8	
	2170138	**250**	22,7	204,60	32,861	16,578	200	5.8	

aquatherm blue pipe SDR 11 S

Structure of pipe: S (single)
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
Packing Unit: PU in meter
Application:



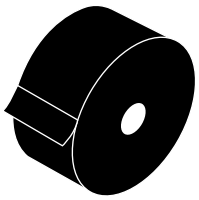


SDR	Art. no.	Dimension d [mm]	Wall thickness s [mm]	Internal diameter di [mm]	Water content [l/m]	Weight [kg]	DN	PU [m]	Price € m/pc
11	**2010208**	**20**	1,9	16,20	0,206	0,108	15	100	
	2010210	**25**	2,3	20,40	0,327	0,165	20	100	
	2010212	**32**	2,9	26,20	0,539	0,261	25	40	

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		

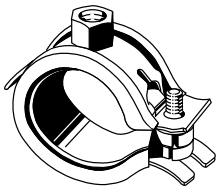


PIPE CLAMPS

suitable for sliding and fixed point installation

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

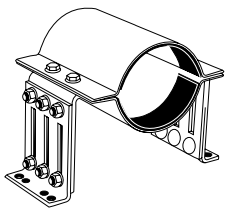
Art. no.	for pipe dimension [mm]	PU	Box unit	Price € pc
60516	**16**	50	50	
60520	**20**	50	200	
60525	**25**	50	200	
60532	**32**	50	200	
60540	**40**	50	150	
60550	**50**	50	150	
60563	**63**	25	100	
60575	**75**	25	100	
60590	**90**	25	75	
60594	**110**	25	50	
60595	**125**	25	50	
60597	**160**	25	25	
60650	**200**	1	18	
60654	**250**	1	12	
60658	**315**	1	3	
60660	**355**	1	3	



PIPE CLAMPS

suitable for fixed point installation

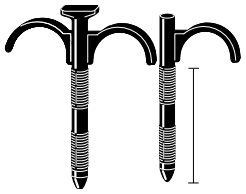
Art. no.	for pipe dimension [mm]	PU	Box unit	Price € pc
60768	**160**	1		
60770	**200**	1		
60774	**250**	1		
60778	**315**	1		
60780	**355**	1		
60782	**400**	1		
60784	**450**	1		
60786	**500**	1		
60790	**630**	1		



PIPE FASTENING BOW

suitable for ø 16 – 32 mm pipes

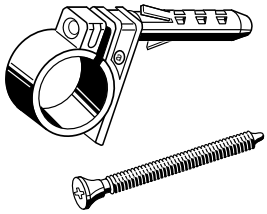
Art. no.	for pipe dimension	PU	Box unit	Price € pc
60604	**1-fold - length = 45mm**	50	4000	
60606	**1-fold - length = 75mm**	50	3000	
60608	**2-fold - length = 45mm**	50	2500	
60610	**2-fold - length = 75 mm**	50	1750	



PLASTIC PIPE CLAMPS

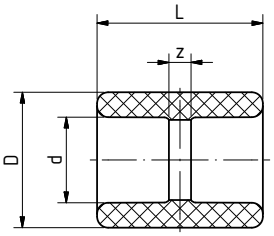
suitable for ø 16 – 40 mm pipes

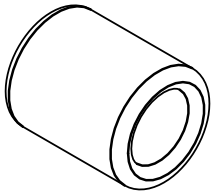
Art. no.	for pipe dimension [mm]	PU	Box unit	Price € pc
60616	**16**	50	3000	
60620	**20**	50	3000	
60625	**25**	30	1500	
60632	**32**	30	900	
60640	**40**	30		



SOCKET

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

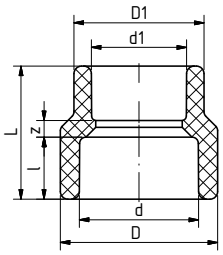


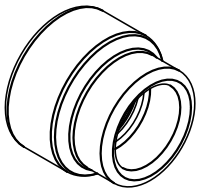


SDR	Art. no.	Dimension d [mm]	l [mm]	z [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11 17.6	**11006**	**16**	30,0	4,0	24,5	0,008	•	10	2000	
	11008	**20**	32,0	3,0	27,0	0,008	• •	10	1900	
	11010	**25**	35,0	3,0	34,0	0,013	• •	10	1000	
	11012	**32**	40,5	4,5	43,0	0,026	• •	5	600	
	11014	**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 FEMALE/FEMALE

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

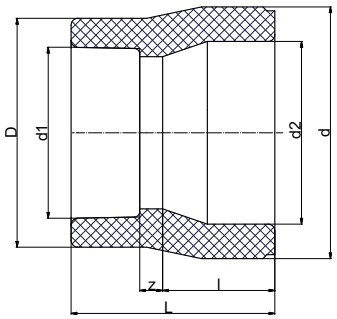


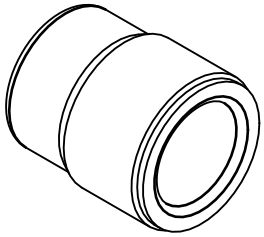


SDR	Art. no.	Dimension d [mm]	Dimension d1 [mm]	L [mm]	l [mm]	z [mm]	D [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
	double-sided socket welding												
6 7.4 9 11 17.6	**11222**	**40**	**32**	44,0	20,5	5,5	52,0	43,0	0,035	• •	1	40	
	11228	**50**	**32**	53,0	23,5	11,5	68,0	43,0	0,066	• •	1	25	
	11230	**50**	**40**	50,5	23,5	6,3	68,0	52,0	0,069	• •	1	100	
	11236	**63**	**40**	61,0	27,5	13,0	84,0	52,0	0,115	• •	1	100	
	11238	**63**	**50**	56,0	27,5	5,0	84,0	68,0	0,120	• •	1	100	
	11240	**75**	**50**	68,0	30,0	14,5	100,0	68,0	0,192	• •	1	80	
	11242	**75**	**63**	62,5	30,0	5,0	100,0	84,0	0,185	• •	1	80	
	11252	**90**	**63**	74,0	33,0	13,5	120,0	84,0	0,276	• •	1	50	
	11253	**90**	**75**	69,0	33,0	6,0	120,0	100,0	0,297	• •	1	50	
	11257	**110**	**75**	85,0	37,0	18,0	147,0	100,0	0,516	• •	1	45	
	11259	**110**	**90**	77,3	37,0	7,3	147,0	120,0	0,520	• •	1	35	
	11263	**125**	**90**	91,0	40,0	18,0	167,0	120,0	0,749	• •	1	25	
	11265	**125**	**110**	87,0	40,0	10,0	167,0	147,0	0,726	• •	1	20	

REDUCING SOCKET, SOCKET WELDING

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

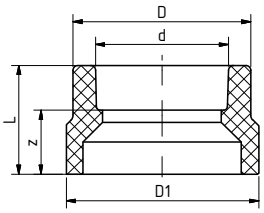


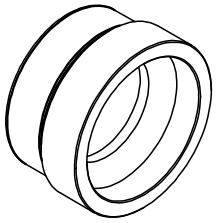


SDR	Art. no.	Dimension d [mm]	Dimension d1 [mm]	Dimension d2 [mm]	l [mm]	L [mm]	z [mm]	D [mm]	Weight [kg]	System		PU	Box unit	Price € pc
						double-sided socket welding								
	11109	**20**	**16**	**13,50**	14,5	39,0	11,5	24,5	0,009	•		10	2000	
	11110	**25**	**16**	**16,50**	16,0	38,0	9,0	26,0	0,012	•		10	2000	
	11112	**25**	**20**	**16,50**	16,0	38,5	8,0	29,5	0,012	•	•	10	1500	
	11114	**32**	**20**	**21,00**	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	150	
17.6	**11140**	**75**	**50**	**50,00**	30,0	63,0	9,5	68,0	0,141	•	•	1	100	
	11142	**75**	**63**	**50,00**	30,0	71,0	13,5	84,0	0,170	•	•	1	100	
	11143	**75**	**20**	**50,00**	30,0	65,5	21,0	34,5	0,113	•	•	1	200	
	11144	**75**	**25**	**50,00**	30,0	65,5	19,5	34,5	0,111	•	•	1	200	
	11145	**75**	**32**	**50,00**	30,0	69,5	21,5	52,0	0,140	•	•	1	150	
	11151	**90**	**50**	**60,00**	33,0	75,0	18,5	68,0	0,193	•	•	1	100	
	11152	**90**	**63**	**60,00**	33,0	78,0	17,5	84,0	0,224	•	•	1	75	
	11153	**90**	**75**	**60,00**	33,0	81,5	18,5	100,0	0,273	•	•	1	60	
	11155	**110**	**63**	**73,50**	37,0	86,0	21,5	84,0	0,356	•	•	1	50	
	11157	**110**	**75**	**73,50**	37,0	89,0	22,0	100,0	0,383	•	•	1	50	
	11159	**110**	**90**	**73,50**	37,0	99,0	29,0	120,0	0,500	•	•	1	40	
	11161	**125**	**75**	**84,00**	40,0	101,0	31,0	100,0	0,518	•	•	1	35	
	11163	**125**	**90**	**84,00**	40,0	99,0	26,0	120,0	0,588	•	•	1	35	
	11165	**125**	**110**	**84,00**	40,0	112,0	35,0	147,0	0,832	•	•	1	25	

REDUCING SOCKET, SOCKET & BUTT WELDING

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

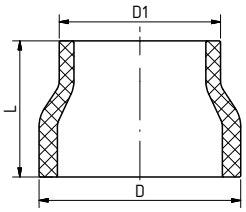


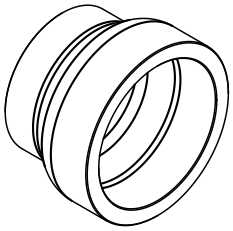


SDR	Art. no.	D1 [mm]	Dimension d [mm]	L [mm]	z [mm]	D [mm]	Weight [kg]	System		PU	Box unit	Price € pc
					onesided socket welding, other side butt welding							
	11174	**160**	**110**	90,0	53,0	147,0	0,730	•		1	25	
7.4	**11176**	**160**	**125**	90,0	50,0	167,0	0,837	•		1	25	
	11182	**200**	**125**	135,0	95,0	167,0	1,644	•		1		
	311174	**160**	**110**	90,0	53,0	147,0	0,730	•		1		
9	**311176**	**160**	**125**	90,0	50,0	167,0	0,868	•		1		
	311182	**200**	**125**	135,0	95,0	167,0	1,599	•		1		
	11175	**160**	**110**	90,0	53,0	147,0	0,655	•	•	1	25	
11	**11177**	**160**	**125**	90,0	50,0	167,0	0,636	•	•	1	25	
	11183	**200**	**125**	135,0	95,0	167,0	1,341	•	•	1		
	2511174	**160**	**110**	90,0	53,0	147,0	0,618		•	1		
17.6	**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-R & PP-RP
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

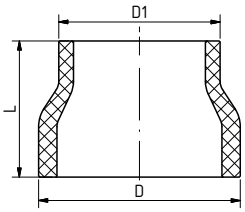


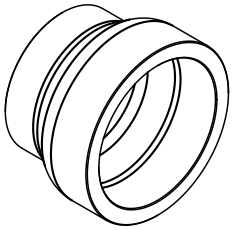


SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	Weight [kg]	System		PU	Box unit	Price € pc
				double-sided butt welding						
	11184	**200**	**160**	135,0	1,638	•		1	12	
7.4	**11188**	**250**	**160**	172,5	2,881	•		1	5	
	11190	**250**	**200**	172,5	3,250	•		1	5	
	311184	**200**	**160**	135,0	1,588	•		1		
	311188	**250**	**160**	172,5	2,900	•		1		
	311190	**250**	**200**	172,5	3,206	•		1		
9	**311192**	**315**	**200**	225,0	6,350	•		1		
	311194	**315**	**250**	225,0	7,050	•		1		
	311196	**355**	**250**	170,0	5,640	•		1		
	311198	**355**	**315**	160,0	4,940	•		1		
	11185	**200**	**160**	135,0	1,206	•	•	1	12	
	11189	**250**	**160**	172,5	2,313	•	•	1	5	
	11191	**250**	**200**	172,5	2,389	•	•	1	5	
	11193	**315**	**200**	225,0	4,389	•	•	1		
	11195	**315**	**250**	225,0	4,690	•	•	1	1	
	11197	**355**	**250**	170,0	4,510	•	•	1		
11	**11199**	**355**	**315**	160,0	4,635	•	•	1	3	
	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-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

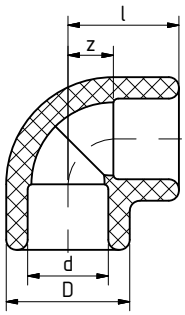


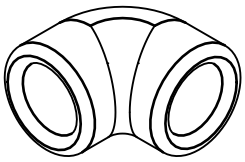


SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
				double-sided butt welding					
	2511184	**200**	**160**	135,0	1,012	•	1		
	2511188	**250**	**160**	172,5	1,500	•	1		
	2511190	**250**	**200**	172,5	1,338	•	1		
	2511193	**315**	**200**	225,0	4,141	•	1		
	2511195	**315**	**250**	225,0	3,420	•	1		
	2511197	**355**	**250**	170,0	4,480	•	1		
	2511199	**355**	**315**	160,0	3,108	•	1		
17.6	**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		

ELBOW 90°

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





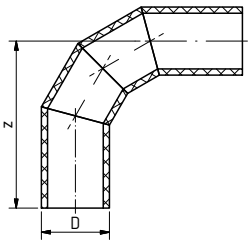
SDR	Art. no.	Dimension d [mm]	z [mm]	l [mm]	D [mm]	Weight [kg]	System		PU	Box unit	Price € pc
					socket welding						
	12106	**16**	9,0	22,0	24,5	0,010	•		10	2000	
	12108	**20**	11,0	25,5	27,0	0,013	•	•	10	1400	
	12110	**25**	13,5	29,5	34,0	0,023	•	•	10	800	
6	**12112**	**32**	17,0	35,0	43,0	0,043	•	•	5	400	
7.4	**12114**	**40**	21,0	41,5	52,0	0,077	•	•	5	250	
9	**12116**	**50**	26,0	49,5	68,0	0,162	•	•	5	125	
11	**12118**	**63**	32,5	60,0	84,0	0,293	•	•	1	70	
17.6	**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	15	
	12126	**125**	76,5	116,5	167,0	2,004	•	•	1	10	

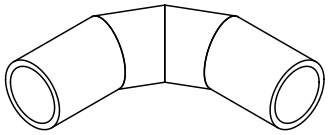
ELBOW 90° BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R & PP-RP
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.

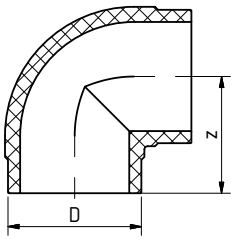
All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

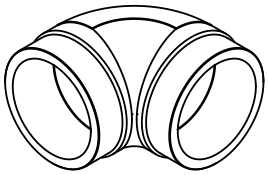
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.





Fitting made of pipe segments





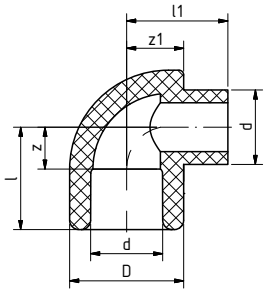
Injection molded fitting
Colour: green

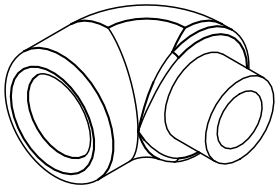
SDR	Art. no.	D [mm]	z [mm]	Weight [kg]	System		pipe segments	NEW injection molded* (green)	PU	Box unit	Price € pc
					butt welding						
	12130	**160**	145,0	2,561	•			•	1	8	
7.4	**12134**	**200**	450,0	11,685	•		•		1	16	
	12138	**250**	625,0	26,000	•		•		1	7	
	312130	**160**	145,0	2,371	•			•	1		
	312134	**200**	209,0	4,320	•			•	1		
9	**312138**	**250**	240,0	8,500	•			•	1		
	312142	**315**	773,0	42,300	•		•		1		
	312144	**355**	833,0	57,628	•		•		1		
	12131	**160**	145,0	2,145	•	•		•	1	8	
	12135	**200**	209,0	4,653	•	•		•	1	12	
	12139	**250**	240,0	7,180	•	•		•	1	6	
11	**12143**	**315**	773,0	37,850	•		•		1	2	
	12145	**355**	833,0	49,000	•		•		1		
	12147	**400**	900,0	62,800	•		•		1		
	12149	**450**	975,0	89,500	•		•		1		
	2012143[1)]	**315**	773,0	37,300		•	•		1		
	2012145[1)]	**355**	833,0	57,074		•	•		1		
11	**2012147**[1)]	**400**	900,0	74,500		•	•		1	1	
	2012149[1)]	**450**	975,0	89,080		•	•		1		
	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		
17.6	**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-R*
* status quo at the time of printing, further injection molded parts follow

ELBOW 90° FEMALE/MALE

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

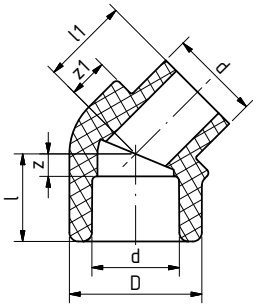


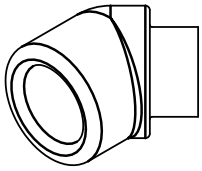


SDR	Art. no.	Dimension d [mm]	z [mm]	l [mm]	D [mm]	l1 [mm]	z1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
						socket welding						
6 7.4 9 11	**12306**	**16**	9,0	22,0	24,5	21,8	12,3	0,010	•	10	2000	
	12308	**20**	11,0	25,5	27,0	25,5	13,5	0,032	• •	10	1200	
	12310	**25**	13,5	29,5	34,0	29,5	17,0	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

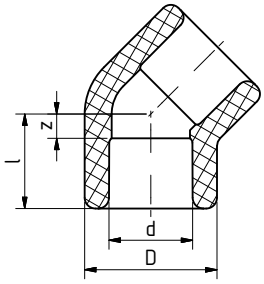


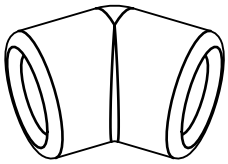


SDR	Art. no.	Dimension d [mm]	z [mm]	l [mm]	D [mm]	l1 [mm]	z1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
						socket welding						
6 7.4 9 11	**12708**	**20**	5,0	19,5	29,5	19,5	9,0	0,013	• •	10	1500	
	12710	**25**	6,0	22,0	34,0	22,0	8,5	0,017	• •	10	1000	
	12712	**32**	7,5	25,5	43,0	29,0	11,5	0,036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

ELBOW 45° SOCKET WELDING

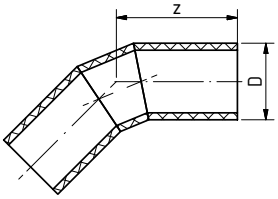
Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

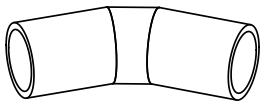




SDR	Art. no.	Dimension d [mm]	z [mm]	l [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
					socket welding					
6 7.4 9 11 17.6	**12506**	**16**	4,5	17,5	24,5	0,009	•	10	2000	
	12508	**20**	5,0	19,5	29,5	0,014	• •	10	1500	
	12510	**25**	6,0	22,0	34,0	0,018	• •	10	1000	
	12512	**32**	7,5	25,5	43,0	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	15	

ELBOW 45° BUTT WELDING

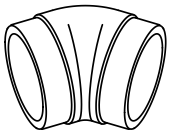




Fitting made of pipe segments

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R & PP-RP
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.

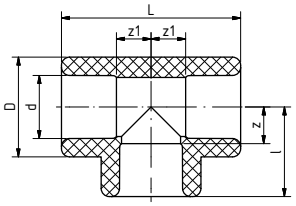


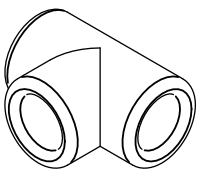
Injection molded fitting
Colour: green

SDR	Art. no.	D [mm]	z [mm]	Weight [kg]	System		pipe segments	injection molded*	PU	Box unit	Price € pc
				butt welding							
	12530	**160**	95,0	1,903	•			•	1	10	
7.4	**12534**	**200**	274,0	8,175	•		•		1	2	
	12538	**250**	412,0	20,500	•		•		1	10	
	312530	**160**	95,0	4,230	•			•	1		
	312534	**200**	146,0	7,500	•			•	1		
9	**312538**	**250**	182,0	17,000	•			•	1		
	312542	**315**	498,0	30,567	•		•		1		
	312544	**355**	520,0	40,771	•		•		1		
	12531	**160**	95,0	1,393	•	•		•	1	10	
	12535	**200**	146,0	3,408	•	•		•	1	2	
	12539	**250**	182,0	13,500	•	•		•	1	10	
11	**12543**	**315**	498,0	27,300	•		•		1	1	
	12545	**355**	520,0	26,650	•		•		1	1	
	12547[1)]	**400**	548,0	44,900	•		•		1		
	12549[1)]	**450**	580,0	60,500	•		•		1		
	2012543[1)]	**315**	498,0	27,100		•	•		1		
11	**2012545**[1)]	**355**	520,0	38,158		•	•		1		
	2012547[1)]	**400**	548,0	44,712		•	•		1		
	2012549[1)]	**450**	580,0	60,260		•	•		1		
	2512530	**160**	95,0	1,080		•		•	1		
	2512534	**200**	146,0	1,990		•		•	1		
	2512538	**250**	182,0	3,875		•		•	1		
	2512542[1)]	**315**	498,0	18,000		•	•		1		
17.6	**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-R*
* status quo at the time of printing, further injection molded parts follow

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
						socket welding							
	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	
6	**13112**	**32**	15,5	17,0	33,5	70,0	43,0	0,054	•	•	5	300	
7.4	**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	
17.6	**13120**	**75**	38,5	38,5	68,5	137,0	100,0	0,541	•	•	1	30	
	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	8	

T-PIECE BUTT WELDING

Systems: aquatherm green pipe, aquatherm blue pipe

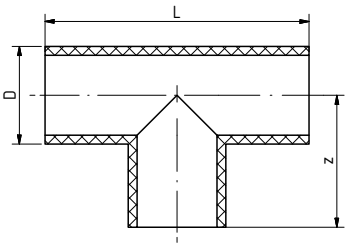
Material: fusiolen® PP-R & PP-RP

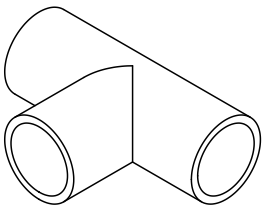
Standard: DIN 16962, DIN EN ISO 15874

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.

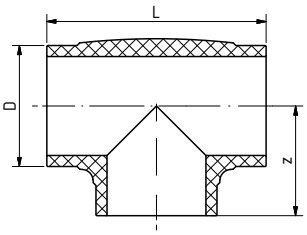
All fittings, which are converted to the injection molding production, are still available on inquiry as special fittings made of pipe segments. No article numbers are defined for special fittings of any type.

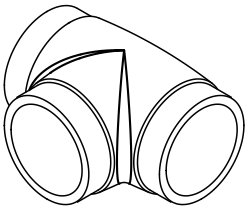
Please note! Electrofusion sockets can not be processed directly with injection molded fittings. When using electrofusion sockets either segment welded special fittings must be used or pipe pieces must be welded to the injection molded fittings.





Fitting made of pipe segments





Injection molded fitting
Colour: green

SDR	Art. no.	D [mm]	L [mm]	z [mm]	Weight [kg]	System		pipe segments	NEW injection molded* (green)	PU	Box unit	Price € pc
					butt welding							
7.4	**13130**	**160**	290,0	145,0	3,600	•			•	1	5	
	13134	**200**	500,0	250,0	9,825	•		•		1	2	
	13138	**250**	750,0	375,0	24,000	•		•		1	8	
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	5	
	13135	**200**	410,0	205,0	6,255	•	•		•	1	2	
	13139	**250**	486,0	243,0	10,710	•	•		•	1	8	
	13143	**315**	920,0	460,0	20,450	•		•		1	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		
[1)] *mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R*												
11	**2013143**	**315**	920,0	460,0	36,674	•		•		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		

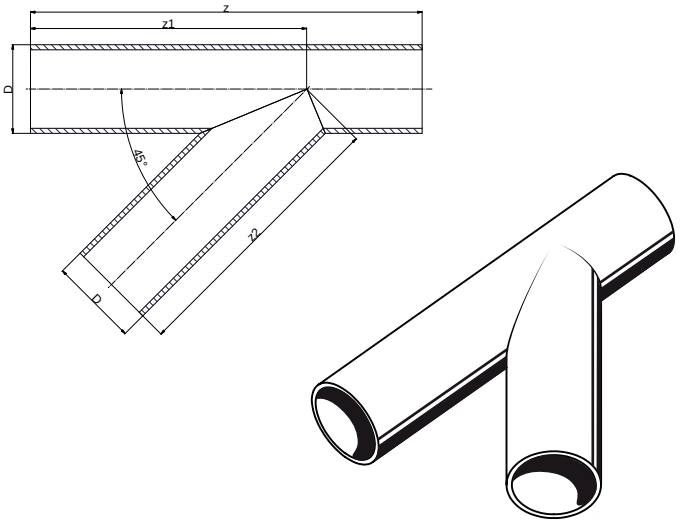
* status quo at the time of printing, further injection molded parts follow

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 161 – 164.



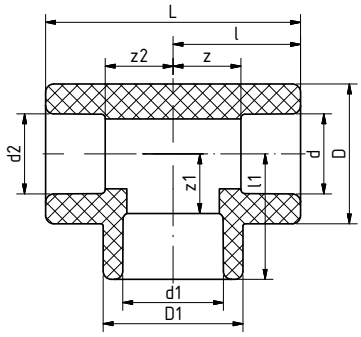
Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R
Standard: DIN16962-2
Color: blue/green

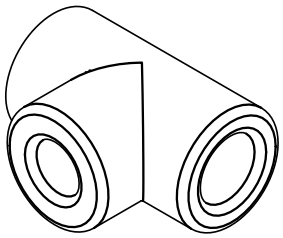
SDR	Art. no.	Dimension D [mm]	z [mm]	z1 [mm]	z2 [mm]	Weight [kg]	System		PU	Box unit	Price € pc
					Socket welding						
	2013018	**63**	560,0	380,0	380,0	0,843	•	•	1		
	2013020 ✦	**75**	570,0	405,0	405,0	1,210	•	•	1		
	2013022 ✦	**90**	577,0	412,0	412,0	1,750	•	•	1		
	2013024	**110**	610,0	435,0	435,0	2,730	•	•	1		
11	**2013026**	**125**	665,0	475,0	475,0	3,840	•	•	1		
					Butt welding						
	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		
					Socket welding						
	2513026 ✦	**125**	665,0	475,0	475,0	2,470	•	•	1		
					Butt welding						
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-R

RED.-T-PIECE, SOCKET WELDING

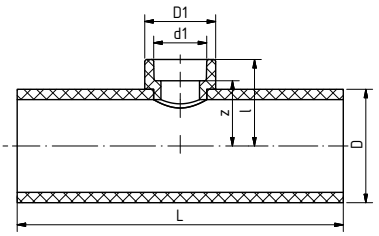
Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green
Form: injection moulded fittings

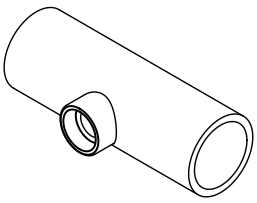




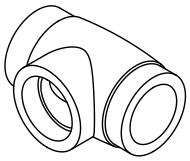
SDR	Art. no.	d [mm]	d1 [mm]	d2 [mm]	L [mm]	l [mm]	l1 [mm]	z [mm]	z1 [mm]	z2 [mm]	D [mm]	D1 [mm]	Weight [kg]	System		PU	Box unit	Price € pc
								socket welding										
	13506	**20**	**16**	**16**	51,0	25,5	25,3	11,0	12,3	12,5	29,5	29,5	0,025	•		10	1000	
	13508	**20**	**16**	**20**	51,0	25,5	25,3	11,0	12,3	11,0	29,5	29,5	0,024	•		10	1000	
	13510	**20**	**20**	**16**	51,0	25,5	25,3	11,0	10,8	12,5	29,5	29,5	0,023	•		10	1000	
	13511	**20**	**25**	**20**	62,0	31,0	30,5	16,5	14,5	16,5	34,0	34,0	0,040	•	•	10	500	
	13512	**25**	**16**	**16**	62,0	31,0	30,5	15,0	17,5	18,0	34,0	34,0	0,043	•		10	500	
	13514	**25**	**16**	**20**	62,0	31,0	30,5	15,0	17,5	16,5	34,0	34,0	0,041	•		10	500	
	13516	**25**	**16**	**25**	62,0	31,0	30,5	15,0	17,5	15,0	34,0	34,0	0,038	•		10	500	
	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	50	
	13561	**75**	**20**	**75**	137,0	68,5	54,5	38,5	40,0	38,5	100,0	34,0	0,501	•	•	1	35	
	13562	**75**	**25**	**75**	137,0	68,5	54,5	38,5	38,5	38,5	100,0	34,0	0,497	•	•	1	35	
	13564	**75**	**32**	**75**	137,0	68,5	59,0	38,5	41,0	38,5	100,0	52,0	0,505	•	•	1	35	
	13566	**75**	**40**	**75**	137,0	68,5	59,0	38,5	38,5	38,5	100,0	52,0	0,497	•	•	1	35	
	13568	**75**	**50**	**75**	137,0	68,5	66,0	38,5	42,5	38,5	100,0	84,0	0,550	•	•	1	35	
	13570	**75**	**63**	**75**	137,0	68,5	66,0	38,5	38,5	38,5	100,0	84,0	0,515	•	•	1	35	
	13576	**90**	**32**	**90**	158,0	79,0	64,0	46,0	46,0	46,0	120,0	43,0	0,880	•	•	1	25	
	13578	**90**	**40**	**90**	158,0	79,0	66,5	46,0	46,0	46,0	120,0	52,0	0,862	•	•	1	25	
	13580	**90**	**50**	**90**	158,0	79,0	69,5	46,0	46,0	46,0	120,0	68,0	0,905	•	•	1	25	
	13582	**90**	**63**	**90**	158,0	79,0	73,5	46,0	46,0	46,0	120,0	84,0	0,876	•	•	1	25	
	13584	**90**	**75**	**90**	158,0	79,0	76,0	46,0	46,0	46,0	120,0	100	0,991	•	•	1	25	
	13586	**110**	**63**	**110**	186,0	93,0	83,5	56,0	56,0	56,0	147,0	84,0	1,534	•	•	1	15	
	13588	**110**	**75**	**110**	186,0	93,0	86,0	56,0	56,0	56,0	147,0	100,0	1,517	•	•	1	15	
	13590	**110**	**90**	**110**	186,0	93,0	89,0	56,0	56,0	56,0	147,0	120,0	1,548	•	•	1	15	
	13592	**125**	**75**	**125**	233,0	116,5	106,5	76,5	76,5	76,5	167,0	100,0	2,427	•	•	1	8	
	13594	**125**	**90**	**125**	233,0	116,5	109,5	76,5	76,5	76,5	167,0	120,0	2,509	•	•	1	8	
	13596	**125**	**110**	**125**	233,0	116,5	113,5	76,5	76,5	76,5	167,0	147,0	2,563	•	•	1	8	

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





Fitting made of pipe segments



Injection molded fitting

Systems: aquatherm green pipe, aquatherm blue pipe
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

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.

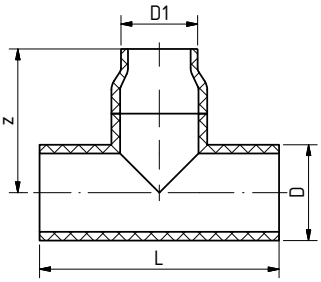
SDR	Art. no.	D [mm]	d1 [mm]	D1 [mm]	L [mm]	l [mm]	z [mm]	Weight [kg]	System		pipe segments	injection molded*	PU	Box unit	Price € pc
							branch: socket welding								
	13600	**160**	**75**	100,0	460,0	122,0	92,0	4,414	•		•		1	4	
	13602	**160**	**90**	120,0	460,0	125,0	92,0	4,515	•		•		1	4	
	13606	**160**	**125**	167,0	290,0	120,0	80,0	3,441	•			•	1	6	
	13608	**200**	**75**	100,0	500,0	142,0	112,0	7,110	•		•		1	1	
	13610	**200**	**90**	120,0	500,0	145,0	112,0	7,540	•		•		1	1	
7.4	**13612**	**200**	**110**	147,0	500,0	149,0	112,0	7,325	•		•		1	1	
	13614	**200**	**125**	167,0	500,0	155,0	115,0	7,645	•		•		1	1	
	13624	**250**	**75**	100,0	750,0	167,0	137,0	16,600	•		•		1	10	
	13626	**250**	**90**	120,0	750,0	170,0	137,0	16,800	•		•		1	10	
	13628	**250**	**110**	147,0	750,0	174,0	137,0	16,800	•		•		1	10	
	13630	**250**	**125**	167,0	750,0	180,0	140,0	17,000	•		•		1	10	
	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		
9	**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		
	13601	**160**	**75**	100,0	460,0	122,0	92,0	3,140	•	•	•		1	4	
	13603	**160**	**90**	120,0	460,0	125,0	92,0	3,176	•	•	•		1	4	
	13607	**160**	**125**	167,0	290,0	120,0	80,0	2,842	•	•		•	1	6	
	13609	**200**	**75**	100,0	500,0	142,0	112,0	5,284	•		•		1	1	
	13611	**200**	**90**	120,0	500,0	145,0	112,0	5,168	•		•		1	1	
	13613	**200**	**110**	147,0	500,0	149,0	112,0	5,648	•		•		1	1	
	13615	**200**	**125**	167,0	500,0	155,0	115,0	5,786	•		•		1	1	
11	**13625**	**250**	**75**	100,0	750,0	167,0	137,0	12,000	•		•		1	10	
	13627	**250**	**90**	120,0	750,0	170,0	137,0	12,000	•		•		1	10	
	13629	**250**	**110**	147,0	750,0	174,0	137,0	13,000	•		•		1	10	
	13631	**250**	**125**	167,0	750,0	180,0	140,0	12,000	•		•		1	10	
	13651[1)]	**315**	**125**	167,0	920,0	213,0	173,0	25,150	•		•		1	1	
	13663[1)]	**355**	**125**	167,0	960,0	233,0	193,0	30,851	•		•		1		
	13676[1)]	**400**	**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		

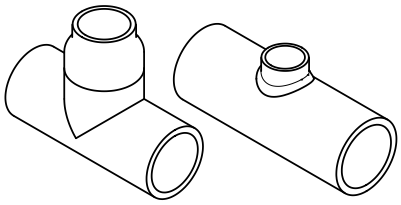
[1)] *mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R*

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

RED.-T-PIECE, BUTT WELDING

Systems: aquatherm green pipe
Standard: DIN 16962, DIN EN ISO 15874
Branch: butt welding

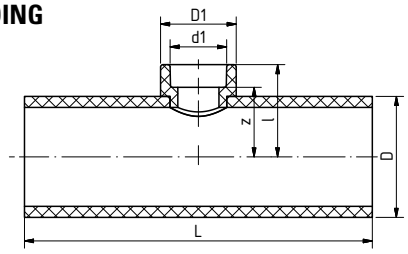


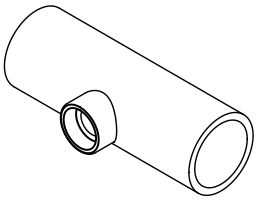


SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	z [mm]	Weight [kg]	System	Pipe with reducer	Pipe with weld-in saddle	PU	Box unit	Price € pc
						branch: butt welding						
7.4	**13618**	**200**	**160**	500,0	300,0	10,891	•	•		1		
	13634	**250**	**160**	750,0	375,0	28,000	•	•		1	4	
	13640	**250**	**200**	750,0	375,0	27,000	•	•		1	4	
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	4	
	13641	**250**	**200**	750,0	375,0	18,500	•	•		1	4	
	13653	**315**	**160**	920,0	237,5	24,850	•		•	1	1	
	13655	**315**	**200**	920,0	460,0	29,400	•	•		1		
	13657	**315**	**250**	920,0	460,0	30,500	•	•		1	4	
	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	**400**	**160**	1000,0	354,0	44,111	•		•	1		
	13680	**400**	**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
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: socket welding
Form: pipes with weld-in saddle

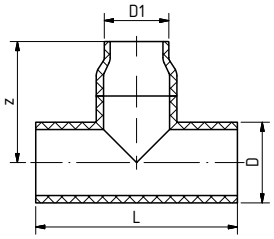


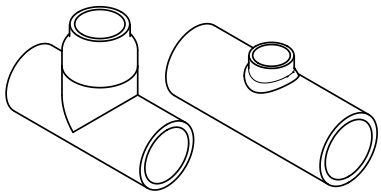


SDR	Art. no.	D [mm]	d1 [mm]	D1 [mm]	L [mm]	l [mm]	z [mm]	Weight [kg]	System	PU	Box unit	Price € pc
						branch: socket welding						
	2013609	**200**	**75**	100,0	500,0	142,0	112,0	5,460	•	1		
	2013611	**200**	**90**	120,0	500,0	145,0	112,0	5,580	•	1		
	2013613	**200**	**110**	147,0	500,0	149,0	112,0	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		
11	**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-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: butt welding

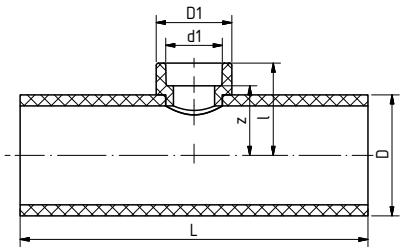


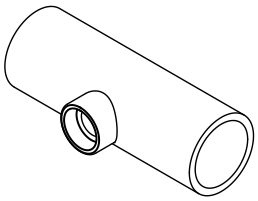


SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	z [mm]	Weight [kg]	System	Pipe with reducer	Pipe with weld-in saddle	PU	Box unit	Price € pc
						branch: butt welding						
	2013619	**200**	**160**	500,0	300,0	7,650	•	•		1		
	2013635	**250**	**160**	750,0	375,0	19,030	•	•		1		
	2013641	**250**	**200**	750,0	375,0	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		
11	**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
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: socket welding
Form: pipes with weld-in saddle



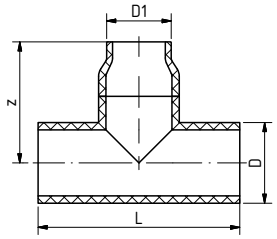


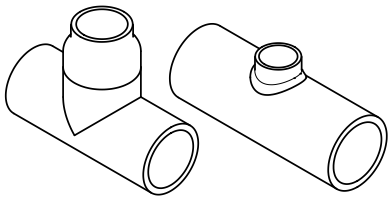
SDR	Art. no.	D [mm]	d1 [mm]	D1 [mm]	L [mm]	l [mm]	z [mm]	Weight [kg]	System	pipe segments	injection molded*	PU	Box unit	Price € pc
							branch: socket welding							
	2513600	**160**	**75**	100,0	460,0	122,0	92,0	2,227	•	•		1		
	2513602	**160**	**90**	120,0	460,0	125,0	92,0	2,364	•	•		1		
	2513606	**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		
17.6	**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
Standard: DIN 16962, DIN EN ISO 15874
Colour: blue/green
Branch: butt welding

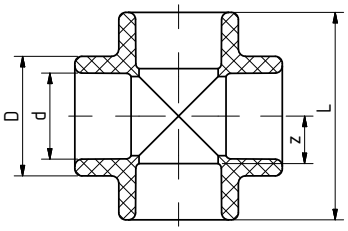


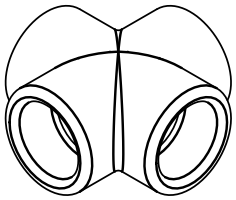


SDR	Art. no.	D [mm]	D1 [mm]	L [mm]	z [mm]	Weight [kg]	System	Pipe with reducer	Pipe with weld-in saddle	PU	Box unit	Price € pc
						butt welding						
	2513618	**200**	**160**	500,0	300,0	5,000	•	•		1		
	2513634	**250**	**160**	750,0	375,0	11,600	•	•		1		
	2513640	**250**	**200**	750,0	375,0	11,500	•	•		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

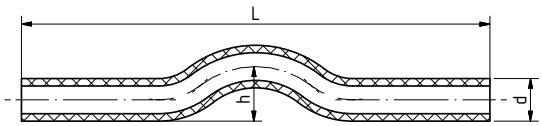


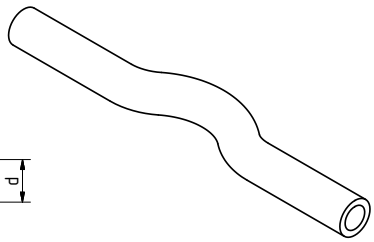


SDR	Art. no.	Dimension d [mm]	D [mm]	L [mm]	z [mm]	Weight [kg]	System		PU	Box unit	Price € pc
					socket welding						
6 7.4 9 11	**13708**	**20**	29,5	51,5	11,3	0,025	•	•	10	500	
	13710	**25**	34,0	59,0	13,5	0,035	•	•	10	500	
	13712	**32**	43,0	70,0	17,0	0,062	•	•	5	250	
	13714	**40**	52,0	83,0	21,0	0,099	•	•	5	150	

CROSS OVER FITTING

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

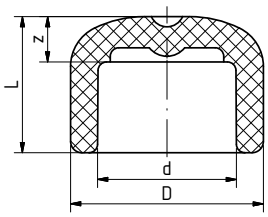


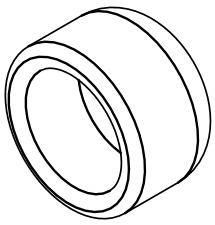


SDR	Art. no.	Dimension d [mm]	h [mm]	L [mm]	Weight [kg]	System		PU	Box unit	Price € pc
				socket welding						
6 7.4 9 11	**16106**	**16**	25,0	352,0	0,038	•		10	600	
	16108	**20**	32,0	352,0	0,060	•	•	10	400	
	16110	**25**	37,5	352,0	0,091	•	•	10	250	
	16112	**32**	48,0	352,0	0,154	•	•	5	120	

END CAP

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

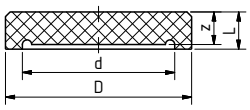


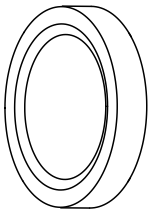


SDR	Art. no.	Dimension d [mm]	D [mm]	z [mm]	L [mm]	Weight [kg]	System		PU	Box unit	Price € pc
					socket welding						
6 7.4 9 11	**14106**	**16**	26,0	13,5	26,5	0,008	•		10	2000	
	14108	**20**	29,5	9,5	24,0	0,009	•	•	10	2000	
	14110	**25**	34,0	8,0	24,0	0,011	•	•	10	1500	
	14112	**32**	43,0	11,0	29,0	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	30	

END CAP BUTT-WELDING

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



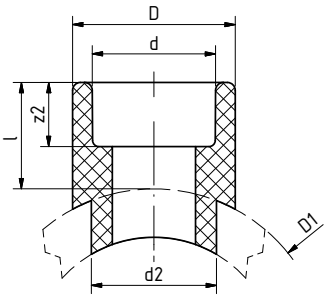


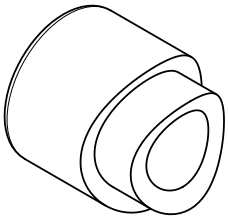
SDR	Art. no.	Dimension D [mm]	L [mm]	z [mm]	d [mm]	Weight [kg]	System		PU	Box unit	Price € pc
	14130	**160**	70,0	21,9	116,2	0,876	•		1	30	
7.4	**14134**	**200**	80,0	27,4	145,2	1,398	•		1	24	
	14138	**250**	90,0	34,2	181,6	2,530	•		1	10	
	314130	**160**	70,0	17,9	124,2	0,847	•		1		
	314134	**200**	80,0	22,4	155,2	1,373	•		1		
9	**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		
	14131	**160**	70,0	14,6	130,8	0,759	•	•	1	30	
	14135	**200**	80,0	18,2	163,6	1,070	•	•	1	24	
	14139	**250**	90,0	22,7	204,6	1,989	•	•	1	10	
11	**14143**	**315**	70,0	52,5	257,8	4,200	•	•	1	5	
	14145	**355**	80,0	67,5	290,6	6,410	•	•	1	2	
	14147	**400**	70,0	60,0	327,4	7,190	•	•	1		
	14149	**450**	80,0	70,0	368,2	10,500	•	•	1		
	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		
17.6	**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



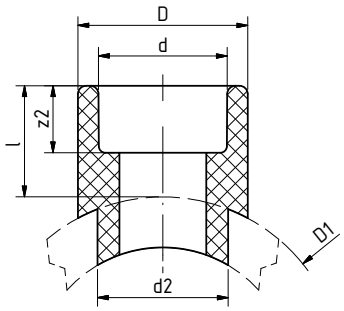


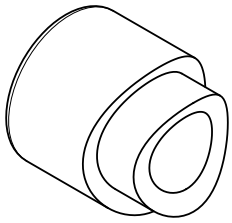
SDR	Art. no.	D1 [mm]	d [mm]	d2 [mm]	l [mm]	z2 [mm]	D [mm]	Weight [kg]	System		PU	Box unit	Price € pc
						socket welding							
	15156*	**40**	**20**	**25**	27,0	14,5	29,5	0,016	•	•	5	1000	
	15158*	**40**	**25**	**25**	28,5	16,0	34,0	0,017	•	•	5	1000	
	15160	**50**	**20**	**25**	27,5	14,5	29,5	0,018	•	•	5	1000	
	15162	**50**	**25**	**25**	28,5	16,0	34,0	0,019	•	•	5	1000	
	15164	**63**	**20**	**25**	27,5	14,5	29,5	0,017	•	•	5	1000	
	15166	**63**	**25**	**25**	28,5	16,0	34,0	0,019	•	•	5	750	
	15168	**63**	**32**	**32**	30,0	18,0	43,0	0,028	•	•	5	750	
	15170	**75**	**20**	**25**	27,5	14,5	29,5	0,018	•	•	5	1000	
	15172	**75**	**25**	**25**	28,5	16,0	34,0	0,019	•	•	5	750	
	15174	**75**	**32**	**32**	30,0	18,0	43,0	0,028	•	•	5	750	
	15175	**75**	**40**	**40**	34,0	20,5	52,0	0,049	•	•	5	400	
	15176	**90**	**20**	**25**	27,5	14,5	29,5	0,018	•	•	5	1000	
	15178	**90**	**25**	**25**	28,5	16,0	34,0	0,019	•	•	5	1000	
	15180	**90**	**32**	**32**	30,0	18,0	43,0	0,029	•	•	5	700	
	15181	**90**	**40**	**40**	34,0	20,5	52,0	0,048	•	•	5	400	
	15182	**110**	**20**	**25**	27,5	14,5	29,5	0,019	•	•	5	1000	
	15184	**110**	**25**	**25**	28,5	16,0	34,0	0,020	•	•	5	1000	
	15186	**110**	**32**	**32**	30,0	18,0	43,0	0,030	•	•	5	750	
	15188	**110**	**40**	**40**	34,0	20,5	52,0	0,050	•	•	5	400	
	15189	**110**	**50**	**50**	34,0	23,5	68,0	0,091	•	•	5	200	
	15190	**125**	**20**	**25**	27,5	14,5	29,5	0,019	•	•	5	1000	
	15192	**125**	**25**	**25**	28,5	16,0	34,0	0,020	•	•	5	1000	
	15194	**125**	**32**	**32**	30,0	18,0	43,0	0,029	•	•	5	650	
	15196	**125**	**40**	**40**	34,0	20,5	52,0	0,050	•	•	5	400	
6 7.4	**15197**	**125**	**50**	**50**	34,0	23,5	68,0	0,090	•	•	5	200	
9	**15198**	**125**	**63**	**63**	38,0	27,5	84,0	0,149	•	•	5	125	
11	**15206**	**160**	**20**	**25**	27,5	14,5	29,5	0,021	•	•	5	700	
17.6	**15208**	**160**	**25**	**25**	28,5	16,0	34,0	0,023	•	•	5	700	
	15210	**160**	**32**	**32**	30,0	18,0	43,0	0,034	•	•	5	500	
	15212	**160**	**40**	**40**	34,0	20,5	52,0	0,054	•	•	5	300	
	15214	**160**	**50**	**50**	34,0	23,5	68,0	0,094	•	•	5	200	
	15216	**160**	**63**	**63**	38,0	27,5	84,0	0,157	•	•	5	120	
	15218	**160**	**75**	**75**	42,0	30,0	100,0	0,238	•	•	5	80	
	15220	**160**	**90**	**90**	45,0	33,0	120,0	0,360	•	•	5	40	
	15228	**200-250**	**20**	**25**	27,5	14,5	29,5	0,020	•	•	5	100	
	15229	**200-250**	**25**	**25**	28,5	16,0	34,0	0,021	•	•	5	100	
	15230	**200-250**	**32**	**32**	30,0	18,0	43,0	0,031	•	•	5	50	
	15231	**200**	**40**	**40**	34,0	20,5	52,0	0,049	•	•	5	200	
	15232	**200**	**50**	**50**	34,0	23,5	68,0	0,087	•	•	5	200	
	15233	**200**	**63**	**63**	37,5	27,5	84,0	0,146	•	•	5	120	
	15234	**200**	**75**	**75**	42,0	30,0	100,0	0,225	•	•	5	100	
	15235	**200**	**90**	**90**	45,0	33,0	120,0	0,356	•	•	5	5	
	15236	**200**	**110**	**110**	49,0	37,0	147,0	0,638	•	•	5	2	
	15237	**200**	**125**	**125**	55,0	40,0	167,0	0,862	•	•	5	20	
	15251	**250**	**40**	**40**	34,0	20,5	52,0	0,053	•	•	5	150	
	15252	**250**	**50**	**50**	34,0	23,5	68,0	0,090	•	•	5	100	
	15253	**250**	**63**	**63**	37,5	27,5	84,0	0,152	•	•	5	140	
	15254	**250**	**75**	**75**	42,0	30,0	100,0	0,222	•	•	5	5	
	15255	**250**	**90**	**90**	45,0	33,0	120,0	0,348	•	•	5	5	
	15256	**250**	**110**	**110**	49,0	37,0	147,0	0,602	•	•	5	20	
	15257	**250**	**125**	**125**	55,0	40,0	167,0	0,820	•	•	5	20	

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





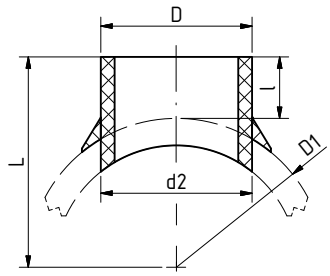
SDR	Art. no.	D1 [mm]	d [mm]	d2 [mm]	l [mm]	z2 [mm]	D [mm]	Weight [kg]	System		PU	Box unit	Price € pc
						socket welding							
	15260	**315-355**	**63**	**63**	37,5	27,5	84,0	0,153	•	•	1	120	
	15261	**315-355**	**75**	**75**	42,0	30,0	100,0	0,230	•	•	1	100	
	15262	**315**	**90**	**90**	45,0	33,0	120,0	0,363	•	•	1	60	
	15263	**315**	**110**	**110**	49,0	37,0	147,0	0,592	•	•	1	30	
	15264	**315**	**125**	**125**	55,0	40,0	167,0	0,830	•	•	1	20	
	15268	**355**	**90**	**90**	45,0	33,0	120,0	0,355	•	•	1	50	
	15269	**355**	**110**	**110**	49,0	37,0	147,0	0,586	•	•	1	30	
	15270	**355**	**125**	**125**	55,0	40,0	167,0	0,813	•	•	1		
6	**15275**	**400-500**	**75**	**75**	42,0	30,0	100,0	0,216	•	•	1		
7.4	**15277**	**400-450**	**110**	**110**	49,0	37,0	147,0	0,535	•	•	1		
9	**15278**	**400**	**125**	**125**	55,0	40,0	167,0	0,693	•	•	1		
11	**15288**	**400-500**	**90**	**90**	45,0	33,0	120,0	0,330	•	•	1		
17.6	**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		

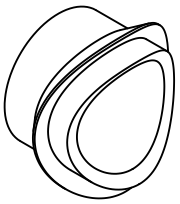
With weld-on surface and additional weld-in socket for the fusion with the inner pipe wall.
The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 98 onwards.

WELD-IN SADDLE BUTT WELDING

for pressureless installation

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R & PP-RP
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
						butt welding						
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	16	
	15271	**355**	**160**	**160**	80,0	257,5	0,867	•	•	1	18	

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 98 onwards.

WELD-IN SADDLE WITH FEMALE THREAD

for pressureless installation

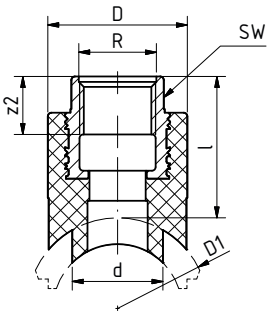
Systems: aquatherm green pipe, aquatherm blue pipe

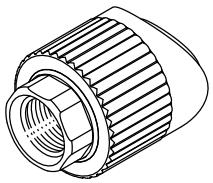
Material: fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874
fusiolen® PP-R, 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
						socket welding								
	28214*	**40**	**25**	39,0	16,0	38,5	1/2“	24	0,088	•	•	5	300	
	28216	**50**	**25**	39,0	16,0	38,5	1/2“	24	0,090	•	•	5	300	
	28218	**63**	**25**	39,0	16,0	38,5	1/2“	24	0,089	•	•	5	300	
	28220	**75**	**25**	39,0	16,0	38,5	1/2“	24	0,083	•	•	5	300	
	28222	**90**	**25**	39,0	16,0	38,5	1/2“	24	0,090	•	•	5	300	
	28224	**110**	**25**	39,0	16,0	38,5	1/2“	24	0,089	•	•	5	300	
	28226	**125**	**25**	39,0	16,0	38,0	1/2“	24	0,092	•	•	5	250	
	28230	**160**	**25**	39,0	16,0	38,5	1/2“	24	0,092	•	•	5	250	
	28232	**200-250**	**25**	39,0	16,0	38,5	1/2“	24	0,092	•	•	5	50	
	28234	**40**	**25**	39,0	21,0	43,5	3/4“	31	0,107	•	•	5	300	
6	**28236**	**50**	**25**	39,0	21,0	43,5	3/4“	31	0,110	•	•	5	300	
7.4	**28238**	**63**	**25**	39,0	21,0	43,5	3/4“	31	0,109	•	•	5	300	
9	**28240**	**75**	**25**	39,0	21,0	43,5	3/4“	31	0,109	•	•	5	300	
11	**28242**	**90**	**25**	39,0	21,0	43,5	3/4“	31	0,110	•	•	5	300	
17.6	**28244**	**110**	**25**	39,0	21,0	43,5	3/4“	31	0,110	•	•	5	300	
	28246	**125**	**25**	39,0	21,0	43,5	3/4“	31	0,112	•	•	5	300	
	28250	**160**	**25**	39,0	21,0	43,5	3/4“	31	0,112	•	•	5	250	
	28254	**200-250**	**25**	39,0	21,0	43,5	3/4“	31	0,112	•	•	5	250	
	28260	**75**	**32**	43,0	22,0	60,0	1“	39	0,223	•	•	5	125	
	28262	**90**	**32**	43,0	22,0	60,0	1“	39	0,223	•	•	5	125	
	28264	**110**	**32**	43,0	22,0	60,0	1“	39	0,223	•	•	5	125	
	28266	**125**	**32**	43,0	22,0	60,0	1“	39	0,224	•	•	5	125	
	28270	**160**	**32**	43,0	22,0	60,0	1“	39	0,226	•	•	5	125	
	28274	**200-250**	**32**	43,0	22,0	60,0	1“	39	0,244	•	•	5	25	

WELD-IN SADDLE WITH FEMALE THREAD

for pressureless installation

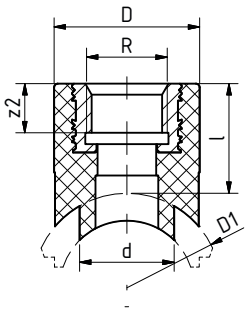
Systems: aquatherm green pipe, aquatherm blue pipe

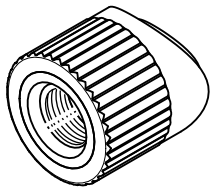
Material: fusiolen® PP-R

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
						socket welding							
	928214*	**40**	**25**	39,0	16,0	38,5	1/2“	0,062	•	•	5	300	
	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	300	
	928220	**75**	**25**	39,0	16,0	38,5	1/2“	0,064	•	•	5	300	
	928222	**90**	**25**	39,0	16,0	38,5	1/2“	0,064	•	•	5	300	
	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	250	
6	**928230**	**160**	**25**	39,0	16,0	38,5	1/2“	0,066	•	•	5	250	
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	300	
11	**928236**	**50**	**25**	39,0	21,0	43,5	3/4“	0,074	•	•	5	300	
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	300	
	928242	**90**	**25**	39,0	21,0	43,5	3/4“	0,074	•	•	5	300	
	928244	**110**	**25**	39,0	21,0	43,5	3/4“	0,083	•	•	5	300	
	928246	**125**	**25**	39,0	21,0	43,5	3/4“	0,074	•	•	5	300	
	928250	**160**	**25**	39,0	21,0	43,5	3/4“	0,076	•	•	5	250	
	928254	**200-250**	**25**	39,0	21,0	43,5	3/4“	0,084	•	•	5	250	

WELD-IN SADDLE WITH FEMALE THREAD

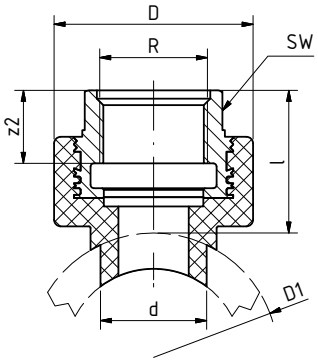
for pressureless installation

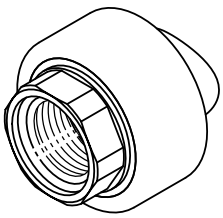
Systems: aquatherm green pipe, aquatherm blue pipe

Material: fusiolen® PP-R

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

Colour: green



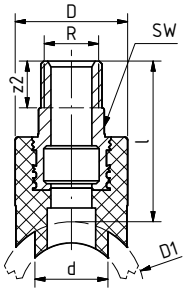


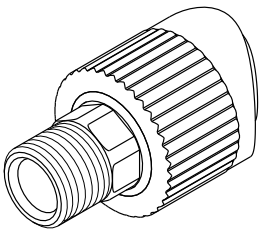
SDR	Art. no.	D1 [mm]	d [mm]	l [mm]	z2 [mm]	D [mm]	R	SW [mm]	Weight [kg]	System		PU	Box unit	Price € pc
							socket welding							
	928260	**75**	**32**	43,0	22,0	60,0	1“	39	0,234	•	•	5		
6	**928262**	**90**	**32**	43,0	22,0	60,0	1“	39	0,235	•	•	5		
7.4	**928264**	**110**	**32**	43,0	22,0	60,0	1“	39	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

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





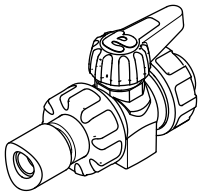
SDR	Art. no.	D1 [mm]	d [mm]	l [mm]	z2 [mm]	D [mm]	R	SW [mm]	Weight [kg]	System		PU	Box unit	Price € pc
							socket welding							
6 7.4 9 11 17.6	**28314***	**40**	**25**	55,0	16,0	38,5	1/2“	21	0,088	•	•	5	300	
	28316	**50**	**25**	55,0	16,0	38,5	1/2“	21	0,090	•	•	5	300	
	28318	**63**	**25**	55,0	16,0	38,5	1/2“	21	0,089	•	•	5	300	
	28320	**75**	**25**	55,0	16,0	38,5	1/2“	21	0,097	•	•	5	300	
	28322	**90**	**25**	55,0	16,0	38,5	1/2“	21	0,090	•	•	5	300	
	28324	**110**	**25**	55,0	16,0	38,5	1/2“	21	0,089	•	•	5	300	
	28326	**125**	**25**	55,0	16,0	38,5	1/2“	21	0,092	•	•	5	300	
	28330	**160**	**25**	55,0	16,0	38,5	1/2“	21	0,092	•	•	5	250	
	28334*	**40**	**25**	56,0	17,0	43,5	3/4“	24	0,107	•	•	5	250	
	28336	**50**	**25**	56,0	17,0	43,5	3/4“	24	0,110	•	•	5	250	
	28338	**63**	**25**	56,0	17,0	43,5	3/4“	24	0,109	•	•	5	250	
	28340	**75**	**25**	56,0	17,0	43,5	3/4“	24	0,109	•	•	5	250	
	28342	**90**	**25**	56,0	17,0	43,5	3/4“	24	0,110	•	•	5	250	
	28344	**110**	**25**	56,0	17,0	43,5	3/4“	24	0,110	•	•	5	250	
	28346	**125**	**25**	56,0	17,0	43,5	3/4“	24	0,112	•	•	5	250	
	28350	**160**	**25**	56,0	17,0	43,5	3/4“	24	0,112	•	•	5	250	

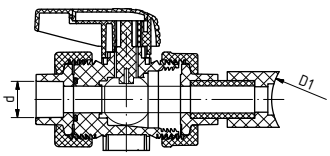
With hex shaped male thread, weld-in surface and weld-in socket for fusion with the inner wall of the pipe. The necessary tools for the fusion of aquatherm green pipe weld-in saddles are listed from page 98 onwards.

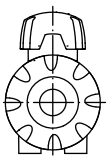
aquatherm WELD-ON SADDLE SET WITH BALL VALVE ✦

for installation under pressure
in use with tapping tool page 102

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







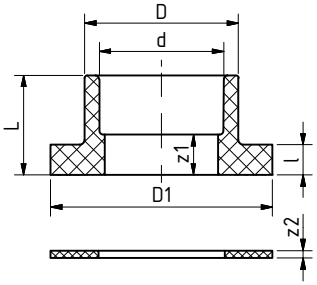
SDR	Art. no.	d [mm]	D1 [mm]	System		PU	Box unit	Price € pc
6 7.4 9 11 17.6	**16175**	**40**	**75**	•	•	1		
	16181	**40**	**90**	•	•	1		
	16188	**40**	**110**	•	•	1		
	16196	**40**	**125**	•	•	1		
	16198	**63**	**125**	•	•	1		
	16212	**40**	**160**	•	•	1		
	16216	**63**	**160**	•	•	1		
	16231	**40**	**200**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

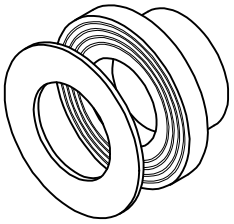
The required tools for the fusion of aquatherm green pipe weld-on saddles are listed from page 103 onwards.

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



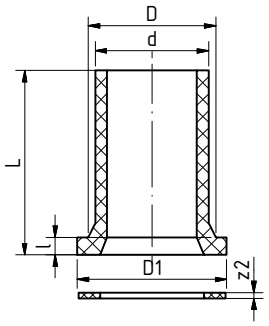


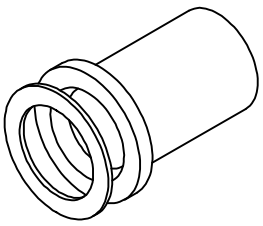
SDR	Art. no.	Dimension d [mm]	L [mm]	l [mm]	D [mm]	D1 [mm]	z1 [mm]	z2 [mm]	Weight [kg]	System		PU	Box unit	Price € pc
						socket welding								
6 7.4 9 11	**15512**	**32**	34,0	10,0	41,0	68,0	16,0	3	0,053	•	•	1	500	
	15514	**40**	35,5	11,0	50,0	78,0	15,0	3	0,071	•	•	1	250	
	15516	**50**	39,5	12,0	61,0	88,0	16,0	3	0,071	•	•	1	200	
	15518	**63**	43,5	14,0	76,0	102,0	16,0	3	0,112	•	•	1	100	
	15520	**75**	46,0	16,0	90,0	122,0	16,0	3	0,169	•	•	1	80	
	15522	**90**	50,0	17,0	108,0	138,0	17,0	3	0,261	•	•	1	50	
	15524	**110**	55,5	18,5	131,0	158,0	18,5	3	0,329	•	•	1	40	
	15527	**125**	63,0	20,0	165,0	188,0	23,0	3	0,724	•	•	1	25	

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	16	

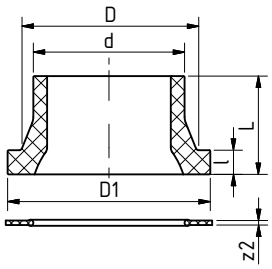
*Only use with fitting 125 mm; with 110 mm flange adapter suitable for Art. no. 15724

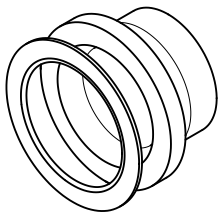
Suitable flange adapter for shut-off valves are available on request.

FLANGE ADAPTER BUTT WELDING

with gasket

Systems: aquatherm green pipe, aquatherm blue pipe
Material: fusiolen® PP-R & PP-RP
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
						butt welding							
	15530	**160**	93,0	25,0	175,0	212,0	3,00	1,163	•		1	16	
	15534	**200**	130,0	32,0	232,0	268,0	6,00	2,292	•		1	6	
	15538	**250**	130,0	35,0	285,0	320,0	6,00	3,298	•		1	5	
	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		
9	**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		
	15531	**160**	93,0	25,0	175,0	212,0	3	0,955	•	•	1	16	
	15535	**200**	130,0	32,0	232,0	268,0	6	1,957	•	•	1	6	
	15539	**250**	130,0	35,0	285,0	320,0	6	2,717	•	•	1	5	
11	**15543**	**315**	168,0	35,0	335,0	370,0	6	6,000	•	•	1	3	
	15545	**355**	180,0	40,0	373,0	430,0	6	7,930	•	•	1	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		
	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		
17.6	**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		

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

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

FLANGE ADAPTER INCL. FLANGE PN6

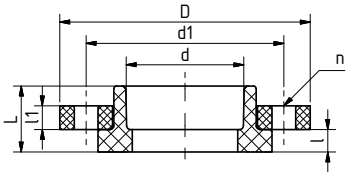
without gasket

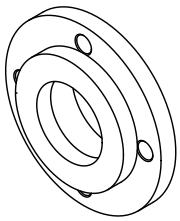
Systems: aquatherm green pipe, aquatherm blue pipe

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
						socket welding							
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

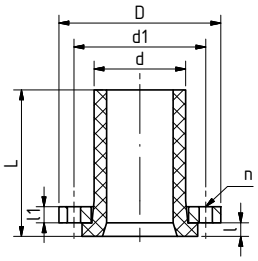
without gasket

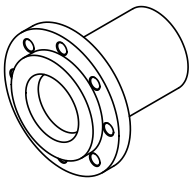
Systems: aquatherm green pipe, aquatherm blue pipe

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

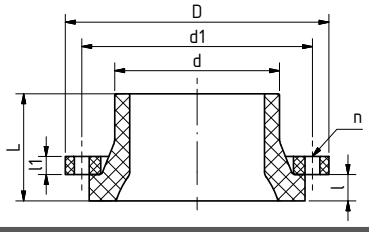
without gasket

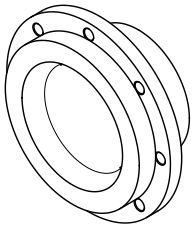
Systems: aquatherm green pipe, aquatherm blue pipe

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

Colour: Flange: black
Flange adapter: green

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



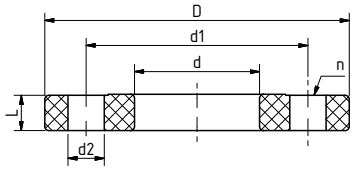


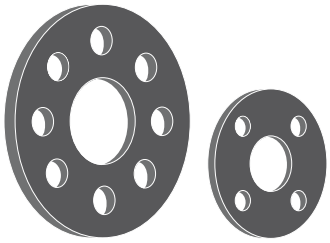
SDR	Art. no.	Diameter d [mm]	D [mm]	d1 [mm]	L [mm]	l1 [mm]	l [mm]	n	Weight [kg]	System	PU	Box unit	Price € pc
						Butt welding							
	15031	160	265,0	225,0	93,0	12,0	25,0	8	4,136	• •	1		
11	**15035**	200	320,0	280,0	130,0	12,0	32,0	8	6,694	• •	1		
	15039	250	375,0	335,0	130,0	12,0	35,0	8	9,500	• •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

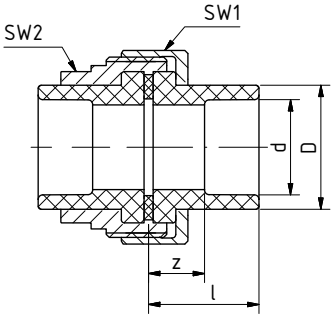
SDR	Art. no.	fits to Art. no.	Dimension flange adapter [mm]	DN	d [mm]	d1 [mm]	D [mm]	d2 [mm]	L [mm]	n	Weight [kg]	System	PU	Box unit	Price € pc
							socket welding								
	15712	15512	**32**	25	42,0	85,0	116,0	14,0	15,5	4	0,469	• •	1	100	
	15714	15514	**40**	32	51,0	100,0	141,0	18,0	17,5	4	0,722	• •	1	80	
	15716	15516	**50**	40	62,0	110,0	151,0	18,0	17,5	4	0,770	• •	1	60	
	15718	15518	**63**	50	78,0	125,0	166,0	18,0	19,0	4	0,911	• •	1	40	
	15720	15520	**75**	65	92,0	145,0	186,0	18,0	19,0	4	1,132	• •	1	40	
	15722	15522	**90**	80	110,0	160,0	201,0	18,0	21,0	8	1,356	• •	1	30	
	15724	15524/26	**110**	100	133,0	180,0	221,0	18,0	22,0	8	1,475	• •	1	20	
	15726	15527	**125**	125	167,0	210,0	251,0	18,0	26,0	8	2,082	• •	1	15	
	15730	15531 315530 2515530	**160**	150	178,0	240,0	286,0	22,0	27,0	8	3,671	• •	1	16	
6 7.4 9	**15734***	15535 315534 2515534	**200**	200	235,0	295,0	341,0	22,0	28,0	8	4,709	• •	1	4	
11 17.6	**15738***	15539 315538 2515538	**250**	250	288,0	350,0	406,0	22,0	31,0	12	7,094	• •	1	4	
	15742*	15543 315542 2515542	**315**	300	340,0	400,0	460,0	22,0	33,5	12	9,500	• •	1	1	
	15744*	15545 315544 2515544	**355**	350	376,0	460,0	520,0	22,0	39,0	16	15,300	• •	1	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		

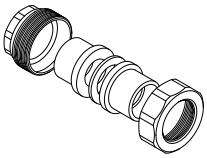
*Flange PN16 ø 200 – 630 mm (Art. no. 15934 – 15954) available on request.

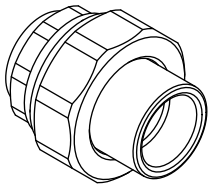
**Material: steel/epoxyd

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



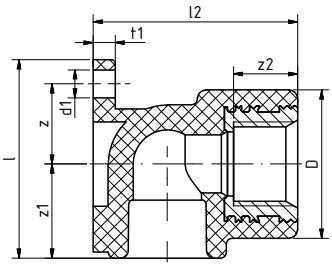


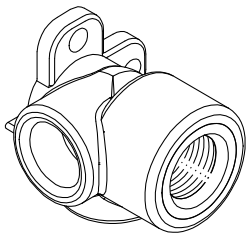


SDR	Art. no.	Dimension d [mm]	l [mm]	z [mm]	D [mm]	SW1 [mm]	SW2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
						socket welding						
	15812	**32**	36,5	18,5	41,0	64	50	0,479	• •	1	100	
6 7.4 9 11	**15814**	**40**	38,0	17,5	50,0	80	60	0,841	• •	1	50	
	15816	**50**	41,0	17,5	61,0	86	70	0,821	• •	1	50	
	15818	**63**	45,0	17,5	76,0	108	90	1,498	• •	1	25	
	15820	**75**	31,0	17,5	90,0	128	104	1,998	• •	1	15	

PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW

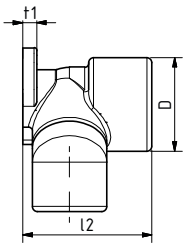


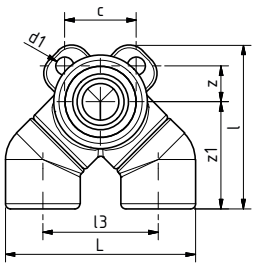


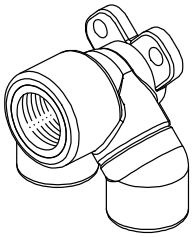


aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW 90°

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		





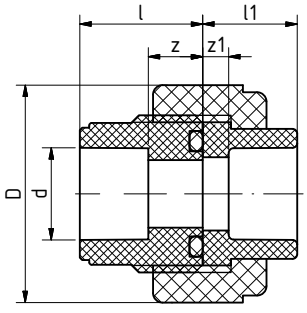


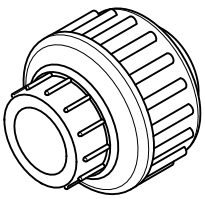
aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW, PARALLEL

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

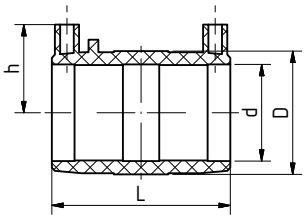


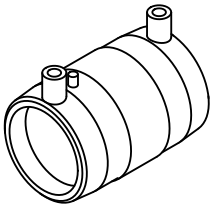


SDR	Art. no.	Dimension d [mm]	l [mm]	z [mm]	l1 [mm]	z1 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
socket welding												
6 7.4 9 11	**15838**	**20**	26,0	12,0	20,0	5,5	46,0	0,036	• •	10	400	
	15840	**25**	28,0	12,0	21,0	5,0	56,0	0,058	• •	10	300	
	15842	**32**	30,0	12,0	23,0	5,0	66,0	0,089	• •	5	200	
	15844	**40**	34,0	13,5	25,5	5,0	79,0	0,136	• •	5	150	
	15846	**50**	39,0	15,5	28,8	5,0	87,0	0,170	• •	5	100	
	15848	**63**	47,5	20,0	32,5	5,0	107,0	0,240	• •	1	60	
	15850	**75**	50,0	20,0	36,0	6,0	128,0	0,546	• •	1	40	

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

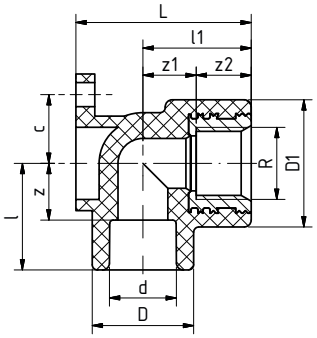


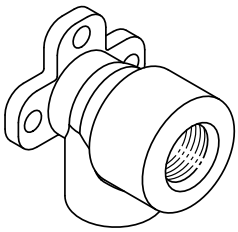


SDR	Art. no.	Dimension d [mm]	L [mm]	h [mm]	D [mm]	Weight [kg]	System		PU	Box unit	Price € pc
					Electro-socket welding						
6 7.4 9 11 17.6	**17208**	**20**	70,0	36,0	31,5	0,049	•	•	1	500	
	17210	**25**	78,0	38,5	36,5	0,057	•	•	1	350	
	17212	**32**	80,0	42,5	45,0	0,077	•	•	1	300	
	17214	**40**	92,0	47,0	54,0	0,103	•	•	1	200	
	17216	**50**	103,0	52,0	65,0	0,142	•	•	1	130	
	17218	**63**	118,0	58,0	81,5	0,239	•	•	1	75	
	17220	**75**	130,0	64,5	96,0	0,347	•	•	1	45	
	17222	**90**	145,0	72,0	113,5	0,501	•	•	1	30	
	17224	**110**	160,0	82,5	139,0	0,821	•	•	1	22	
	17226	**125**	172,0	90,0	156,0	1,097	•	•	1	16	
	17230*	**160**	186,0	109,5	197,0	1,754	•	•	1	10	
	17234*	**200**	210,0	134,0	243,0	3,625	•	•	1	2	
	17238*	**250**	250,0	170,0	315,0	7,142	•	•	1	2	

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

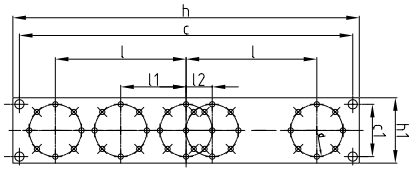


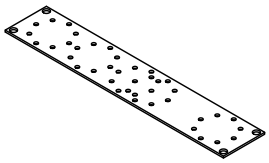


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	z2 [mm]	D1 [mm]	L [mm]	c [mm]	Weight [kg]	System		PU	Box unit	Price € pc
								socket welding										
								brass										
6 7.4 11	**20106**	**16**	**1/2"**	31,0	18,0	29,5	31,5	18,5	13,0	37,0	51,0	20,0	0,080	•			200	
	20108	**20**	**1/2"**	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	•	•		150	
	20112	**25**	**3/4"**	37,0	21,0	34,0	37,0	24,0	13,0	44,0	54,0	-	0,105	•	•		150	
	20113	**25**	**1/2"**	33,5	17,5	34,0	31,0	18,0	13,0	37,0	53,0	20,0	0,080	•	•		200	
								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	•			200	
	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	•	•		150	
	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





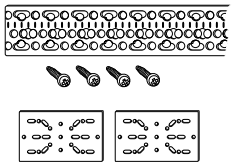
Systems: aquatherm green pipe, aquatherm blue pipe
Material: iron, galvanized
Colour: zinc

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	200	

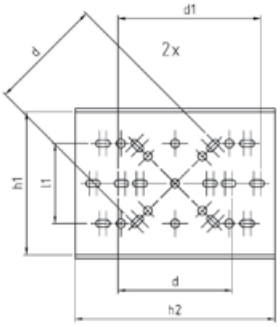
not suitable for connection with sound insulation plate (Art. no. 79080).
We recommend mounting rail Art. no. 79090.

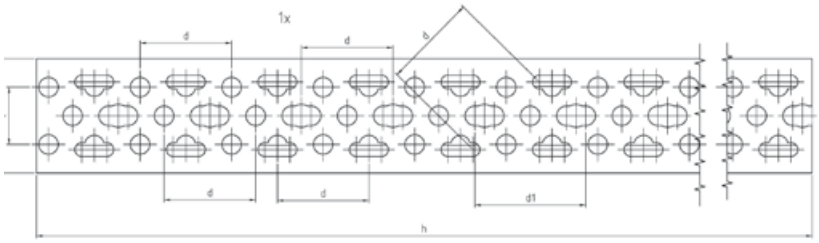
MOUNTING PLATE

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

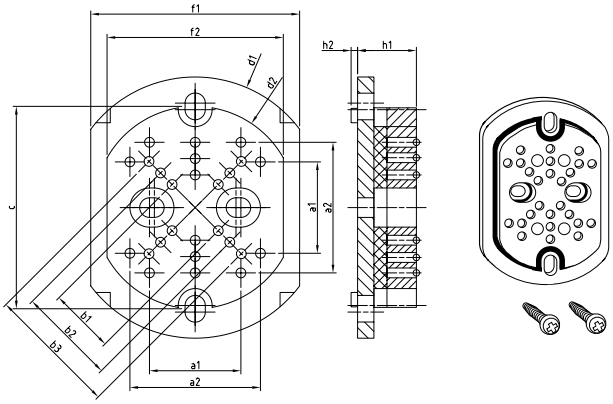




Art. no.	d [mm]	d1 [mm]	l [mm]	l1 [mm]	h [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
79090	**40**	50	25	28	560	70	70	0,546	• •	1	100	

SOUND INSULATION PLATE

for aquatherm green pipe and aquatherm grey pipe back plate elbow

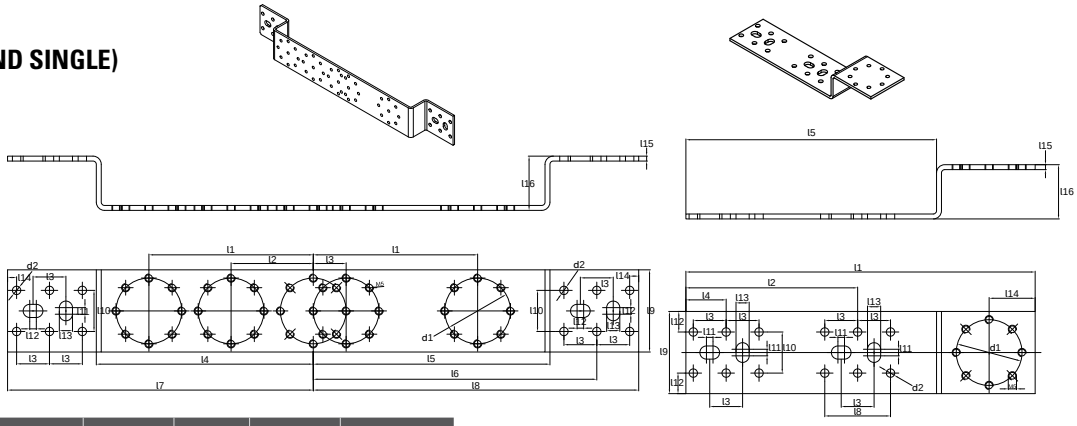


Systems: aquatherm green pipe, aquatherm grey pipe
Material: PP
Colour: white

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)

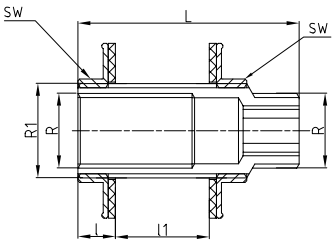
Systems: aquatherm green pipe, aquatherm blue pipe
Material: iron, galvanized
Colour: zinc

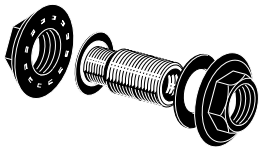


Art. no.	ø d1 [mm]	ø d2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
79095	40	5,1	0,412	• •	2	20	
79096	40	5,1	0,235	• •	2	20	

DRY CONSTRUCTION WALL FITTING

Systems: aquatherm green pipe, aquatherm blue pipe
Material: brass

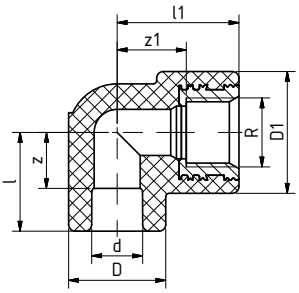


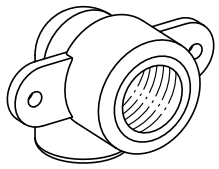


Art. no.	R	R1	l [mm]	l1 [mm]	L [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
20114	**1/2"**	3/4"	10,5	26,0	62,0	30	0,213	• •	10	300	

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



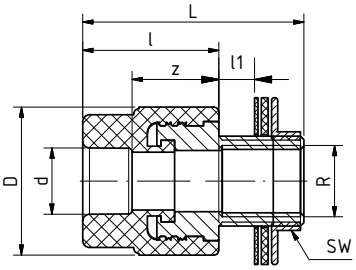


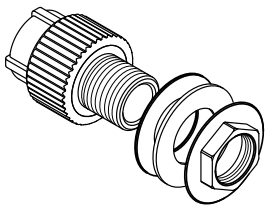
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
						socket welding								
						brass								
6	**20156**	**16**	**1/2"**	30,0	17,0	29,5	37,0	24,0	37,0	0,081	•	10	250	
7.4	**20158**	**20**	**1/2"**	30,0	15,5	29,5	37,0	24,0	37,0	0,079	• •	10	200	
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





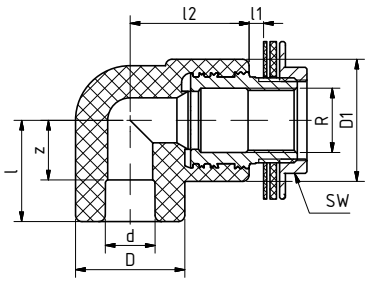
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	L [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
						socket welding								
6 7.4 11	**20204**	**20**	**1/2"**	40,0	25,5	43,5	13,5	65,0	29	0,204	• •	10	200	

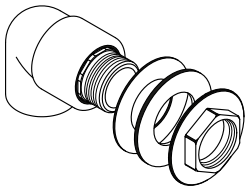
e.g. for connection of a cistern or application with mounting plate (Art. no. 60110 – 60115)

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





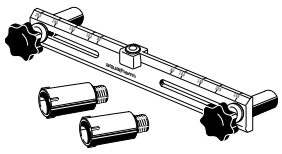
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	l2 [mm]	D1 [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
							socket welding								
6 7.4 11	**20206**	**16**	**1/2"**	37,0	24,0	29,5	3,5	35,0	44,0	29	0,201	•	10	200	
	20208	**20**	**1/2"**	37,0	22,5	29,5	3,5	35,0	44,0	29	0,154	• •	10	200	
	20209	**25**	**1/2"**	37,0	21,0	34,0	3,5	37,0	44,0	29	0,206	• •	10	150	

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

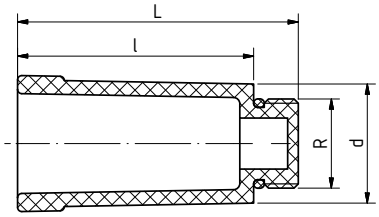


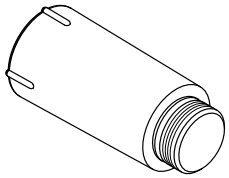
Art. no.	Weight [kg]	System	PU	Box unit	Price € pc
50700	0,252	• •	1		

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



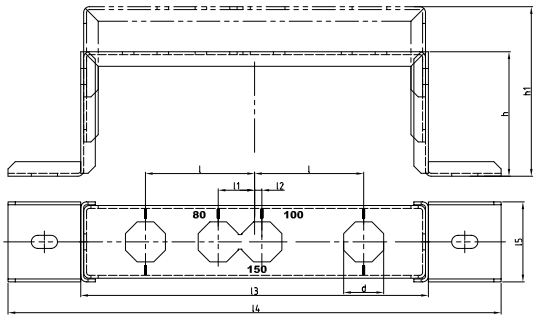


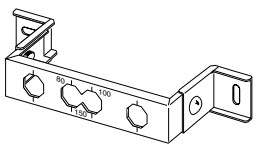
Art. no.	d [mm]	R	l [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
50708	**28**	**1/2"**	55,5	66,0	0,022	• •	10		
50710	**34**	**3/4"**	55,5	66,0	0,027	• •	10		

MOUNTING UNIT

double

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



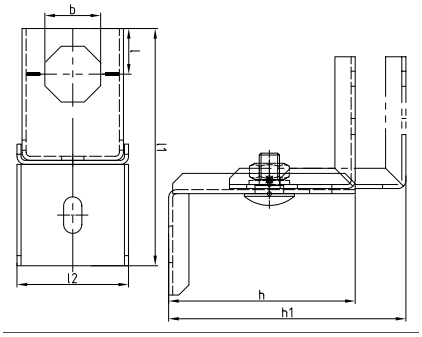


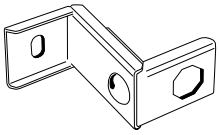
Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	l3 [mm]	l4 [mm]	l5 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
60110	27,5	75	25	5	92,5	122,5	239	339	55	0,630	• •	1	25	

MOUNTING UNIT

single

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



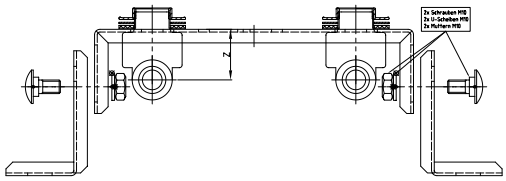


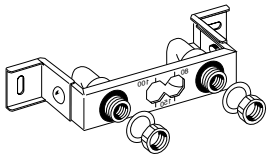
Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
60115	27,5	118	22,5	55	92,5	122,5	0,278	• •	1	100	

MOUNTING UNIT

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

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



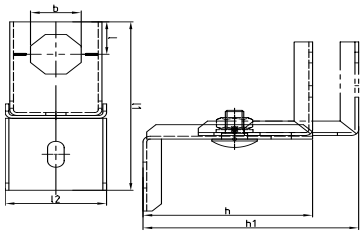


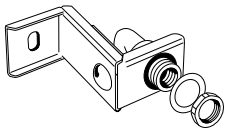
Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	l3 [mm]	l4 [mm]	l5 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
60150	27,5	75	25	5	92,5	122,5	239	339	55	0,942	• •	1	25	

MOUNTING UNIT

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

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



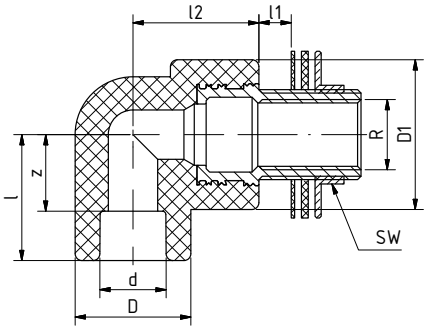


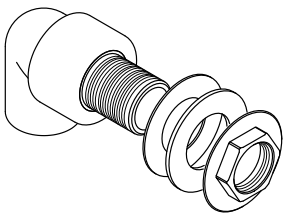
Art. no.	b [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
60155	27,5	22,5	118	55	92,5	122,5	0,434	• •	1	80	

TRANSITION ELBOW

for plasterboard

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]	L [mm]	l1 [mm]	D1 [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 11	**20210**	20	1/2“	37,0	22,5	29,5	18,5	35,0	44,0	29	0,223	• •	10	200	

with 30 mm thread, counternut, gasket and tension washer

TRANSITION PIECE WITH FEMALE THREAD

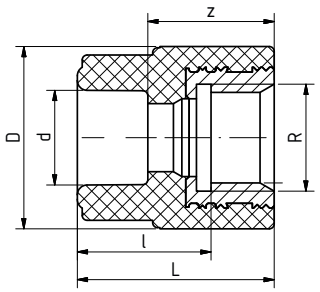
round

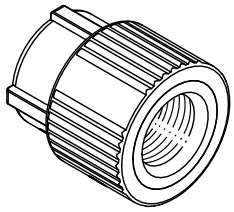
Systems: aquatherm green pipe, aquatherm blue pipe

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

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



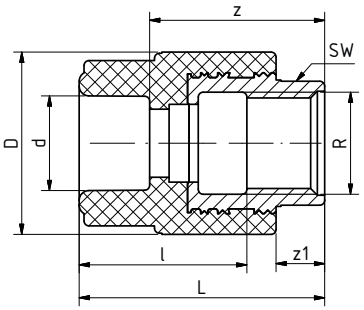


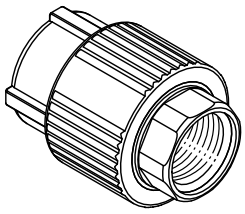
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	L [mm]	Weight [kg]	System		PU	Box unit	Price € pc
						brass							
	21006	**16**	**1/2“**	28,0	28,0	38,5	41,0	0,066	•		10		
	21008	**20**	**1/2“**	27,5	26,0	37,5	40,5	0,064	•	•	10	400	
	21010	**20**	**3/4“**	27,5	26,0	43,5	40,5	0,089	•	•	10	300	
	21011	**25**	**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	400	
11	**921010**	**20**	**3/4“**	27,5	26,0	43,5	40,5	0,090	•	•	10	300	
	921011	**25**	**1/2“**	29,5	26,5	38,5	42,5	0,069	•	•	10	400	
	921012	**25**	**3/4“**	27,5	24,5	43,5	40,5	0,086	•	•	10	300	
	921013	**32**	**3/4“**	30,5	25,5	43,5	43,5	0,092	•	•	5	200	
	921014	**32**	**1/2“**	28,0	23,0	37,0	41,0	0,078	•	•	5	200	

TRANSITION PIECE WITH FEMALE THREAD

hex shaped threaded transition

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



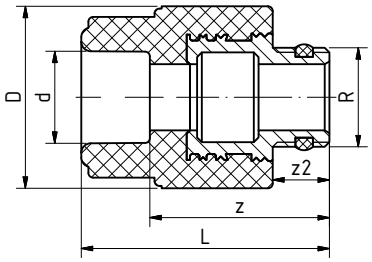


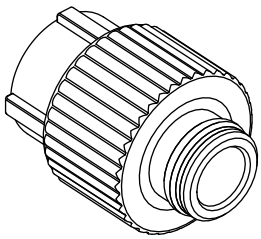
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	z1 [mm]	D [mm]	L [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
							brass							
	21106	**16**	**1/2"**	34,5	37,5	10,0	38,5	50,5	24	0,089	•	10	400	
	21108	**20**	**1/2"**	34,5	36,0	10,0	38,5	50,5	24	0,078	• •	10	400	
	21110	**20**	**3/4"**	29,0	35,5	10,0	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	125	
	21116	**40**	**1 1/4"**	40,0	42,5	15,0	74,0	63,0	50	0,385	• •	5	80	
	21117	**50**	**1 1/4"**	43,0	42,5	15,0	74,0	66,0	50	0,404	• •	5	75	
6	**21118**	**50**	**1 1/2"**	45,0	43,5	15,0	85,5	67,0	55	0,418	• •	5	60	
7.4	**21119**	**63**	**1 1/2"**	51,5	46,0	15,0	84,0	73,5	55	0,442	• •	1	50	
9	**21120**	**63**	**2"**	51,0	49,5	19,0	101,0	77,0	67	0,600	• •	1	35	
11	**21122**	**75**	**2"**	51,0	47,0	19,0	100,0	77,0	67	0,608	• •	1	25	
							stainless steel							
	921114	**32**	**1"**	37,5	41,5	14,0	60,0	59,5	39	0,232	• •	5	150	
	921115	**40**	**1"**	40,0	41,5	14,0	60,0	62,0	39	0,219	• •	5	125	
	921116	**40**	**1 1/4"**	40,0	42,5	15,0	74,0	63,0	50	0,331	• •	5	80	
	921117	**50**	**1 1/4"**	43,0	42,5	15,0	74,0	66,0	50	0,351	• •	5	75	
	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	50	
	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	25	

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



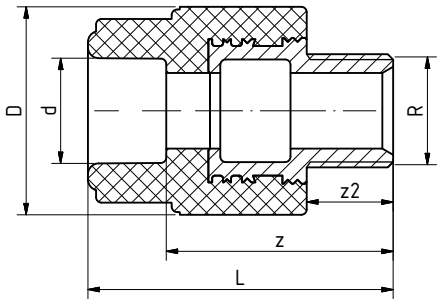


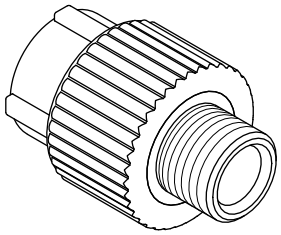
SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	**21258**	**20**	**1/2"**	52,5	38,0	12,0	38,5	0,090	• •	10	400	
7.4	**21261**	**25**	**1/2"**	54,0	38,0	12,0	38,5	0,078	• •	10	300	
11	**21262**	**25**	**3/4"**	53,5	37,5	13,0	38,5	0,085	• •	10	350	

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



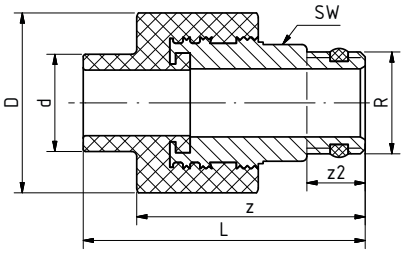


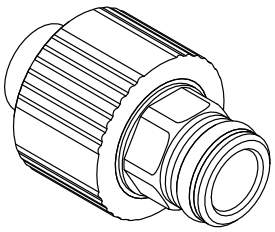
SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
						brass						
6 7.4 9 11	**21206**	**16**	**1/2"**	56,5	43,5	16,0	38,5	0,097	•	10	400	
	21208	**20**	**1/2"**	56,5	42,0	16,0	38,5	0,084	• •	10	300	
	21210	**20**	**3/4"**	57,5	43,0	17,0	38,5	0,109	• •	10	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	400	
	921210	**20**	**3/4"**	57,5	43,0	17,0	38,5	0,108	• •	10	300	
	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	350	
	921213	**32**	**3/4"**	59,5	41,5	17,0	38,5	0,115	• •	5	200	

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



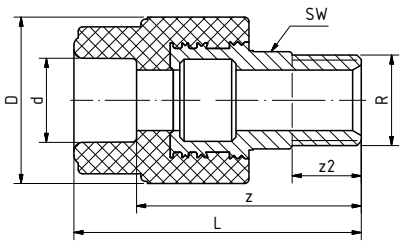


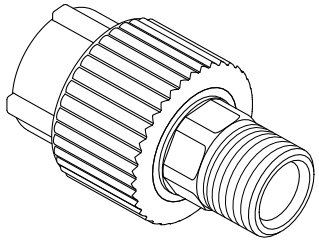
SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 11	**21355**	**20**	**1/2"**	59,0	48,0	13,0	38,5	22	0,107	• •	10	300	

TRANSITION PIECE WITH MALE THREAD

*with hexagon or *octagon*

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



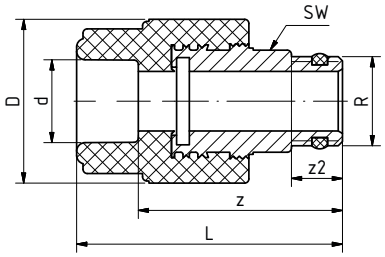


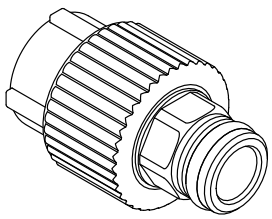
SDR	Art. no.	d [mm]	R	SW [mm]	L [mm]	z [mm]	z2 [mm]	D [mm]	Weight [kg]	System	PU	Box unit	Price € pc
						brass							
	21306	**16**	**1/2"**	22	66,5	53,5	16,0	38,5	0,119	•	10	300	
	21308	**20**	**1/2"**	22	66,5	52,0	16,0	38,5	0,104	• •	10	300	
	21310	**20**	**3/4"**	24	67,5	53,0	17,0	38,5	0,129	• •	10	300	
	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	75	
	21320	**50**	**1 1/2"**	46	88,5	65,0	22,0	74,0	0,425	• •	5	60	
	21321	**63**	**1 1/2"**	46	94,5	67,0	22,0	72,5	0,467	• •	1	40	
6	**21322**	**63**	**2"**	50	102,5	75,0	23,5	84,0	0,685	• •	1	35	
7.4	**21323**	**75**	**2"**	50	102,0	72,0	23,5	84,0	0,733	• •	1	25	
9	**21324**	**75**	**2 1/2"**	65	105,0	75,0	26,7	100,0	0,970	• •	1	25	
11	**21325***	**90**	**3"**	85	121,0	88,0	30,0	120,0	1,326	• •	1	20	
	21327*	**110**	**4"**	105	148,0	111,0	39,0	147,0	2,730	• •	1	8	
						stainless steel							
	921314	**32**	**1"**	32	78,5	60,5	20,0	53,0	0,204	• •	5	125	
	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	25	

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

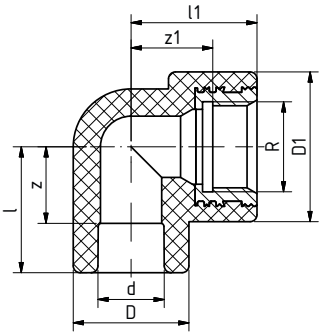


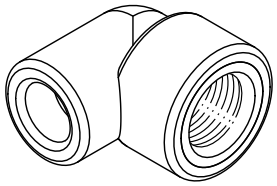


SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	**21356**	**16**	**1/2"**	63,5	50,5	13,0	38,5	22	0,112	•	10	300	
7.4													
11	**21358**	**20**	**1/2"**	63,5	49,0	13,0	38,5	22	0,111	• •	10	300	

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

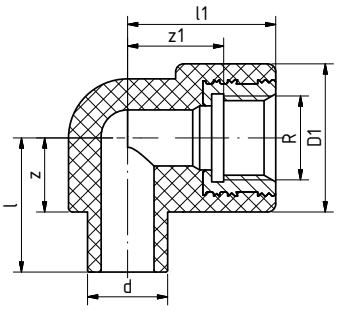


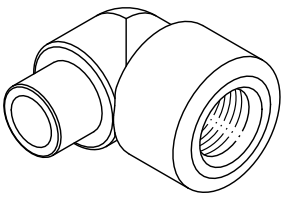


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
							brass							
	23006	**16**	**1/2"**	31,5	18,5	29,5	37,0	24,0	37,0	0,072	•	10	300	
	23008	**20**	**3/4"**	37,0	22,5	34,0	37,0	24,0	44,0	0,102	• •	10	250	
	23010	**20**	**1/2"**	31,0	16,5	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	150	
6	**23018**	**32**	**1"**	34,0	16,0	43,0	66,5	44,5	60,5	0,249	• •	5	100	
7.4							**stainless steel**							
9														
11	**923008**	**20**	**3/4"**	37,0	22,5	29,5	37,0	24,0	37,0	0,095	• •	10	300	
	923010	**20**	**1/2"**	31,0	16,5	29,5	31,5	18,5	37,0	0,081	• •	10	300	
	923012	**25**	**3/4"**	37,0	21,0	34,0	37,0	24,0	44,0	0,101	• •	10	200	
	923014	**25**	**1/2"**	33,5	17,5	34,0	31,5	18,5	37,0	0,082	• •	10	250	
	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	150	
	923018	**32**	**1"**	34,0	16,0	43,0	66,5	44,5	60,5	0,240	• •	5	100	

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

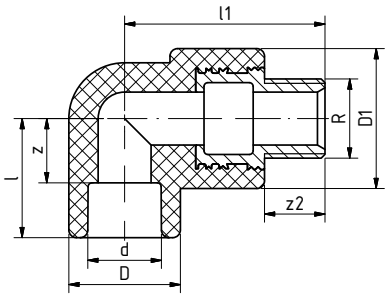


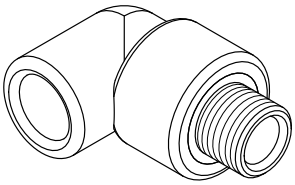


SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6													
7.4	**23208**	**20**	**1/2"**	33,5	18,5	37,0	24,0	37,0	0,076	• •	10	300	
11													

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

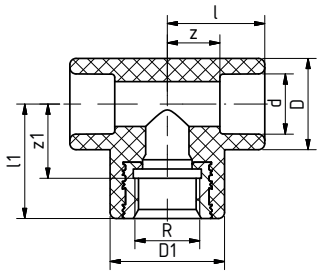


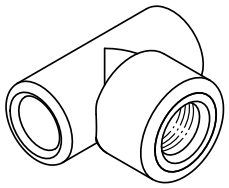


SDR	Art. no.	d [mm]	R	l [mm]	l1 [mm]	z [mm]	z2 [mm]	D [mm]	D1 [mm]	Weight [kg]	System		PU	Box unit	Price € pc
							brass								
	23504	**16**	**1/2"**	31,5	53,0	18,5	16,0	29,5	37,0	0,109	•		10	400	
	23506	**20**	**1/2"**	31,5	53,0	17,0	16,0	29,5	37,0	0,108	•	•	10	250	
	23508	**20**	**3/4"**	31,5	54,0	17,0	17,0	34,0	38,0	0,128	•	•	10	200	
	23510	**25**	**3/4"**	31,5	54,0	15,5	17,0	34,0	38,0	0,104	•	•	10	250	
6	**23512**	**32**	**3/4"**	27,5	68,0	9,5	17,0	43,0	38,0	0,112	•	•	5	150	
7.4	**23514**	**32**	**1"**	31,0	85,5	13,0	20,0	43,0	52,0	0,231	•	•	5	100	
9															
11							**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	200	
	923510	**25**	**3/4"**	31,5	54,0	15,5	17,0	34,0	38,0	0,121	•	•	10	250	
	923512	**32**	**3/4"**	27,5	68,0	9,5	17,0	43,0	38,0	0,128	•	•	5	150	

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



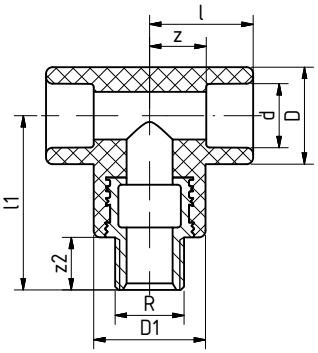


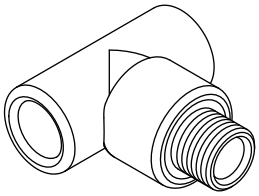
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	Weight [kg]	System		PU	Box unit	Price € pc
								brass							
	25004	**16**	**1/2"**	31,5	18,5	29,5	37,0	24,0	37,0	0,089	•		10	250	
	25006	**20**	**1/2"**	31,5	17,0	29,5	37,0	24,0	37,0	0,086	•	•	10	200	
	25008	**20**	**3/4"**	37,0	22,5	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	125	
	25014	**32**	**3/4"**	27,5	9,5	43,0	51,0	38,0	44,0	0,111	•	•	5	100	
	25016	**32**	**1"**	31,5	13,5	43,0	67,0	45,0	60,0	0,255	•	•	5	80	
	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		
6	**25020**	**40**	**1"**	41,5	21,0	52,0	56,0	34,0	60,0	0,276	•	•	5	80	
7.4	**25022**	**50**	**1"**	49,5	26,0	68,0	63,5	41,5	60,0	0,385	•	•	5	40	
9	**25030**	**50**	**1/2"**	49,5	26,0	68,0	44,5	31,5	43,0	0,237	•	•	5		
11	**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	250	
	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	200	
	925012	**25**	**3/4"**	37,0	21,0	34,0	37,0	24,0	44,0	0,111	•	•	10	150	
	925013	**32**	**1/2"**	35,0	17,0	43,0	37,0	24,0	37,0	0,113	•	•	5	125	
	925014	**32**	**3/4"**	27,5	9,5	43,0	51,0	38,0	44,0	0,111	•	•	5	100	
	925016	**32**	**1"**	31,5	13,5	43,0	67,0	45,0	60,0	0,082	•	•	5		

NOTICE: aquatherm green pipemetal 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



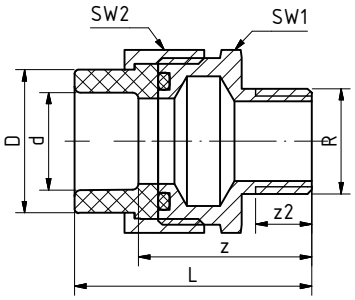


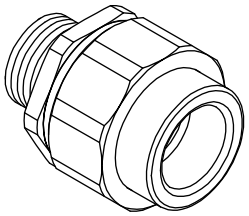
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	z2 [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 11	**25506**	**20**	**1/2"**	31,5	17,0	29,5	16,0	37,0	0,102	• •	10	200	

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



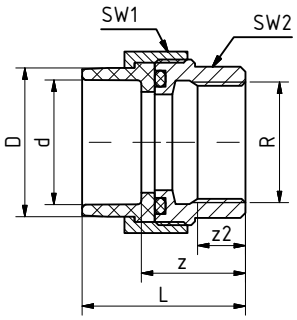


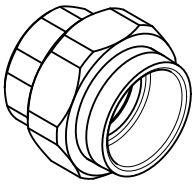
SDR	Art. no.	d [mm]	R	L [mm]	z [mm]	z2 [mm]	D [mm]	SW1 [mm]	SW2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**26608**	**20**	**1/2"**	52,5	38,0	13,5	27,5	34	36	0,145	• •	1	250	
	26610	**25**	**3/4"**	59,5	43,5	14,5	36,0	42	46	0,243	• •	1	150	
	26612	**32**	**1"**	64,5	46,5	16,8	41,5	48	52	0,336	• •	1	150	
	26614	**40**	**1 1/4"**	70,0	49,5	19,1	53,0	60	64	0,517	• •	1	80	
	26616	**50**	**1 1/2"**	84,8	61,3	22,0	59,0	48	72	0,624	• •	1	60	
	26618	**63**	**2"**	95,5	68,0	25,0	74,0	62	89	1,045	• •	1	35	

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





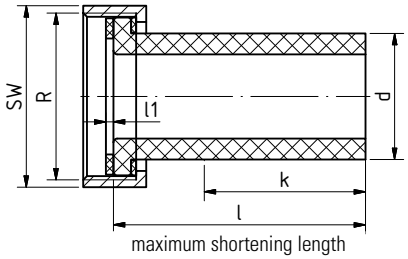
SDR	Art. no.	d [mm]	R	z [mm]	z2 [mm]	D [mm]	L [mm]	SW1 [mm]	SW2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**26638**	**20**	**1/2"**	30,5	15,0	27,5	45,0	36	24	0,112	• •	1	300	
	26640	**25**	**3/4"**	33,0	15,5	36,0	49,0	46	32	0,193	• •	1	120	
	26642	**32**	**1"**	36,0	15,0	41,5	54,0	52	40	0,291	• •	1	100	
	26644	**40**	**1 1/4"**	36,0	20,0	53,0	56,5	64	47	0,423	• •	1	100	
	26646	**50**	**1 1/2"**	41,3	19,0	59,0	64,8	72	57	0,610	• •	1	60	
	26648	**63**	**2"**	47,0	18,0	74,0	74,5	89	68	0,924	• •	1	50	

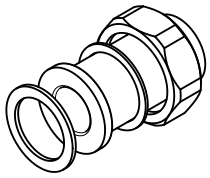
Notice: aquatherm green pipe metal compound fittings are manufactured from fusiolen® PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel.

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



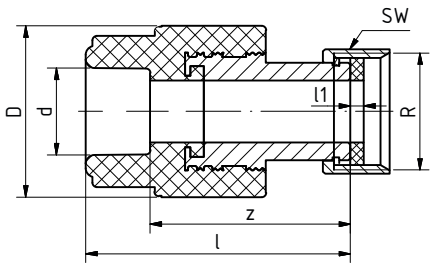


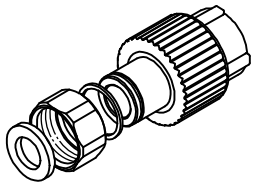
SDR	Art. no.	d [mm]	Nut R	l [mm]	l1 [mm]	k [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**26708**	**20**	**1“**	100,0	3,0	65,0	36	0,079	• •	1	150	
	26710	**25**	**1 1/4“**	100,0	3,0	62,0	46	0,104	• •	1	125	
	26712	**32**	**1 1/2“**	100,0	3,0	58,0	52	0,175	• •	1	100	
	26714	**40**	**2“**	100,0	3,0	53,0	64	0,258	• •	1	75	
	26716	**50**	**2 1/4“**	100,0	3,0	49,0	72	0,344	• •	1	60	
	26718	**63**	**2 3/4“**	100,0	3,0	43,0	89	0,583	• •	1	40	
	26720	**75**	**3 1/2“**	100,0	3,0	34,0	110	0,918	• •	1	30	
	26722	**90**	**4“**	100,0	3,0	26,0	120	1,238	• •	1	20	

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



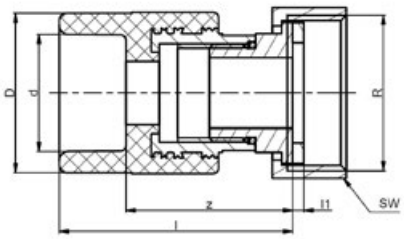


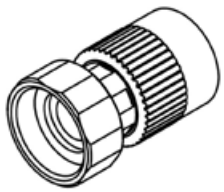
SDR	Art. no.	d [mm]	l [mm]	l1 [mm]	z [mm]	D [mm]	R	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7,4 9 11	**26808**	**20**	59,5	3,0	45,0	38,5	3/4“	30	0,136	• •	1	250	
	26810	**25**	61,0	3,0	45,0	38,5	3/4“	30	0,155	• •	1	250	
	26812	**32**	62,0	3,0	44,0	43,5	3/4“	30	0,162	• •	1	200	

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



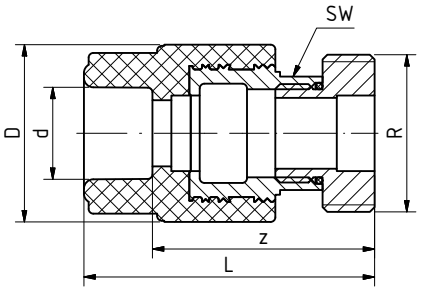


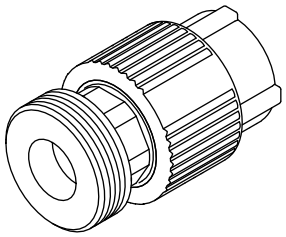
SDR	Art. no.	d [mm]	Nut R	l [mm]	l1 [mm]	z [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**27010**	**20**	**1“**	58,5	3,0	34,0	38,5	36	0,182	• •	10	300	
	27011	**25**	**1“**	60,0	3,0	44,0	38,5	36	0,186	• •	10	300	
	27012	**25**	**1 1/4“**	60,0	3,0	44,0	43,5	46	0,274	• •	10	250	
	27013	**32**	**1 1/4“**	63,0	3,0	45,0	43,5	46	0,279	• •	5	175	
	27014	**32**	**1 1/2“**	69,5	3,0	51,5	60,0	52	0,446	• •	5	125	
	27015	**40**	**1 1/2“**	72,0	3,0	51,5	60,0	52	0,421	• •	5	100	
	27016	**40**	**2“**	72,0	3,0	51,5	74,0	64	0,719	• •	5	70	
	27017	**50**	**2“**	75,0	3,0	51,5	74,0	64	0,736	• •	5	70	
	27018	**50**	**2 1/4“**	77,0	3,0	53,5	84,0	72	0,831	• •	5	50	
	27019	**63**	**2 1/4“**	83,5	3,0	56,0	84,0	72	0,889	• •	1	45	
	27020	**63**	**2 3/4“**	82,5	3,0	55,0	101,0	89	1,306	• •	1	30	
	27021	**75**	**2 3/4“**	85,0	3,0	55,0	100,0	89	1,275	• •	1	30	
	27022	**75**	**3 1/2“**	91,0	3,0	61,0	100,0	110	1,818	• •	1	30	

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



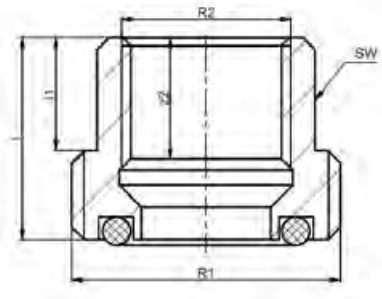


SDR	Art. no.	d [mm]	Thread R	L [mm]	z [mm]	D [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**27310**	**20**	**1"**	61,5	47,0	37,5	24	0,151	• •	10	300	
	27311	**25**	**1"**	63,0	47,0	37,5	24	0,153	• •	10	300	
	27312	**25**	**1 1/4"**	63,0	47,0	43,5	31	0,221	• •	10	250	
	27313	**32**	**1 1/4"**	66,0	48,0	43,5	31	0,226	• •	5	175	
	27314	**32**	**1 1/2"**	76,5	58,5	60,0	39	0,408	• •	5	125	
	27315	**40**	**1 1/2"**	79,0	58,5	60,0	39	0,414	• •	5	125	
	27316	**40**	**2"**	79,0	58,5	74,0	50	0,650	• •	5	70	
	27317	**50**	**2"**	82,0	58,5	74,0	50	0,634	• •	5	70	
	27318	**50**	**2 1/4"**	83,0	59,5	84,0	55	0,750	• •	5	50	
	27319	**63**	**2 1/4"**	89,5	62,0	84,0	55	0,728	• •	1	45	
	27320	**63**	**2 3/4"**	95,0	65,5	101,0	67	1,093	• •	1	30	
	27321	**75**	**2 3/4"**	95,0	65,0	100,0	67	1,117	• •	1	30	
	27322	**75**	**3 1/2"**	100,0	70,0	100,0	67	1,436	• •	1	30	

BRASS COUNTERPART

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

Systems: aquatherm green pipe, aquatherm blue pipe
Material: brass





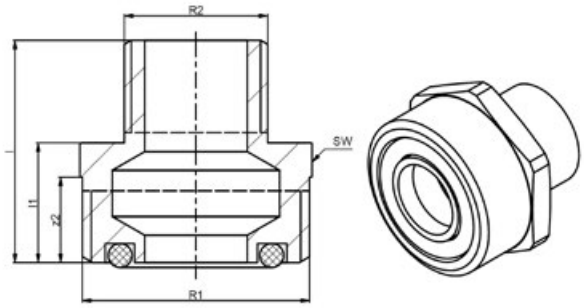
SDR	Art. no.	Male thread R1	Female thread R2	L [mm]	l1 [mm]	z2 [mm]	SW [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**27510**	**1"**	**1/2"**	25,0	14,0	15,0	25	0,063	• •	10	400	
	27512	**1 1/4"**	**3/4"**	26,0	12,5	14,0	32	0,119	• •	10	200	
	27514	**1 1/2"**	**1"**	31,0	15,0	17,0	40	0,175	• •	5	125	
	27516	**2"**	**1 1/4"**	33,0	17,0	22,0	47	0,263	• •	5	75	
	27518	**2 1/4"**	**1 1/2"**	36,0	20,0	19,0	57	0,333	• •	5	60	
	27520	**2 3/4"**	**2"**	42,0	24,0	24,0	68	0,517	• •	1	35	
	27522	**3 1/2"**	**2 1/2"**	46,0	24,0	27,0	84	0,801	• •	1	25	
	27524	**4"**	**3"**	46,0	27,0	27,0	97	0,943	• •	1	25	

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

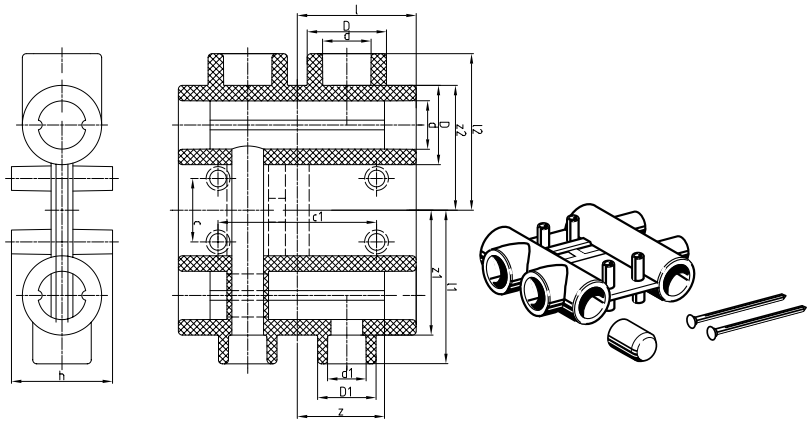


SDR	Art. no.	Thread R1	Thread R2	L [mm]	l1 [mm]	z2 [mm]	SW [mm]	Weight [kg]	System		PU	Box unit	Price € pc
6 7.4 9 11	**27710**	**1“**	**1/2“**	32,5	17,5	10,5	34	0,109	•	•	10	250	
	27712	**1 1/4“**	**3/4“**	38,5	21,0	12,5	42	0,188	•	•	10	140	
	27714	**1 1/2“**	**1“**	41,5	22,5	13,5	48	0,211	•	•	5	100	
	27716	**2“**	**1 1/4“**	44,5	22,5	13,0	60	0,363	•	•	5	60	
	27718	**2 1/4“**	**1 1/2“**	56,0	34,0	16,0	48	0,472	•	•	5	50	
	27720	**2 3/4“**	**2“**	63,0	38,0	16,0	62	0,803	•	•	1	25	
	27722	**3 1/2“**	**2 1/2“**	70,0	42,0	22,0	82	1,189	•	•	1	15	
	27724	**4“**	**3“**	74,0	42,0	22,0	97	1,398	•	•	1	10	

DISTRIBUTION BLOCK PLUMBING

including 1 plug and 2 fastenings

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

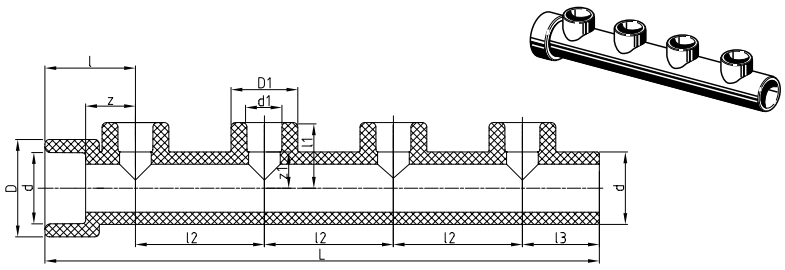


SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	d1 [mm]	l1 [mm]	z1 [mm]	D1 [mm]	l2 [mm]	z2 [mm]	c [mm]	c1 [mm]	cl [mm]	l3 [mm]	h [mm]	Weight [kg]	System		PU	Box unit	Price € pc
6 7.4 11	**30115**	**25**	60	44	40	20	77,5	63	29,5	79	63	32	80	100	36	51	0,273	•	•	1	50	

FOUR-PORT MANIFOLD

length: 246 mm, with 4 branches

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



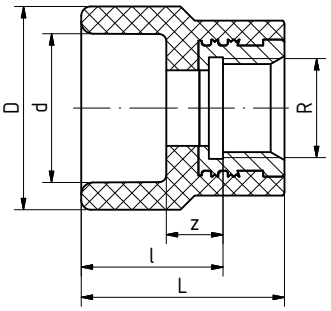
SDR	Art. no.	d [mm]	d1 [mm]	l [mm]	z [mm]	D [mm]	l1 [mm]	z1 [mm]	D1 [mm]	l2 [mm]	l3 [mm]	L [mm]	Weight [kg]	System		PU	Box unit	Price € pc
6 7.4	**30602**	**32**	**16**	40	22	43	29	16	29,5	57	36	245	0,148	•		1	100	
9 11	**30604**	**32**	**20**	40	22	43	29	14,5	29,5	57	36	245	0,134	•	•	1	100	

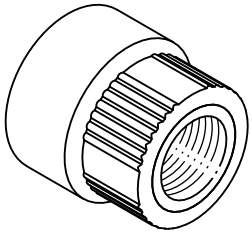
The four-port manifold can be shortened or extended by fusion with further four-port manifolds, if required.

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





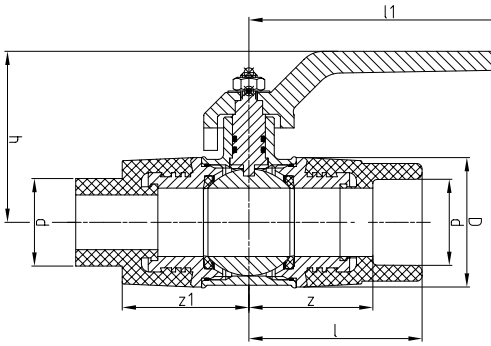
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**30804**	**32**	**1/2“**	30,0	12,0	43,0	43,0	0,073	• •	1	200	

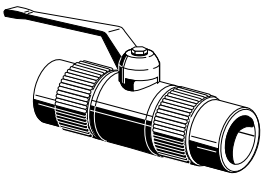
* transition piece as manifold endpiece with female thread

BALL VALVE FOR MANIFOLD

female/male

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



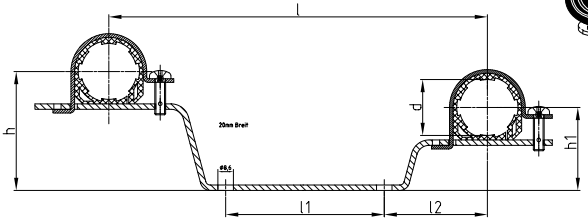


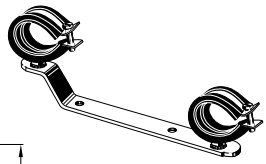
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	z1 [mm]	h [mm]	l1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**78000**	**32**	63,0	45,0	47,5	46,5	78,0	108,0	0,575	• •	2	50	

SUPPORTING STRAP FOR FOUR-PORT MANIFOLD

with clamps, galvanized, double

Systems: aquatherm green pipe, aquatherm blue pipe
Material: steel/galvanized
Colour: zinc



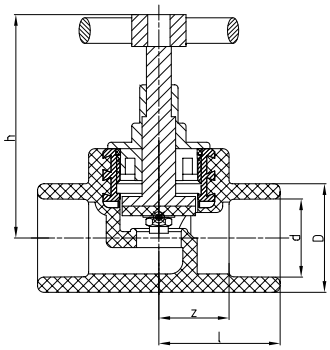


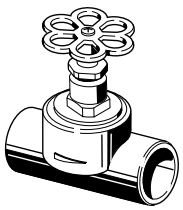
Art. no.	d [mm]	l [mm]	l1 [mm]	l2 [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
60210	**32**	210,0	80,0	57,0	66,0	46,0	0,226	• •	2	100	

GLOBE VALVE

for surface installation

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



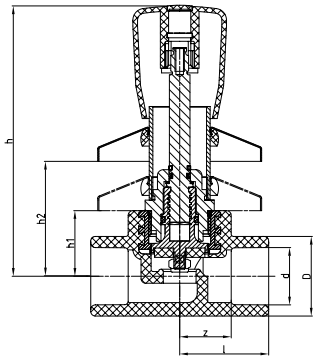


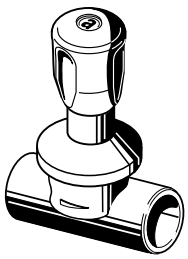
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**40808**	**20**	35,0	20,5	29,5	75,3	0,165	• •	1	100	
	40810	**25**	38,0	22,0	34,0	75,0	0,172	• •	1	100	
	40812	**32**	49,0	31,0	43,0	97,0	0,314	• •	1	60	
	40814	**40**	60,0	39,5	52,0	111,5	0,585	• •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

CONCEALED VALVE

chromium plated

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



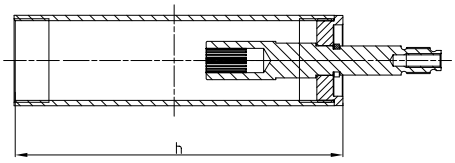


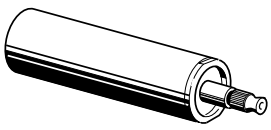
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**40858**	**20**	35,0	20,5	29,5	116,0	28,0	59,0	0,319	• •	1	40	
	40860	**25**	38,0	22,0	34,0	116,0	28,0	59,0	0,330	• •	1	40	
	40862	**32**	49,0	31,0	43,0	121,0	34,0	59,0	0,416	• •	1	30	

EXTENSION FOR CONCEALED VALVE

chromium-plated for Art. no. 40858 – 40862

Systems: aquatherm green pipe, aquatherm blue pipe
Material: brass
Colour: chrom



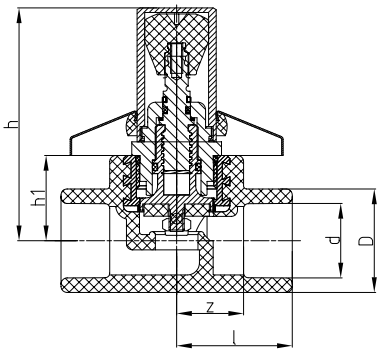


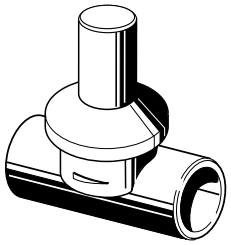
Art. no.	h [mm]	Weight [kg]	System	PU	Box unit	Price € pc
40900	92,0	0,148	• •	1	200	
40902	132,0	0,209	• •	1	200	

CONCEALED VALVE

tamper proof/chromium-plated/short design

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



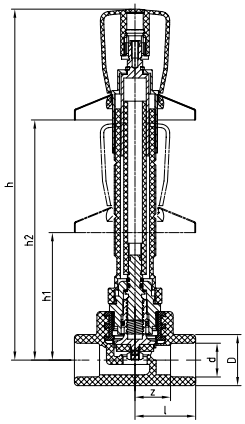


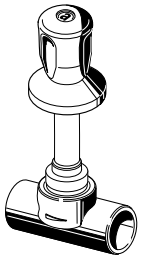
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	**40868**	**20**	35,0	20,5	29,5	71,5	28,0	0,258	• •	1	50	
7.4 9	**40870**	**25**	38,0	22,0	34,0	72,0	28,0	0,288	• •	1	50	
11	**40872**	**32**	49,0	31,0	43,0	82,5	34,0	0,376	• •	1	30	

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



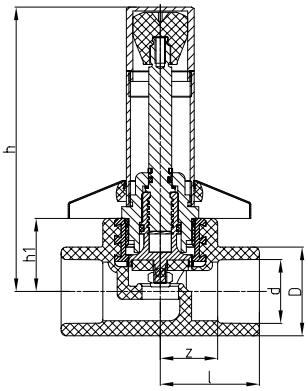


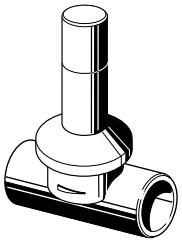
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	h2 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	**40878**	**20**	35,0	20,5	29,5	213,0	59,0	147,0	0,357	• •	1	40	
7.4 9	**40880**	**25**	38,0	22,0	34,0	213,0	59,0	147,0	0,369	• •	1	40	
11	**40882**	**32**	49,0	31,0	43,0	219,0	65,0	153,0	0,455	• •	1	20	

CONCEALED VALVE

tamper proof, chromium-plated

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

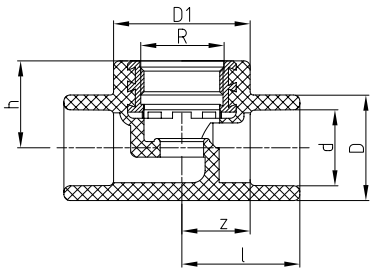


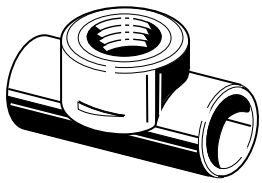


SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	h1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6	**40888**	**20**	35,0	20,5	29,5	109,0	28,0	0,342	• •	1	50	
7.4 9	**40890**	**25**	38,0	22,0	34,0	109,0	28,0	0,350	• •	1	50	
11	**40892**	**32**	49,0	31,0	43,0	115,0	34,0	0,432	• •	1	40	

STOP VALVE BODY

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



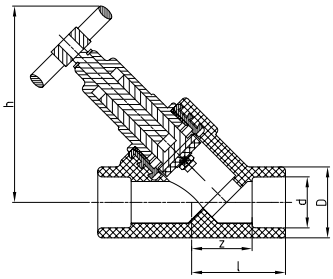


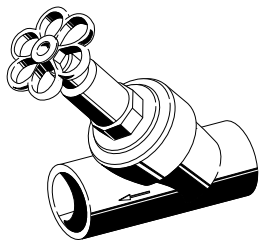
SDR	Art. no.	d [mm]	R	l [mm]	z [mm]	D [mm]	h [mm]	D1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**40908**	**20**	**3/4"**	35,0	20,0	29,5	28,0	44,0	0,082	• •	1	150	
	40910	**25**	**3/4"**	38,0	22,0	34,0	28,0	44,0	0,101	• •	1	150	
	40912	**32**	**1"**	49,0	31,0	43,0	34,0	52,0	0,146	• •	1	100	
	40914	**40**	**1 1/4"**	60,0	39,5	52,0	41,0	69,0	0,313	• •	1	50	

INCLINED VALVE

without drain

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



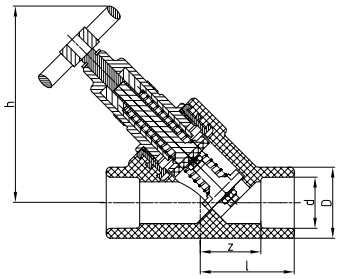


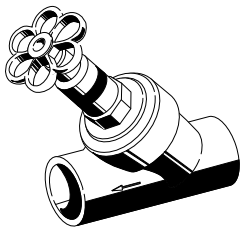
SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**41108**	**20**	45,0	30,5	34,0	95,5	0,294	• •	1	100	
	41110	**25**	45,0	29,0	34,0	95,5	0,283	• •	1	80	
	41112	**32**	56,0	38,0	43,0	111,5	0,421	• •	1	50	
	41114	**40**	65,0	44,5	52,0	135,0	0,834	• •	1	25	

NON-RETURN VALVE

without drain

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

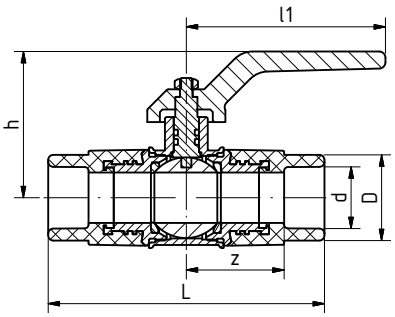


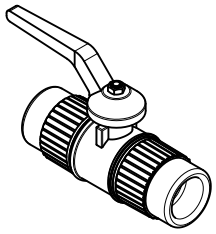


SDR	Art. no.	d [mm]	l [mm]	z [mm]	D [mm]	h [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**41208**	**20**	45,0	30,5	34,0	95,5	0,297	• •	1	80	
	41210	**25**	45,0	29,0	34,0	95,5	0,292	• •	1	80	
	41212	**32**	56,0	38,0	43,0	111,5	0,432	• •	1	50	
	41214	**40**	65,0	44,5	52,0	135,0	0,840	• •	1	25	

BALL VALVE PP/BRASS

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



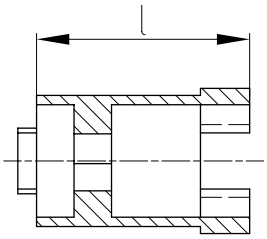


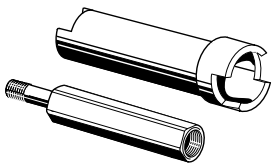
SDR	Art. no.	d [mm]	L [mm]	z [mm]	D [mm]	h [mm]	l1 [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**41308**	**20**	110,00	40,50	29,50	56,00	79,00	0,280	• •	1	100	
	41310	**25**	110,00	39,00	34,00	58,00	79,00	0,375	• •	1	100	
	41312	**32**	127,00	45,50	43,00	66,00	103,00	0,592	• •	1	60	
	41314	**40**	145,00	52,00	52,00	71,00	104,00	1,015	• •	1	40	
	41316	**50**	167,00	60,00	68,00	79,00	140,00	1,689	• •	1	25	
	41318	**63**	205,00	75,00	84,00	88,00	140,00	2,874	• •	1	15	

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



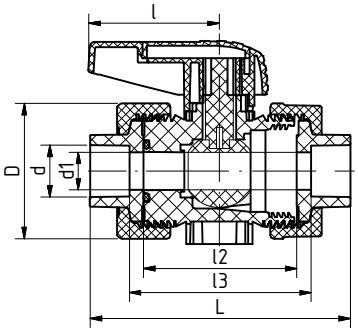


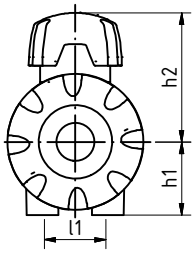
Art. no.	l [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € pc
41378	35,0	41308-41310	0,120	• •	1	100	
41382	35,0	41312-41314	0,120	• •	1	100	
41386	46,0	41316-41318	0,273	• •	1	75	

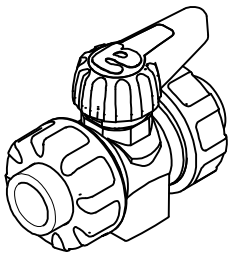
PP-BALL VALVE

with union nut and welding socket

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





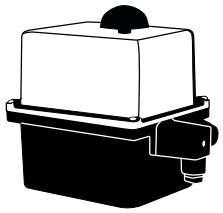


SDR	Art. no.	d [mm]	d1 [mm]	D [mm]	h1 [mm]	h2 [mm]	l1 [mm]	l2 [mm]	l3 [mm]	L [mm]	l [mm]	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**41488**	**20**	13,5	50,3	27,0	48,0	25,0	56,5	68,0	97,0	48,0	0,118	• •	1		
	41490	**25**	18,5	59,0	30,0	56,5	25,0	65,5	78,0	110,0	59,0	0,184	• •	1		
	41492	**32**	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

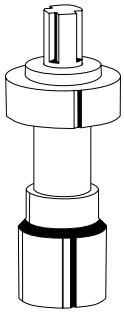


Systems: aquatherm green pipe, aquatherm blue pipe
Colour: black/red

Art. no.	Dimension [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € pc
			230 Volt				
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		
			24 Volt				
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



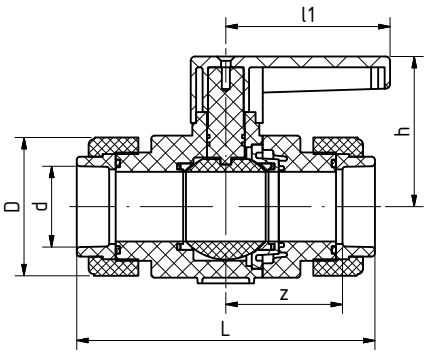
Systems: aquatherm green pipe, aquatherm blue pipe
Material: PVC
Colour: grey

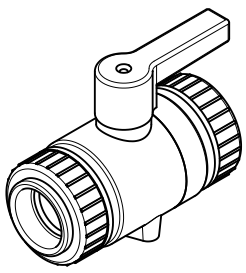
Art. no.	l [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € pc
98900	100	41488	0,020	• •	1		
98901	100	41490/41492	0,025	• •	1		
98902	100	41494/41496	0,030	• •	1		
98903	100	41498	0,125	• •	1		

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

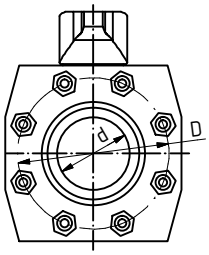
SDR	Art. no.	d [mm]	L [mm]	z [mm]	D [mm]	h [mm]	l1 [mm]	Inch R	DN	Weight [kg]	System	PU	Box unit	Price € pc
6 7.4 9 11	**41400**	**75**	276,0	108,0	129,0	139,0	152,0	0,00	65	2,441	• •	1	10	

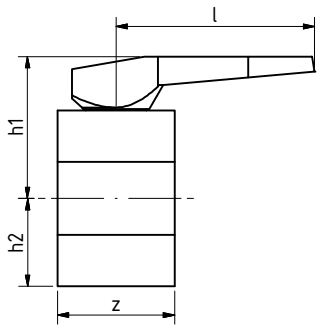
Also suitable for vacuum pipes.

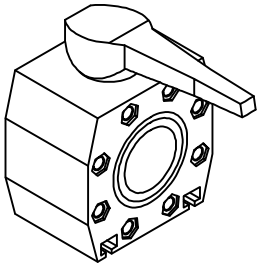
PP-BALL VALVE

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 7.4 9 11	**41602**	**90**	77,0	210,0	124,0	160,0	150,0	93,0	4,196	• •	1	4	
	41604	**110**	94,0	260,0	145,0	180,0	165,0	103,0	5,612	• •	1	2	
	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)

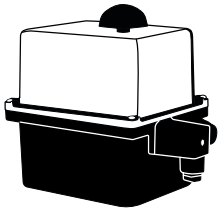
Hexagon screw M 16x60 mm for Art. no. 41602/41604
Hexagon screw M 20x80 mm for Art. no. 41607
corresponding flat washer M 16

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

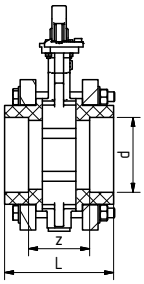


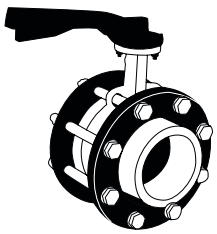
Art. no.	Dimension [mm]	for Art. no.	Weight [kg]	System	PU	Box unit	Price € pc
			230 Volt				
41603	**90**	incl. fixtures for 41602	3,300	• •	1		
41605	**110**	incl. fixtures for 41604	3,400	• •	1		
41608	**160**	incl. fixtures for 41607	3,700	• •	1		
			24 Volt				
41703	**90**	incl. fixtures for 41602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

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-R, Steel
Colour: blue



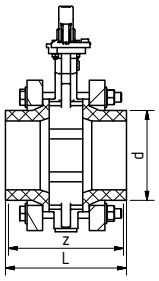


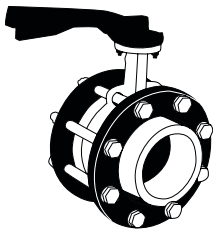
SDR	Art. no.	d [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
					socket welding				
6 7.4	**2041820**	**75**	78	138	6,763	•	1		
9	**2041822**	**90**	80	146	9,134	•	1		
11 17.6	**2041824**	**110**	89	163	10,400	•	1		
	2041826	**125**	104	184	15,600	•	1		

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-R, Steel
Colour: blue



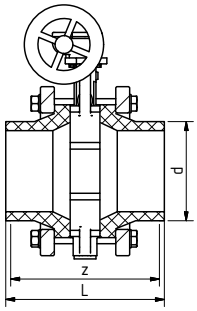


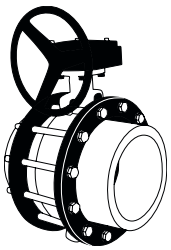
SDR	Art. no.	d [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
					Butt welding				
11	**2041830** ✦	**160**	227	242	22,000	•	1		
17.6	**2541830**	**160**	227	242	21,700	•	1		

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-R, Steel
Colour: blue



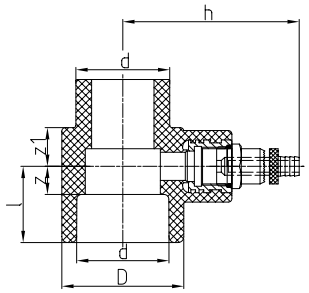


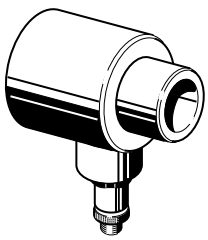
SDR	Art. no.	d [mm]	z [mm]	L [mm]	Weight [kg]	System	PU	Box unit	Price € pc
11	**2041834**	**200**	305	320	41,400	•	1		
	2041838	**250**	313	328	59,200	•	1		
	2041842	**315**	412	432	81,800	•	1		
17.6	**2541834**	**200**	305	320	40,900	•	1		
	2541838	**250**	313	328	58,400	•	1		
	2541842	**315**	412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

DRAINING BRANCH

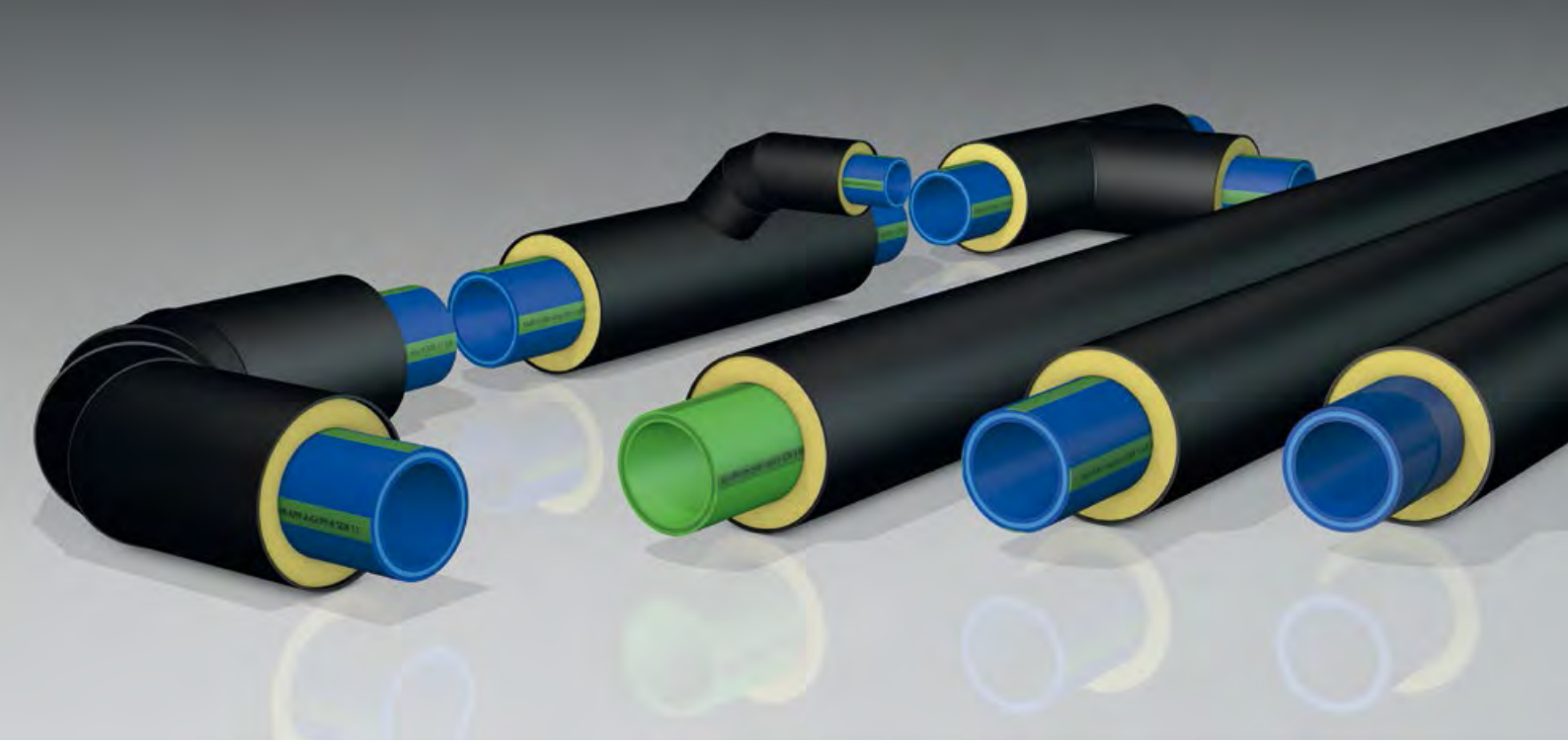
to weld in aquatherm green pipe valves

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	200	
	41410	**25**	10,0	26,0	34,0	16,5	71,0	0,096	• •	1	200	
	41412	**32**	14,0	32,0	43,0	17,0	74,5	0,118	• •	1	150	
	41414	**40**	12,0	32,5	52,0	16,5	80,5	0,140	• •	1	100	
	41416	**50**	15,5	39,0	68,0	17,0	88,0	0,202	• •	1	40	
	41418	**63**	16,5	44,0	84,0	16,5	96,0	0,288	• •	1	25	



aquatherm ti

PRE-INSULATED PIPE SYSTEMS FOR DISTRICT HEATING

One of the most energy-efficient methods of transporting hot potable water as well as heating or cooling water covering long distances is the application of underground piping. To achieve the necessary insulating characteristics for this type of application, aquatherm offers the factory-made pre-insulated aquatherm ti pipe system with different medium pipes.

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 32 – 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
faser composite pipe system SDR 7.4/11 in dimensions 32 – 250 mm
oxygen-tight pipe system for heating- and industrial water

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.

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 considering the material resistance	●	●	●

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

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

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 SDR9*

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 with 4 wide green stripes

aquatherm blue pipe ot *faser composite pipe SDR 7.4/SDR11*

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

The manufacturer´s operating instructions are valid.

INSULATION

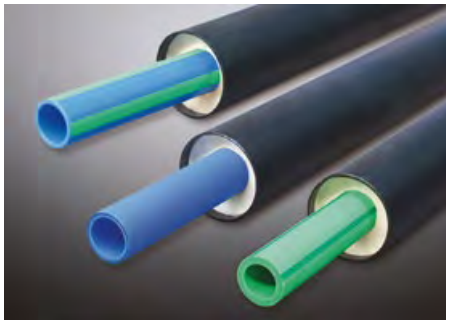
aquatherm ti pipes and fittings are insulated with polyurethane rigid foam (PUR), tested according to EN253. In the production line discontinuously foamed between medium and casing pipe, a high-class insulation with outstanding thermal conductivity λPUR=0,0275 W/mK and low specific weight is formed by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

All aquatherm ti components are generally produced with a 100 % Freon-free an 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 λPE80 = 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		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / *SDR 7.4		aquatherm blue pipe ti SDR 17.6		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	6
40	110	**1370713**		**2270113**		**2470113**				5.8	6
50	110	**1370715**		**2270115**		**2470115**				5.8	6
63	125	**1370717**		**2270117**		**2470117**				5.8	6
75	140	**1370719**		**2270119**		**2470119**				5.8	6
90	160	**1370721**		**2270121**		**2470121**				5.8	6
110	200	**1370723**		**2270123**		**2470123**				5.8	6
125	225	**1370725**		**2270125**		**2470125**		**2770125**		5.8	6
160	250	**1370729**		**2270129**		**2470129**		**2770129**		5.8	6
200	315			**2270133**		**2470133**		**2770133**		5.8	6
250	400			**2270137**		**2470137**		**2770137**		5.8	6
315	450			**2270141**				**2770141**		5.8	6
355	500			**2270143**				**2770143**		5.8	

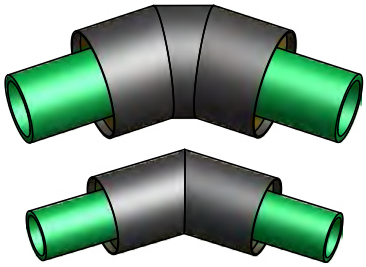
aquatherm green pipe ti SDR 9 in dimensions from 200 mm available on request.

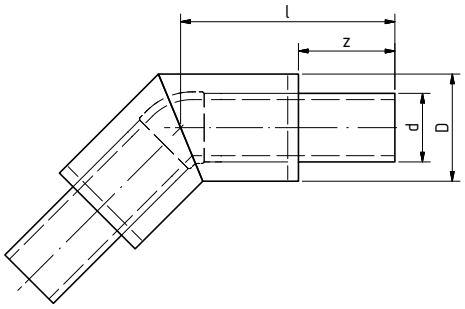
aquatherm ti FASER COMPOSITE PIPES

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		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / *SDR 7.4		aquatherm blue pipe ti SDR 17.6		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	12
63	125	**1370718**		**2270118**		**2470118**				11.6	
75	140	**1370720**		**2270120**		**2470120**				11.6	
90	160	**1370722**		**2270122**		**2470122**				11.6	12
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	12
315	450			**2270142**				**2770142**		11.6	12
355	500			**2270144**				**2770144**		11.6	

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





aquatherm ti ELBOW 45° SL 500

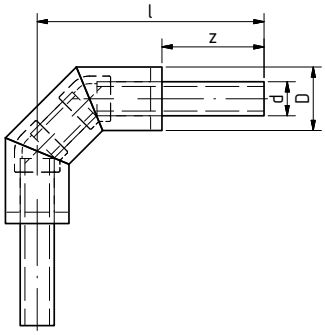
with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter				aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		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	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	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	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 available on request.





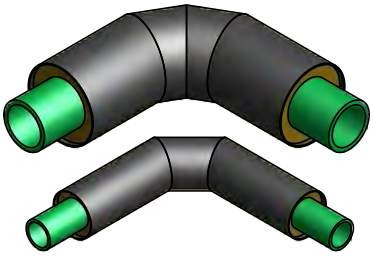
aquatherm ti ELBOW 90° SL 500

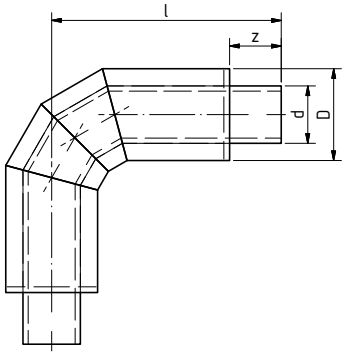
with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter				aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		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	20
75	140	225	500	**1312220**		**2212220**		**2412220**		1	

Also available in design 60° and 75°.

aquatherm green pipe ti SDR 9 available on request.





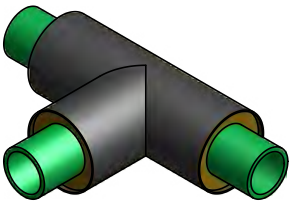
aquatherm ti ELBOW 90° SL 1000

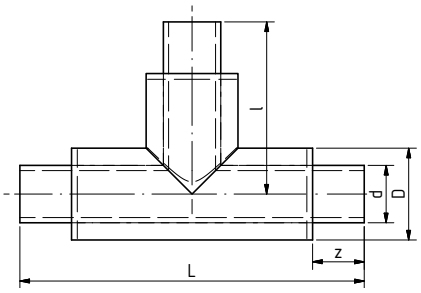
with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter				aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		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	1
40	110	225	1000	**1312114**		**2212114**		**2412114**				1	1
50	110	225	1000	**1312116**		**2212116**		**2412116**				1	
63	125	225	1000	**1312118**		**2212118**		**2412118**				1	1
75	140	225	1000	**1312120**		**2212120**		**2412120**				1	6
90	160	225	1000	**1312122**		**2212122**		**2412122**				1	6
110	200	225	1000	**1312124**		**2212124**		**2412124**				1	1
125	225	225	1000	**1312126**		**2212126**		**2412126**		**2712126**		1	
160	250	225	1000	**1312130**		**2212131**		**2412131**		**2712130**		1	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 available on request.



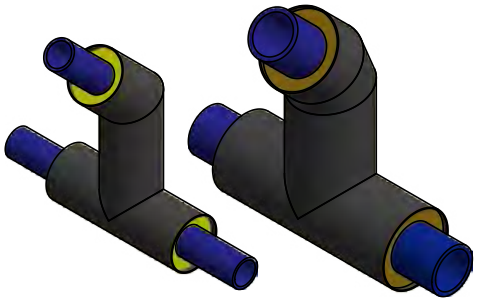


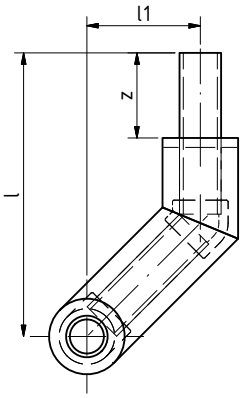
aquatherm ti BRANCH

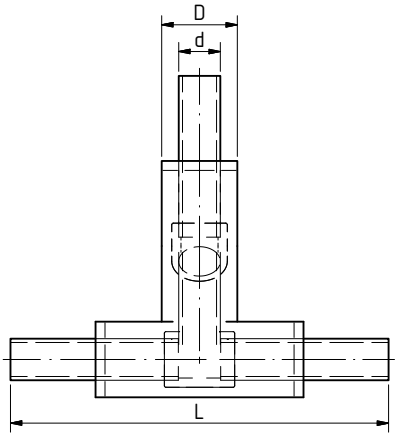
with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter					aquatherm green pipe ti SDR 9		aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11		aquatherm blue pipe ti SDR 17.6		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	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	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 available on request.



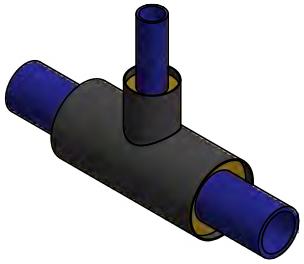


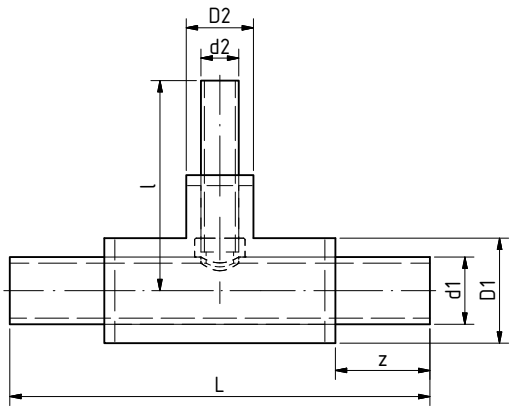


aquatherm ti CROSS-OVER BRANCH

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

Outside diameter						aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / *SDR 7.4		aquatherm blue pipe ti SDR 17.6		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	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	



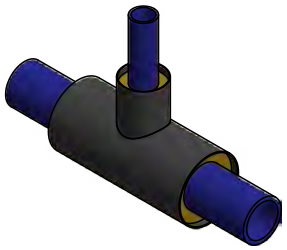


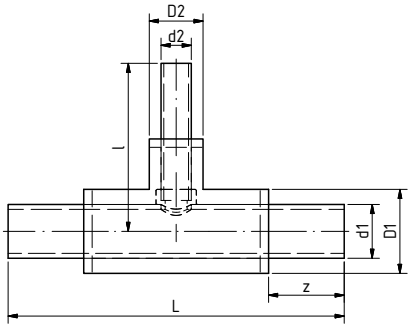
aquatherm ti RED.-BRANCH

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

Outside diameter							aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / SDR 7.4		aquatherm blue pipe ti SDR 17.6 / SDR 11		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	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	250	200	225	750	1500	**2213303**		**2413303**		**2713302****		1	
160	125	250	225	225	750	1500	**2213305**		**2413305**		**2713304**		1	

* Branch d2 SDR 7.4 | ** Branch d2 SDR 11



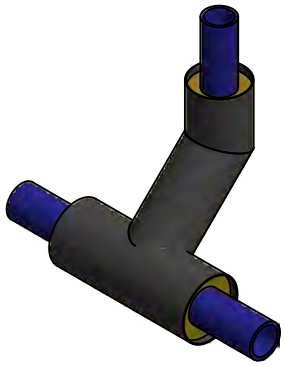


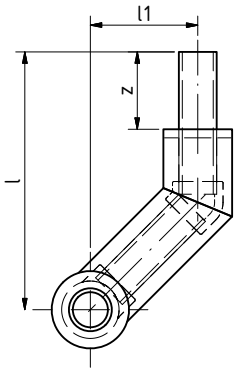
aquatherm ti RED.-BRANCH

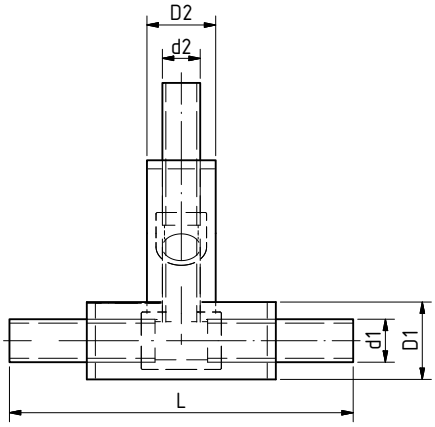
with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter							aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / SDR 7.4		aquatherm blue pipe ti SDR 17.6 / SDR 11		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 7.4 | ** Branch d2 SDR 11





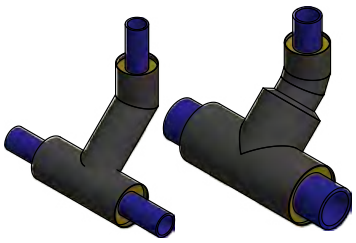


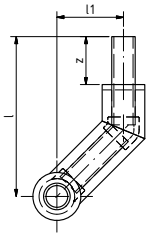
aquatherm ti RED. CROSS-OVER BRANCH

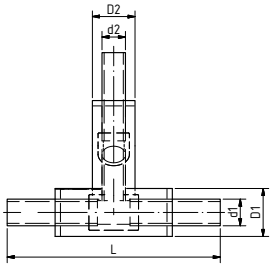
with PUR rigid foam and coated with a casing pipe made of PEHD

Outside diameter								aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / SDR 7.4		aquatherm blue pipe ti SDR 17.6 / SDR 11		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	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	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 7.4 | ** Branch d2 SDR 11





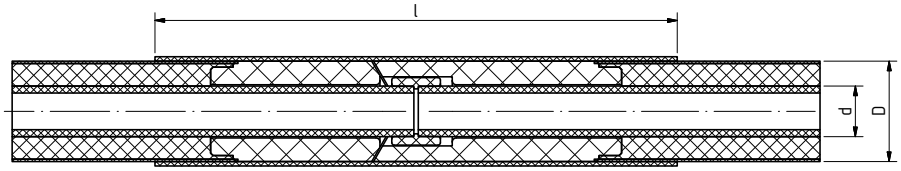


aquatherm ti RED. CROSS-OVER BRANCH

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

Outside diameter								aquatherm blue pipe ti SDR 11		aquatherm blue pipe ot ti SDR 11 / SDR 7.4		aquatherm blue pipe ti SDR 17.6 / SDR 11		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	

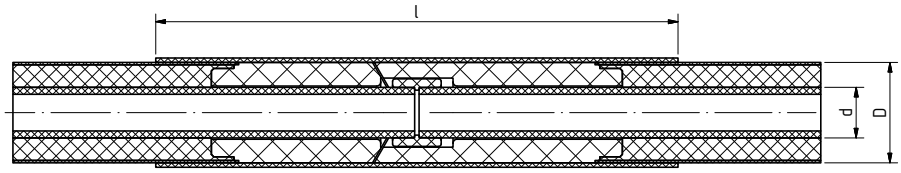
* Branch d2 SDR 7.4 | ** Branch d2 SDR 11



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.

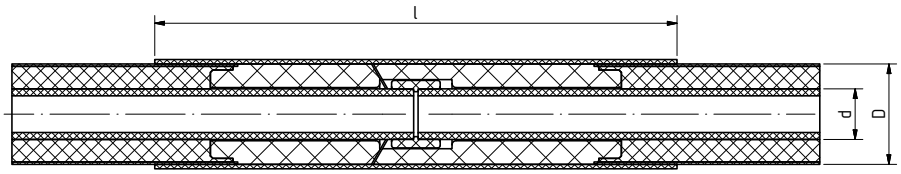
Outside diameter			aquatherm ti			
Medium pipe d [mm]	Casing pipe D [mm]	l [mm]	Art. no.	PU	Box unit	Price € pc
Socket welding: the fitting for the connection of the medium pipes is included in delivery.						
32	90	650	**2211012**	1		
40	110	650	**2211014**	1		
50	110	650	**2211016**	1		
63	125	650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

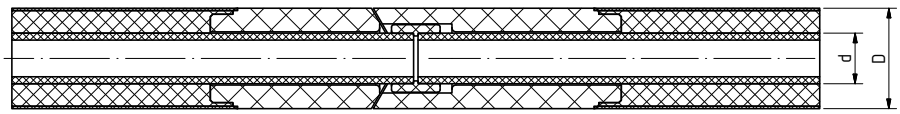
Outside diameter			aquatherm ti			
Medium pipe d [mm]	Casing pipe D [mm]	l [mm]	Art. no.	PU	Box unit	Price € pc
Socket welding: the fitting for the connection of the medium pipes is included in delivery.						
32	90	750	**1211012**	1	1	
40	110	750	**1211014**	1	1	
50	110	750	**1211016**	1	1	
63	125	750	**1211018**	1	20	
75	140	750	**1211020**	1	1	
90	160	750	**1211022**	1	16	
110	200	750	**1211024**	1	10	
125	225	750	**1211026**	1	1	
Butt welding: no fitting is required for the connection of the medium pipes						
160	250	750	**1211030**	1	1	
200	315	750	**1211034**	1	6	
250	400	750	**1211038**	1	4	
315	450	750	**1211042**	1		
355	500	750	**1211044**	1		



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.

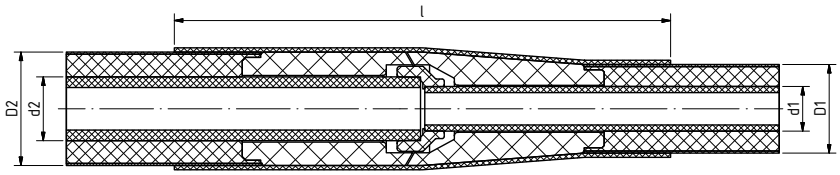
Outside diameter			aquatherm ti			
Medium pipe d [mm]	Casing pipe D [mm]	l [mm]	Art. no.	PU	Box unit	Price € pc
Socket welding: the fitting for the connection of the medium pipes is included in delivery.						
32	90	600	**2211011**	1		
40	110	600	**2211013**	1		
50	110	600	**2211015**	1		
63	125	600	**2211017**	1		
75	140	600	**2211019**	1		
90	160	600	**2211021**	1		
110	200	600	**2211023**	1		
125	225	600	**2211025**	1		
Butt welding: no fitting is required for the connection of the medium pipes						
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. 91)

Outside diameter		aquatherm ti			
Medium pipe d [mm]	Casing pipe D [mm]	Art. no.	PU	Box unit	Price € pc
Socket welding: the fitting for the connection of the medium pipes is included in delivery.					
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		
Butt welding: no fitting is required for the connection of the medium pipes					
160	250	**2411030**	1		
200	315	**2411034**	1		
250	400	**2411038**	1		
315	450	**2411042**	1		
355	500	**2411044**	1		

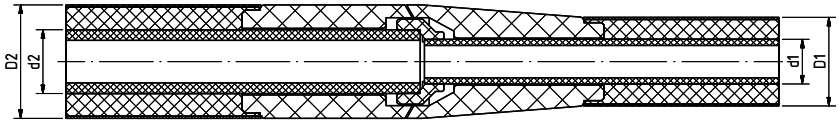


aquatherm ti REDUCING SOCKET

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		
Socket welding: up to 125 x 110 mm, than one-sided socket- and one-sided butt welding								
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	15
90	63	125	160	900	**1211252**		1	15
90	75	140	160	900	**1211253**		1	15
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	

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

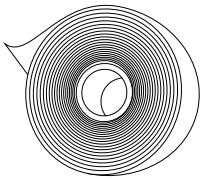
Outside diameter				aquatherm ti		PU	Box unit
d2 [mm]	d1 [mm]	D1 [mm]	D2 [mm]	Art. no.	Price € pc		
Socket welding: up to 125 x 110 mm, than one-sided socket- and one-sided butt welding							
40	32	90	110	**2411222**		1	
50	32	90	110	**2411228**		1	
50	40	110	110	**2411230**		1	
63	40	110	125	**2411236**		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.	Price € pc		
160	110	200	250	**2411275**		**2711275**		1	
160	125	225	250	**2411277**		**2711277**		1	
200	125	225	315	**2411283**		**2711283**		1	
Double-sided butt welding									
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

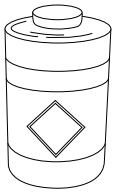
for post-insulation of connections with the aquatherm insulation-socket set

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



aquatherm ti PRIMER

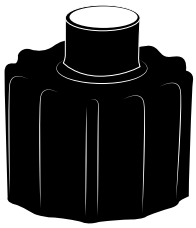
Art. no.	Amount	PU	Box unit	Price € m/pc
2411002	1 Liter	1		



aquatherm ti CLOSING COLLAR

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

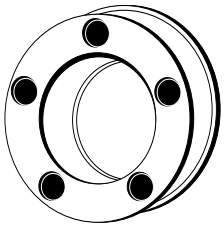
Outside diameter		aquatherm ti			
Medium pipe [mm]	Casing pipe [mm]	Art. no.	PU	Box unit	Price € pc
32	90	**1214112**	1	6	
40 – 50	110	**1214114**	1	4	
63 – 75	125 – 140	**1214118**	1	2	
90	160	**1214122**	1	5	
110	200	**1214124**	1	6	
125	225	**1214126**	1	5	
160	250	**1214130**	1	4	
200	315	**1214134**	1	4	
250	400	**1214138**	1	2	
315/355	450/500	**1214142**	1	1	



aquatherm ti COMPACT SEALS

Pipe collar for wall duct.

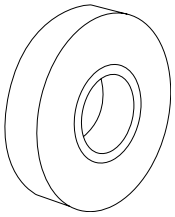
Outside diameter			aquatherm ti			
Core drill hole [mm]	Medium pipe [mm]	Casing pipe [mm]	Art. no.	PU	Box unit	Price € pc
150	32	90	**1214212**	1		
200	50	110	**1214214**	1		
200	63	125	**1214218**	1		
200	75	140	**1214220**	1		
250	90	160	**1214222**	1		
300	110	200	**1214224**	1		
350	125	225	**1214226**	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	18	

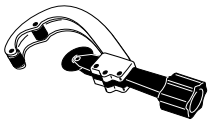
Colour: yellow
Printing in black: "Attention district heating pipeline"



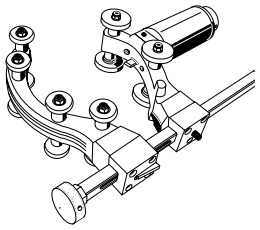
Tools for processing the aquatherm ti system see from page 92 also an explanation regarding the processing from page 104

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

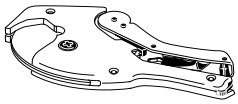


Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50102	16-40mm	1	34	
50105	50-125mm	1	1	
50106	63-200mm	1	1	

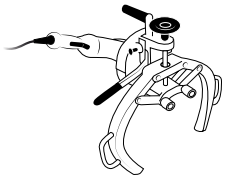


PIPE CUTTER

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



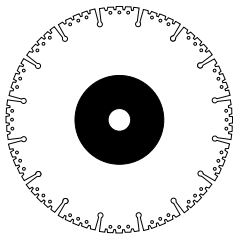
ORBITAL CIRCULAR SAW



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

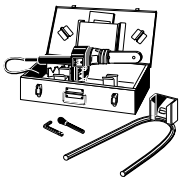
CUTTING DISC FOR PLASTIC



Art. no.	Dimension	borehole	PU	Box unit	Price € pc
50107	ø 125mm	22,2 mm	1	30	
50109	ø 230mm	22,2 mm	1	10	

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

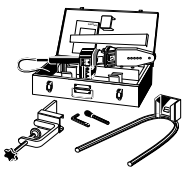
MANUAL WELDING DEVICE (500 W)



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

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

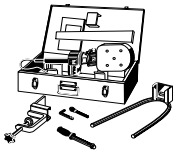
MANUAL WELDING DEVICE (800 W)



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

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

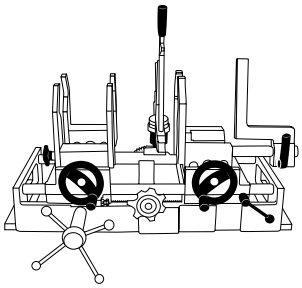
MANUAL WELDING DEVICE (1400 W)



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

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

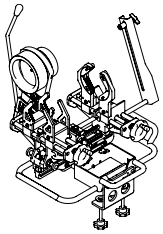
WELDING MACHINE (1400 W)



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)

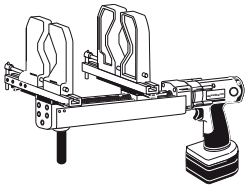
WELDING MACHINE (1400 W) LIGHT



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

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

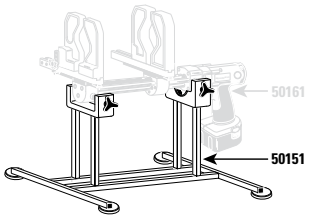
ELECTRIC WELDING JIG



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

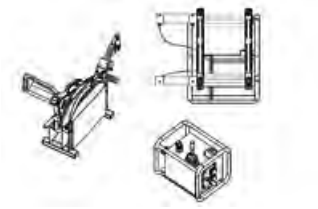
including standby accumulator, charging station and metal case
Also available: 110 V (Art. no. 450159)

BASE FOR ART. NO. 50159



Art. no.	Dimension	PU	Box unit	Price € pc
50151		1	3	

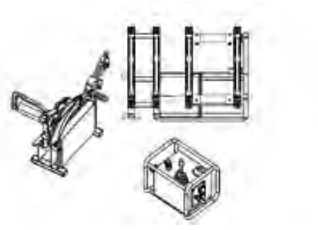
BUTT-WELDING MACHINE-TWO-RING-MACHINE WIDOS



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. **4**50350 = ø 160 – 250 mm / **4**50351 = ø 160 – 315 mm)

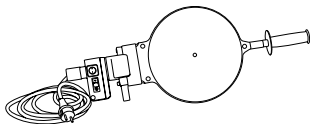
BUTT WELDING MACHINE WIDOS



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. **4**50352 = ø 160 – 250 mm / **4**50353 = ø 160 – 315 mm / **4**50354 = ø 160 – 355 mm / **4**50355 = ø 200 – 450 mm)
** special voltage on demand

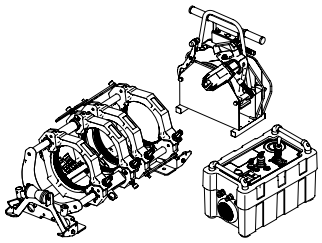
MANUAL WELDING DEVICE (1500 W) FOR SADDLE WELDING Ø 50 – 160 MM



Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50330	ø 50-160mm	1	2	

BUTT WELDING MACHINE RITMO

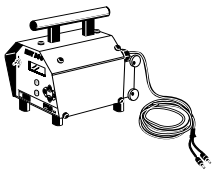
Art. no.	for pipe dimensions	Weight [kg]	PU	Box unit	Price € pc
50165*	ø 160-250mm	176,500	1	1	
50166*	ø 160-315mm	160,000	1		
50177	ø 160-355mm	336,500	1	1	
50169	ø 400-630mm	710,000	1		



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

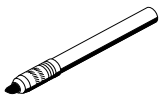
Art. no.	for pipe dimensions	PU	Box unit	Price € pc
50175	ø 20-250mm	1	1	



For processing with electro-fusion-sockets Art. no. 17208 – 17238.
Special calibration-tools – optainable on request – are required

TEMPERATURE PENCIL

Art. no.	Dimension	PU	Box unit	Price € pc
50190		1	140	



to check the correct welding temperature

SURFACE THERMOMETER

Art. no.	Dimension	PU	Box unit	Price € pc
50188		1	10	

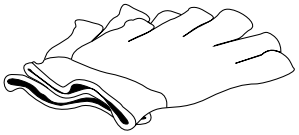


to check the correct welding temperature

TEMPERATURE PREDECTIVE GLOVE

for tool change

Art. no.	Dimension	PU	Box unit	Price € pc
50195		2	15	



CLEANING WIPES

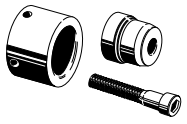
Art. no.	Dimension	PU	Box unit	Price € pc
50193	Box/100 towels	1	20	



for electrofusion sockets

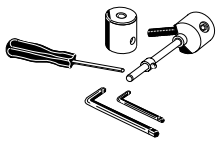
WELDING TOOLS

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
50206	16	1	3	
50208	20	1	3	
50210	25	1	100	
50212	32	1	80	
50214	40	1	50	
50216	50	1	40	
50218	63	1	25	
50220	75	1	20	
50222	90	1	15	
50224	110	1	10	
50226	125	1	6	



REPAIR SET

Art. no.	Dimension	PU	Box unit	Price € pc
50307	7mm	1	50	
50311	11mm	1	50	



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

PIPE REPAIR STICK

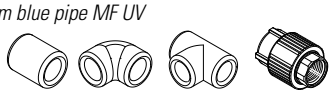
for pipe repairs

Art. no.	Dimension	PU	Box unit	Price € pc
60600	7/11mm	10	2500	



aquatherm UNIVERSAL PEELING TOOLS

for aquatherm green pipe MF UV, aquatherm green pipe MF RP UV, aquatherm blue pipe MF 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 blue pipe MF, aquatherm green pipe MF RP, aquatherm green pipe TI, aquatherm blue pipe TI

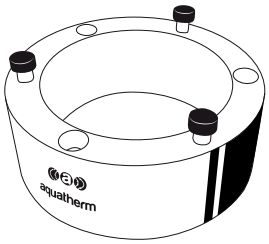
S = single, **MF** = multilayer fibre, **OT** = oxygen tight, **UV** = ultraviolet protected, **TI** = thermal insulation, **RP** = raised pressure

aquatherm EXTENSION FOR UNIVERSAL PEELING TOOL

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



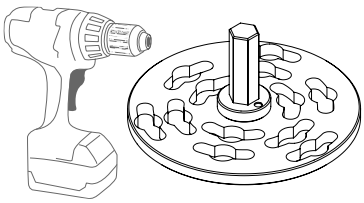
When electrofusion welding a longer welding depth is required, which is achieved by the combination of the universal peeling tool and the extension for the universal peeling tool (e.g. Art. no. 50479+50489)



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



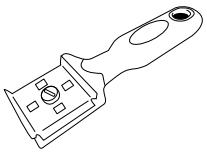
Art. no.	Dimension	PU	Box unit	Price € pc
50478	for ø 75 - 125 mm	1		

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		



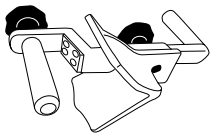
For removal of OT-coat before butt-welding.
In addition the manual scraper can be used for removal of oxid coating for the E-socket welding.

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 UND UV PIPES

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



For removal of oxid coating before butt-welding.

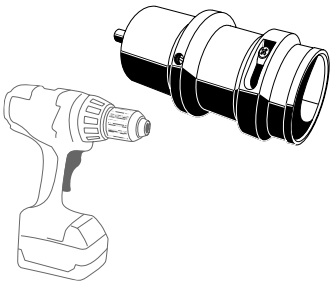
aquatherm PEELING TOOLS FOR ELECTROFUSION SOCKET WELDING (ART. NO.17208 – 17238)

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

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

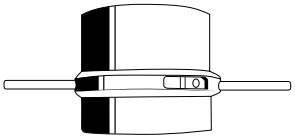


Art. no.	Dimension [mm]	PU	Box unit	Price € pc
	In combination with a drilling machine			
50558	20	1	30	
50560	25	1	20	
50562	32	1	15	
50564	40	1	14	
50566	50	1	8	
50568	63	1	4	
50570	75	1	3	
50572	90	1	2	
50440	spare blade	1	1	
	For manual peeling			
50574	110	1	1	
50576	125	1	1	
50580	160	1	5	
50441	spare blade	1		
	For manual peeling			
50592	200 + 250	1	1	
99739	spare blade	1		

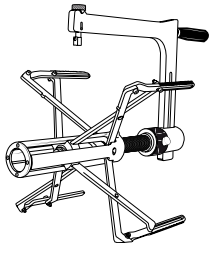


Art. no. 50558 – 50572

In combination with a drilling machine (not included!)



Art. no. 50574 – 50580



Art. no. 50592

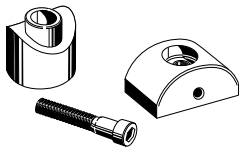
Not suitable for aquatherm green pipe UV, aquatherm blue pipe UV and aquatherm blue pipe OT

S = single, **MF** = multilayer fibre, **OT** = oxygen tight, **UV** = ultraviolet protected, **TI** = thermal insulation, **RP** = raised pressure

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

SADDLE WELDING TOOLS

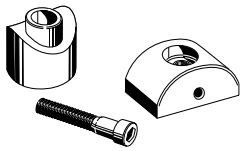
for welding saddles



Art. no.	Dimension	PU	Box unit	Price € pc
50614	40x20/25mm	1	40	
50616	50x20/25mm	1	35	
50619	63x20/25mm	1	35	
50620	63x32mm	1	35	
50623	75x20/25mm	1	30	
50624	75x32mm	1	30	
50625	75x40mm	1	20	
50627	90x20/25mm	1	30	
50628	90x32mm	1	30	
50629	90x40mm	1	20	
50631	110x20/25mm	1	30	
50632	110x32mm	1	30	
50634	110x40mm	1	20	
50635	110x50mm	1	12	
50636	125x20/25mm	1	30	
50638	125x32mm	1	30	
50640	125x40mm	1	20	
50642	125x50mm	1	12	
50644	125x63mm	1	6	
50648	160x20/25mm	1	20	
50650	160x32mm	1	20	
50652	160x40mm	1	15	
50654	160x50mm	1	10	
50656	160x63mm	1	8	
50657	160x75mm	1	6	
50658	160x90mm	1	4	
50660	200x20/25mm	1	35	
50662	200x32mm	1	35	
50664	200x40mm	1	20	
50666	200x50mm	1	12	
50667	200x75mm	1	6	
50668	200x63mm	1	8	
50669	200x90mm	1	4	
50670	200x110mm	1	2	
50671	200x125mm	1	1	
50672	250x20/25mm	1	35	
50674	250x32mm	1	35	
50676	250x40mm	1	20	
50678	250x50mm	1	12	
50680	250x63mm	1	8	
50682	250x75mm	1	6	

SADDLE WELDING TOOLS

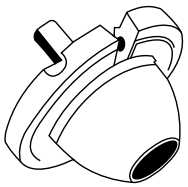
for welding saddles



Art. no.	Dimension	PU	Box unit	Price € pc
50684	250x90mm	1	4	
50686	250x110mm	1	2	
50688	250x125mm	1	1	
50690	315x63mm	1	10	
50692	315x75mm	1	5	
50694	315x90mm	1	3	
50696	315x110mm	1	2	
50698	315x125mm	1	1	
50699	315x160mm	1	2	
50712	355x63mm	1	75	
50714	355x75mm	1	1000	
50716	355x90mm	1	700	
50718	355x110mm	1	5	
50720	355x125mm	1	3	
50722	355x160mm	1	2	
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		

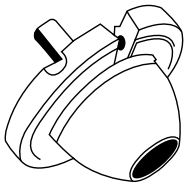
SADDLE PEELING TOOLS FOR OT UND UV PIPES Ø 50 – 125 mm

Art. no.	Dimension	PU	Box unit	Price € pc
50921	for welding saddles 20 & 25 mm	1	25	
50922	for ø 32 mm	1	25	
50924	for ø 40 mm	1	20	
50926	for ø 50 mm	1	15	
50928	for ø 63 mm	1	10	



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

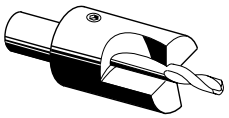
Art. no.	Dimension	PU	Box unit	Price € pc
50421	for welding saddles ø 20 & 25 mm	1		
50422	for welding saddles ø 32 mm	1		
50424	for welding saddles ø 40 mm	1		
50426	for welding saddles ø 50 mm	1		
50428	for welding saddles ø 63 mm	1		

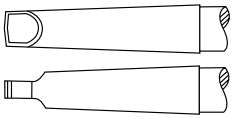


DRILLS *for installation of weld-in saddles*

Art. no.	Dimension	PU	Box unit	Price € m/pc
50940	20&25mm (40-160mm)	1	50	
50941	20&25mm (63-250mm)	1	50	
50942	32mm	1	45	
50944	40mm	1	40	
50946*	50mm	1	25	
50948*	63mm	1	15	

** may only be used in fixed drilling machines!*





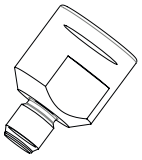
DRILL DUSS DIA303

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		



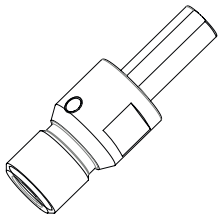
KEYLESS CHUCK clamping range 1,5 – 13mm

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



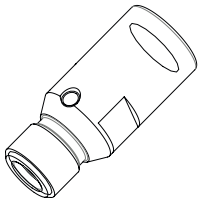
HOLE SAW HOLDER LSA3

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



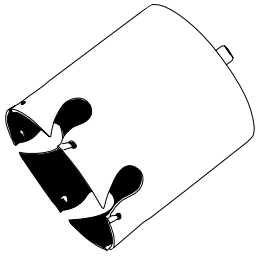
HOLE SAW HOLDER LSA2

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



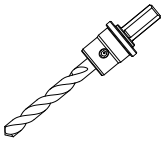
SADDLE-HOLE SAW FOR BRANCH *for assembly of weld-in saddles*

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		



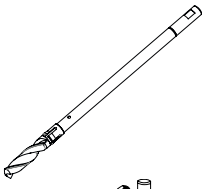
QUICK CHANGE ADAPTER 75 – 90MM

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



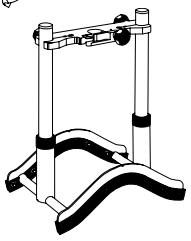
CENTER DRILL LSZ 1

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



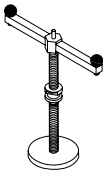
DRILL RIG FOR DUSS-DRILL

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

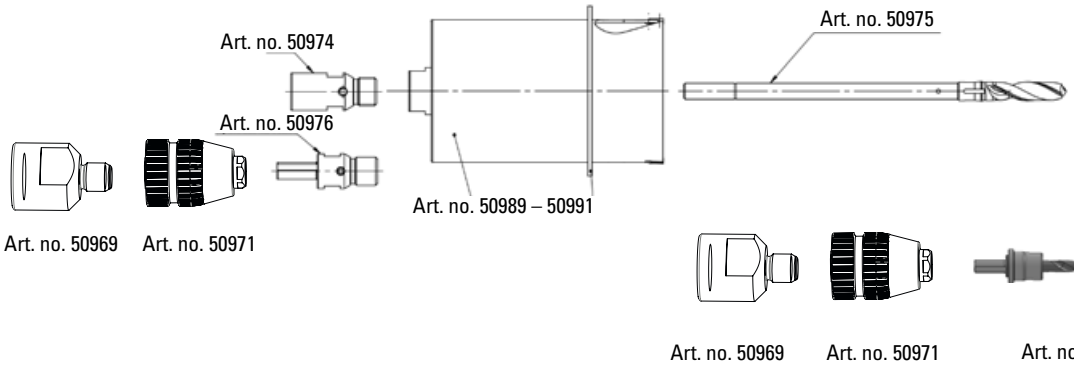


WELDING FIXTURE FOR DRILL RIG 50977

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



HOLE SAW SYSTEM



HOT TAPPING TOOL
for drilling of pipes under pressure

The hot tapping tool (Art. no. 50890) is used for drilling pipes for branche 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.**

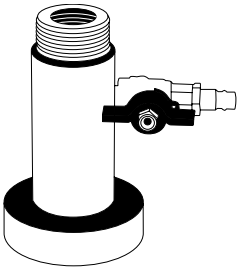
HOT TAPPING TOOL
for weld-on saddle set with ball valve

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



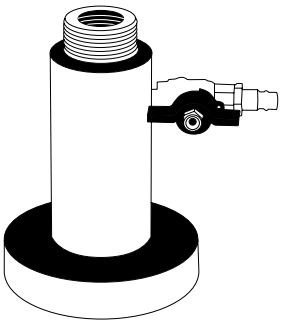
ADAPTER FOR WELD-ON SADDLE SET WITH BALL VALVE 40 MM
for installation under pressure

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



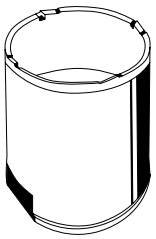
ADAPTER FOR WELD-ON SADDLE SET WITH BALL VALVE 63 MM
for installation under pressure

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



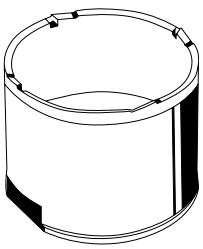
PP-MILLING CUTTER FOR WELD-ON SADDLE SET WITH BALL VALVE 40 MM
for installation under pressure
for Art. no. 50891

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



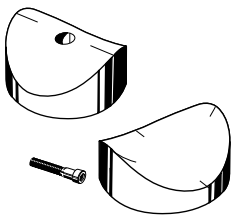
PP-MILLING CUTTER FOR WELD-ON SADDLE SET WITH BALL VALVE 63 MM
for installation under pressure
for Art. no. 50892

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



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		

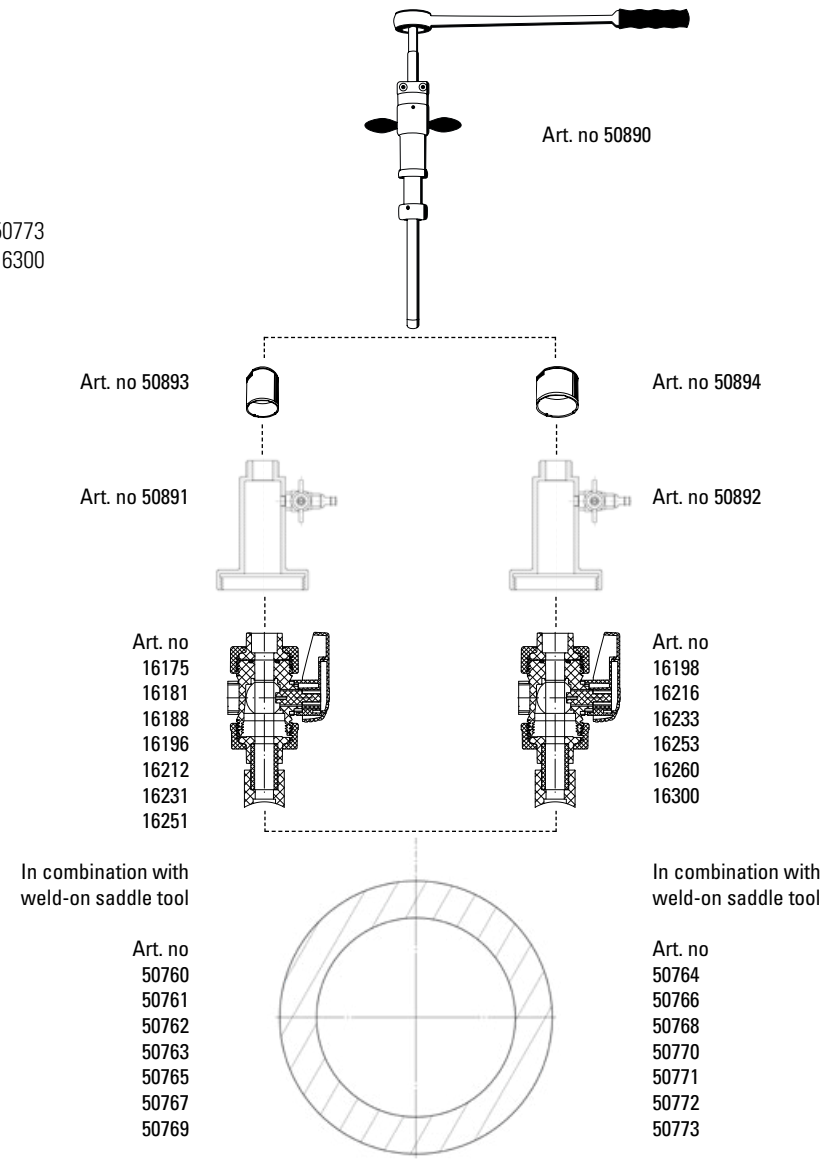
HOT TAPPING TOOL

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. 102)	Art. no. 16175 – 16300



WELDING PROCESS TOOLS AND EQUIPMENT

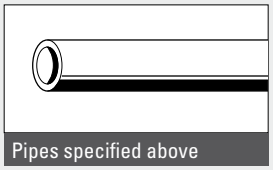
for pipes with additional outer layer/protection layer

aquatherm green pipe SDR 7.4/9 MF UV
aquatherm blue pipe SDR 7.4/11/17.6 MF UV & SDR 7.4/11 MF OT

PIPES & FITTINGS	CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING

1. SOCKET WELDING 16 – 125 mm

1

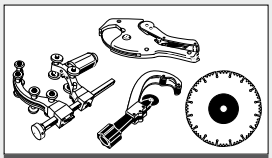


Pipes specified above

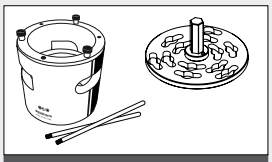


from p. 25

Socket welding fittings



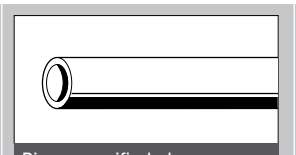
Pipe cutter p.92,118
50104 ø 16 – 40 mm
Pipe cutter p. 92
50102/50105/50106 ø 16 – 200 mm
Cutting disc p. 92
50107 ø 125 mm/50109 ø 230 mm



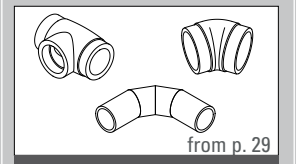
Universal peeling tool p. 95
50479 – 50488
20 – 125 mm (16 mm on request)
+ (opt.) Attachment plate* p. 96
50499/50500

2. BUTT WELDING 160 – 630 mm

2

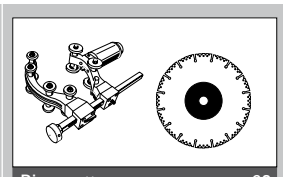


Pipes specified above

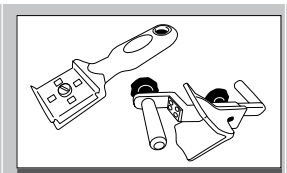


from p. 29

Butt welding fittings



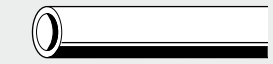
Pipe cutter p. 92
50106 ø 110 – 200 mm
Orbital circular saw p. 92
50108 ø 160 – 355 mm
Cutting disc p. 92
50107 ø 125 mm/50109 ø 230 mm



Scraper/Chamfering tool
for OT pipes p. 97
50509
99909
Cutter **for UV-pipes**
not available with aquatherm!

3. SADDLE WELDING 20 – 160 mm

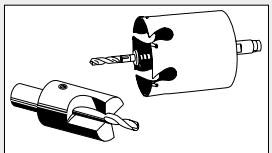
3





from p. 43

Weld-in saddles

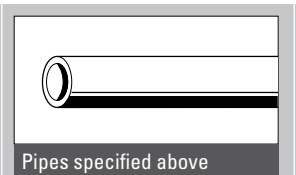


Drill p. 100
50940 – 50948 50987 – 50991
20 – 63 mm 75 – 315mm
**From 50 mm we recommend the application of drill presses.*

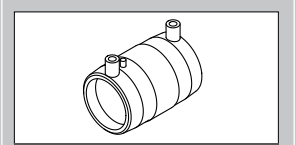
for OT pipes p. 100
Saddle welding tools *
50921 – 50928 for ø 50 – 125 mm
50421 – 50428 for ø 160 – 250 mm

4. ELECTROFUSION SOCKET WELDING 20 – 125 mm

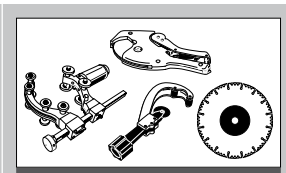
4



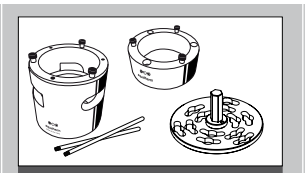
Pipes specified above



Electrofusion sockets p. 53

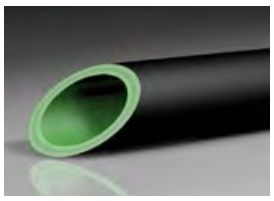


Pipe cutter p. 92,118
50104 ø 16 – 40 mm
Pipe cutter p. 92
50102/50105/50106 ø 16 – 200 mm
Cutting disc p. 92
50107 ø 125mm/50109 ø 230mm

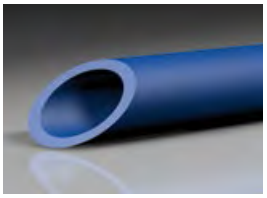


Universal peeling tool p. 95
50479 – 50488 for ø 20 – 125 mm
+ Extension p. 96
50489 – 50498
+ (opt.) Attachment plate* p. 96
50499/50500

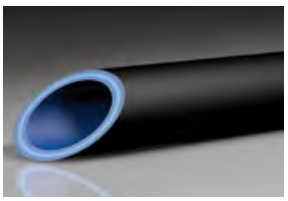
PIPES & FITTINGS	CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING



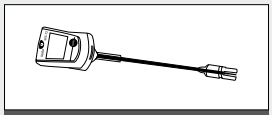
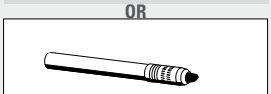
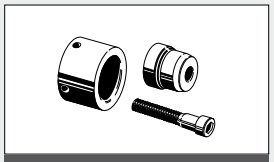
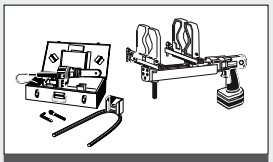
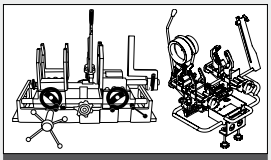
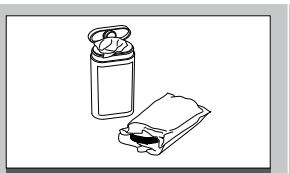
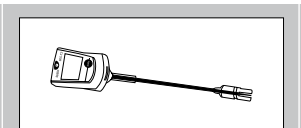
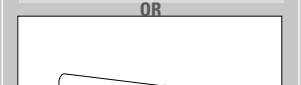
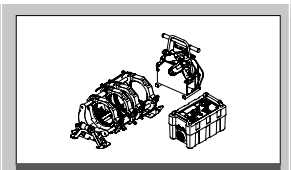
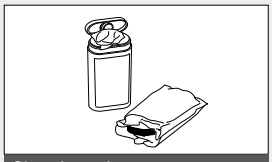
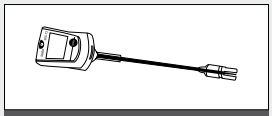
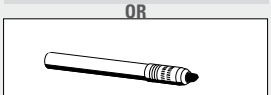
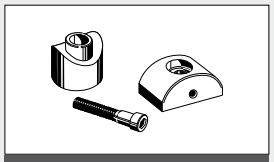
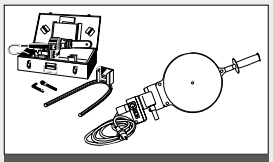
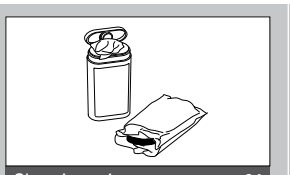
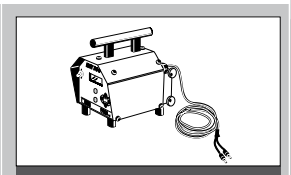
aquatherm green pipe
SDR 7.4/9 MF UV
Page 17



aquatherm blue pipe
SDR 7.4/11 MF OT
Page 23



aquatherm blue pipe
SDR 7.4/11/17.6 MF UV
Page 22

CLEANING	MEASUREMENT OF TEMPERATURE	WELDING TOOLS	MANUAL WELDING DEVICES OR	WELDING MACHINES
1				
 Cleaning wipes p. 94 50193	 Surface thermometer p. 94 50188 OR  Temperature pencil p. 94 50190	 Welding tools p. 94 50206 – 50226	 Manual welding device p. 92 50336 ø 16 – 32 mm 50337 ø 16 – 63 mm 50341 ø 50 – 125 mm (opt.) Electric welding jig p. 93 50161 for ø 63 – 125 mm	 Welding machine p. 93 50148 for ø 50 – 125 mm Welding machine Light p. 93 50145 for ø 63 – 125 mm
2				
 Cleaning wipes p. 94 50193	 Surface thermometer p. 94 50188 OR  Temperature pencil p. 94 50190			 Butt-welding two-ring machine p. 93 50350 – 50351 ø 160 – 315 mm Butt welding machine p. 93 / 94 50352 – 50357 ø 160 – 630 mm 50165 – 50177 ø 160 – 630 mm
3				
 Cleaning wipes p. 94 50193	 Surface thermometer p. 94 50188 OR  Temperature pencil p. 94 50190	 Saddle welding tools p.98 50614 – 50746	 Manual welding device p. 92 50336 ø 16 – 32 mm 50337 ø 16 – 63 mm 50341 ø 50 – 125 mm 50330 ø 50 – 160 mm	
4				
 Cleaning wipes p. 94 50193				 Electrofusion device p. 94 50175 ø 20 – 250 mm

CLEANING | MEASUREMENT OF TEMPERATURE | WELDING TOOLS | MANUAL WELDING DEVICES OR | WELDING MACHINES

* in combination with a drilling machine (not included!)

WELDING PROCESS TOOLS AND EQUIPMENT

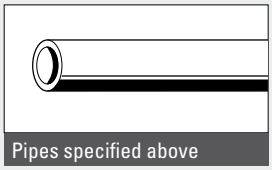
for pipes without additional outer layer/protection layer

aquatherm green pipe SDR 6/7.4/11 S & SDR 7.4 MF & SDR 9 MF RP
aquatherm blue pipe SDR 11 S & SDR 7.4/11/17.6 MF

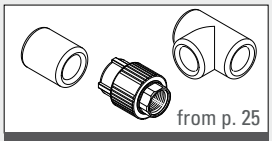
PIPES & FITTINGS	CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING

1. SOCKET WELDING 16 – 125 mm

1

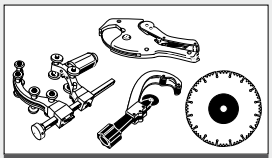


Pipes specified above



from p. 25

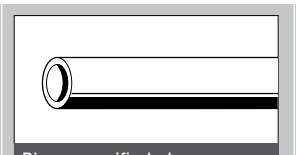
Socket welding fittings



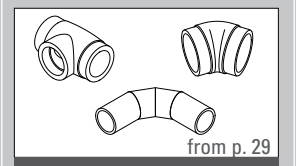
Pipe cutter p.92,118
50104 ø 16 – 40 mm
Pipe cutter p. 92
50102/50105/50106 ø 16 – 200 mm
Cutting disc p. 92
50107 ø 125 mm/50109 ø 230 mm

2. BUTT WELDING 160 – 630 mm

2

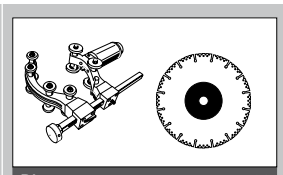


Pipes specified above



from p. 29

Butt welding fittings



Pipe cutter p. 92
50106 ø 110 – 200 mm
Orbital circular saw p. 92
50108 ø 160 – 355 mm
Cutting disc p. 92
50107 ø 125 mm/50109 ø 230 mm

3. SADDLE WELDING 20 – 160 mm

3

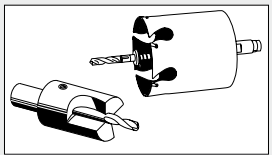


Pipes specified above



from p. 43

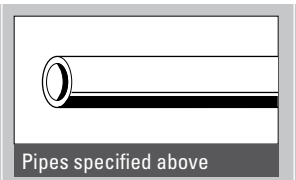
Weld-in saddles



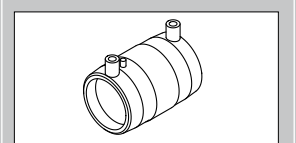
Drill p. 100
50940 – 50948 50987 – 50991
20 – 63mm 75 – 315mm
From 50 mm we recommend the application of drill presses.

4. ELECTROFUSION SOCKET WELDING 20 – 250 mm

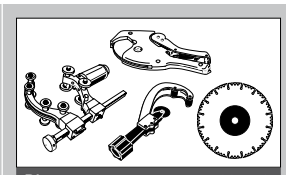
4



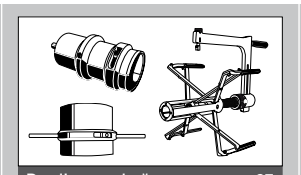
Pipes specified above



Electrofusion sockets p. 53

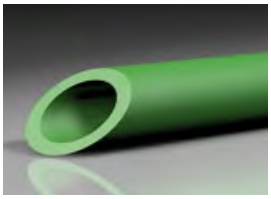


Pipe cutter p.92,118
50104 ø 16 – 40 mm
Pipe cutter p. 92
50102/50105/50106 ø 16 – 200 mm
Cutting disc p. 92
50107 ø 125 mm/50109 ø 230 mm

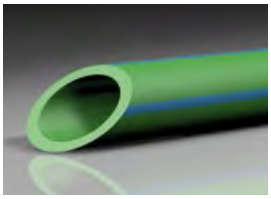


Peeling tools * p. 97
50558 – 50572
20 – 90 mm
Manual peeling tools p. 97
50574 – 50592
110 – 250 mm

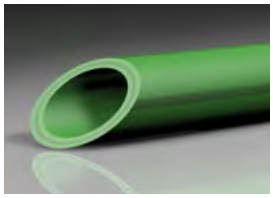
PIPES & FITTINGS	CUTTING	PEELING	DRILLING	SADDLE PEELING / CHAMFERING



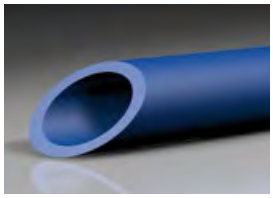
aquatherm green pipe
SDR 6/7,4 S
Page 18



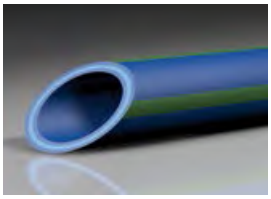
aquatherm green pipe
SDR 11 S
Page 19



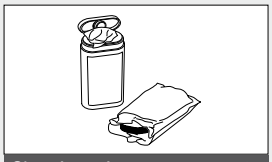
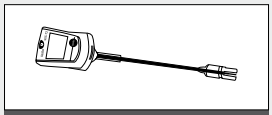
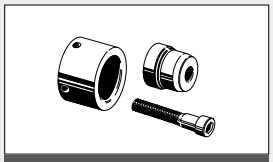
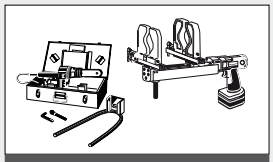
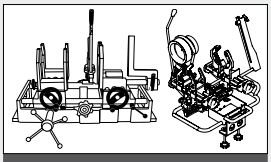
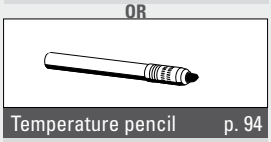
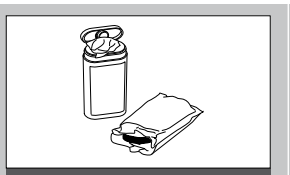
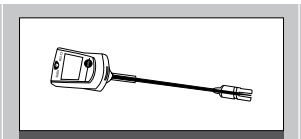
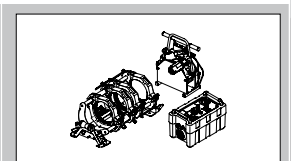
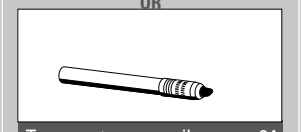
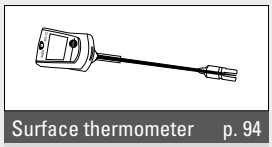
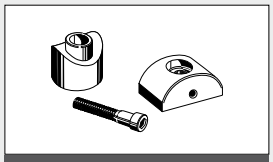
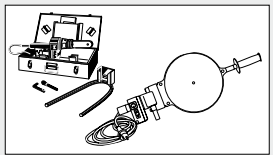
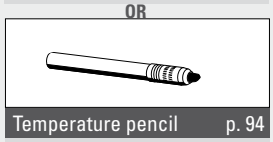
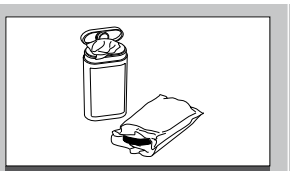
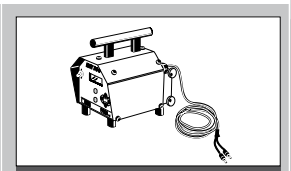
aquatherm green pipe
SDR 7,4 MF / SDR 9 MF RP
Page 15



aquatherm blue pipe
SDR 11 S
Page 23



aquatherm blue pipe
SDR 7,4/11/17,6 MF
Page 21

CLEANING	MEASUREMENT OF TEMPERATURE	WELDING TOOLS	MANUAL WELDING DEVICES OR	WELDING MACHINES
1				
				
Cleaning wipes p. 94	Surface thermometer p. 94	Welding tools p. 94	Manual welding device p. 92	Welding machine p. 93
50193	50188	50206 – 50226	50336 ø 16 – 32 mm	50148 for ø 50 – 125 mm
	OR		50337 ø 16 – 63 mm	Welding machine Light p. 93
			50341 ø 50 – 125 mm	50145 for ø 63 – 125 mm
	Temperature pencil p. 94		(opt.) Electric welding jig p. 91	
	50190		50161 for ø 63 – 125 mm	
2				
				
Cleaning wipes p. 94	Surface thermometer p. 94			Butt-welding two-ring machine p. 93
50193	50188			50350 – 50351 ø 160 – 315 mm
	OR			Butt-welding machine p. 93 / 94
				50352 – 50357 ø 160 – 630 mm
	Temperature pencil p. 94			50165 – 50177 ø 160 – 630 mm
	50190			
3				
				
Cleaning wipes p. 94	Surface thermometer p. 94	Saddle welding tools p.98	Manual welding device p. 92	
50193	50188	50614 – 50746	50336 ø 16 – 32 mm	
	OR		50337 ø 16 – 63 mm	
			50341 ø 50 – 125 mm	
	Temperature pencil p. 94		50330 ø 50 – 160 mm	
	50190			
4				
				
Cleaning wipes p. 94				Electrofusion device p. 94
50193				50175 ø 20 – 250 mm

CLEANING | MEASUREMENT OF TEMPERATURE | WELDING TOOLS | MANUAL WELDING DEVICES OR | WELDING MACHINES

* in combination with a drilling machine (not included!)

SLIDING SLEEVE TECHNOLOGY TOOLS AND EQUIPMENT

aquatherm grey pipe
Multi-layer metal composite pipe 16 – 32 mm

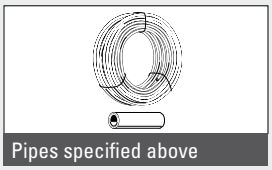
aquatherm orange system
PE-RT-pipe 16 – 25 mm

aquatherm black system
Drywall-heating element
with sliding sleeve connection

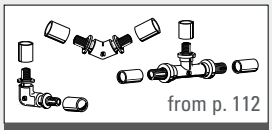
PIPES & FITTINGS | FALSE JAWS | EXPANDING | TOOL INSERTS | MOUNTING

1. MANUAL ASSEMBLY **MULTI-LAYER METAL COMPOSITE PIPE** 16 – 40 mm

1

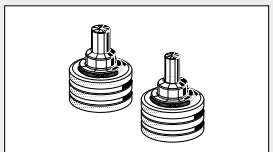


Pipes specified above



from p. 112

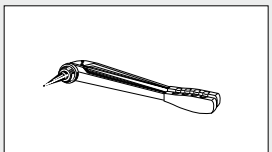
Fittings with sliding sleeves



False jaws p. 119

50857 – 50862

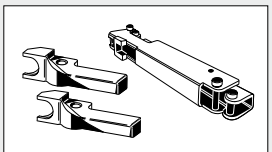
ø 16 – 32 mm



Expanding tool p. 118

50800

ø 10 – 40 mm

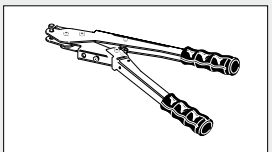


Tool insert p. 119

50825 – 50832 for ø 14 – 32 mm

+(opt.) Angle attachment p.119

50803



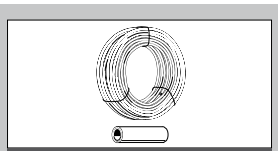
Mounting tool p. 119

50802

ø 10 – 40 mm

2. MACHINE ASSEMBLY **MULTI-LAYER METAL COMPOSITE PIPE** 16 – 40 mm

2

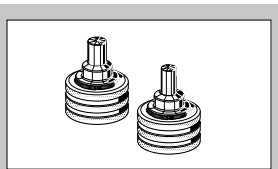


Pipes specified above



from p. 112

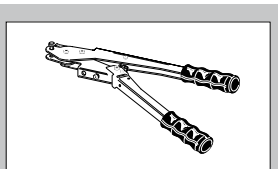
Fittings with sliding sleeves



False jaws p. 119

50857 – 50862

ø 16 – 32 mm



Mounting tool p. 119

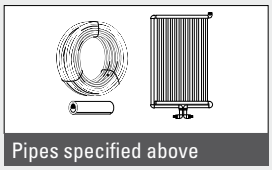
50802

ø 10 – 40 mm

PIPES & FITTINGS | FALSE JAWS | EXPANDING | TOOL INSERTS | MOUNTING

3. MANUAL ASSEMBLY **PE-RT-PIPE** 10 – 25 mm, **DRY WALL HEATING ELEMENT** sliding sleeve connection

3

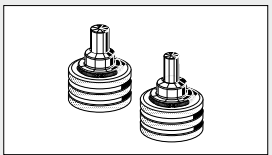


Pipes specified above



from p. 112

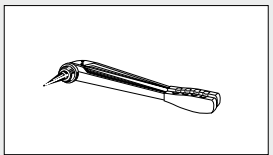
Fittings with sliding sleeves



False jaws p. 99

50815 – 50820

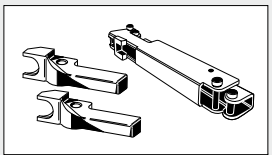
ø 14 – 25 mm



Expanding tool p. 118

50800

ø 10 – 40 mm

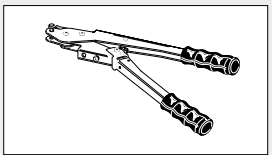


Tool insert p. 119

50825 – 50832 for ø 14 – 42 mm

+(opt.) Angle attachment p.119

50803



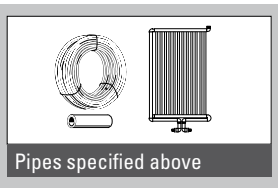
Mounting tool p. 119

50802

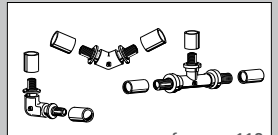
ø 10 – 40 mm

4. MACHINE ASSEMBLY **PE-RT PIPE** 10 – 25 mm, **DRY WALL HEATING ELEMENT** sliding sleeve connection

4

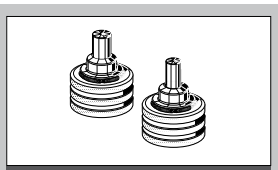


Pipes specified above



from p. 112

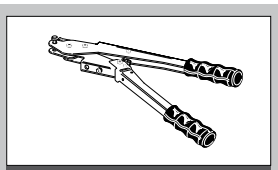
Fittings with sliding sleeves



False jaws p. 119

50815 – 50820

ø 14 – 25 mm



Mounting tool p. 119

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 multilayer 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

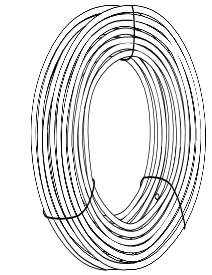
Fields of application



aquatherm grey pipe **MULTILAYER-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		





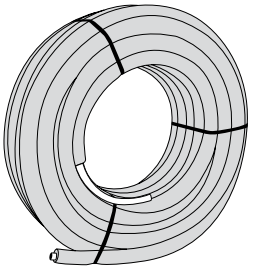
Material:	PE-X	Application field:	Potable water/heating
Color:	white	Operating temperature:	70 °C
Form supplied:	ring/straight length	DVGW-Registr.-No.:	DW-8216 BT0628 DW-8217 AT2505
		According to:	DIN 4726 oxygen-tight

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

aquatherm grey pipe **MULTILAYER-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		

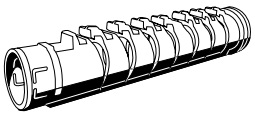


Material:	PE-X	Application field:	Potable water/heating
Color:	white	DVGW-Registr.-No.:	DW-8216 BT0628 DW-8217 AT2505
Form supplied:	ring	According to:	DIN 4726 oxygen-tight
Operating temperature:	70 °C	Thermal conductivity of insulation	0,040 W/mK
		Insulation thickness:	10 mm

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

aquatherm grey pipe **SNAP IN RADIUS SUPPORT**

Art. no.	for pipe dimensions	PU	Box unit	Price € pc
79566	16 & 17mm	25	325	

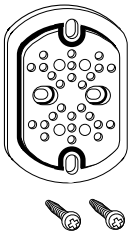


Material:	PE
Colour:	black

aquatherm grey pipe **SOUND INSULATION PLATE**

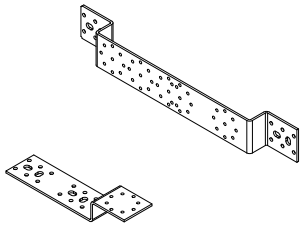
for aquatherm green pipe and aquatherm grey pipe back plate elbow

Art. no.	Dimension	PU	Box unit	Price € pc
79080		2	50	



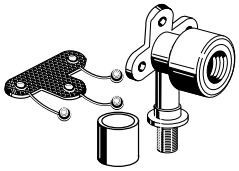
See Z-measures, page 54.

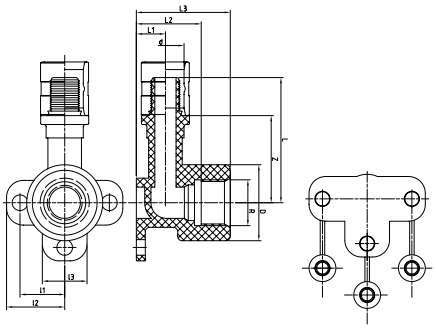
MOUNTING RAIL (TWIN)



Art. no.	Dimension	PU	Box unit	Price € pc
79095	twin	2	20	

galvanized, for fixing of back plate
See Z-measures, page 55.





aquatherm grey pipe BACK PLATE ELBOW

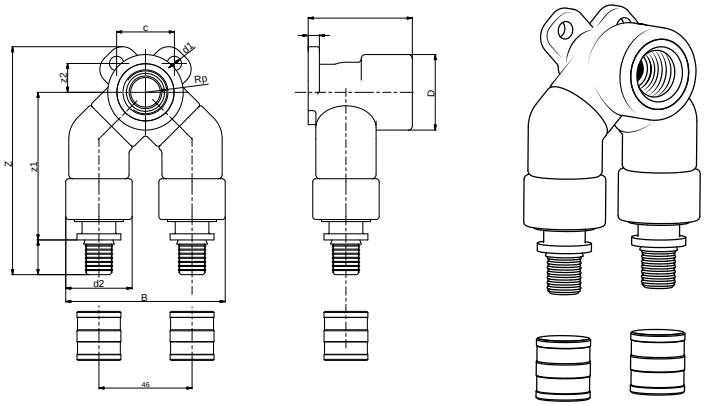
including sliding sleeve – for aquatherm grey pipe Art. no. 777050 … 777072

Art. no.	d [mm]	R	D [mm]	Z [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	l1 [mm]	l2 [mm]	l3 [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 acustic panel (PP)
proper to sound insulation plate Art. no. 79080

PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW

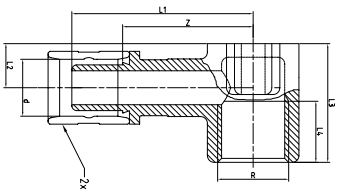
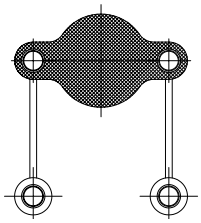
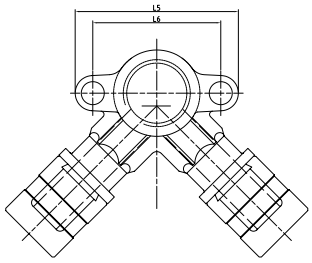
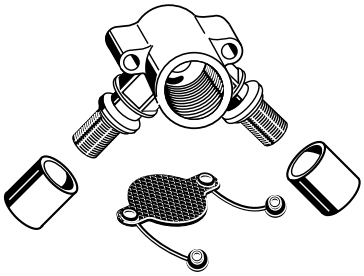




aquatherm grey pipe FLOW-THROUGH BACK PLATE ELBOW, PARALLEL

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		

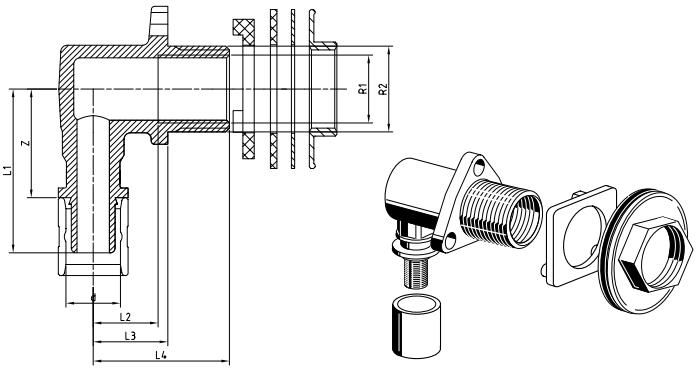





aquatherm grey pipe **BACK PLATE ELBOW, TWIN**

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)

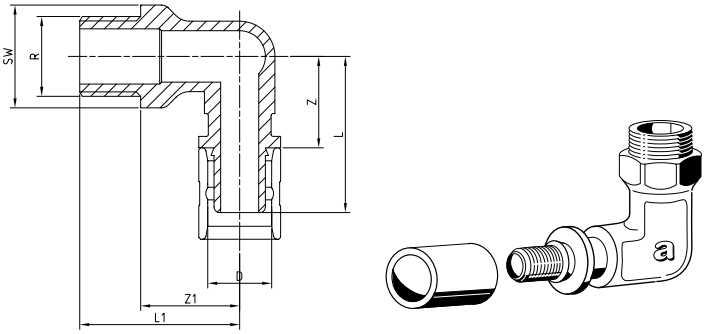


aquatherm grey pipe **CONNECTING ELBOW FOR CONCEALED CISTERN**

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

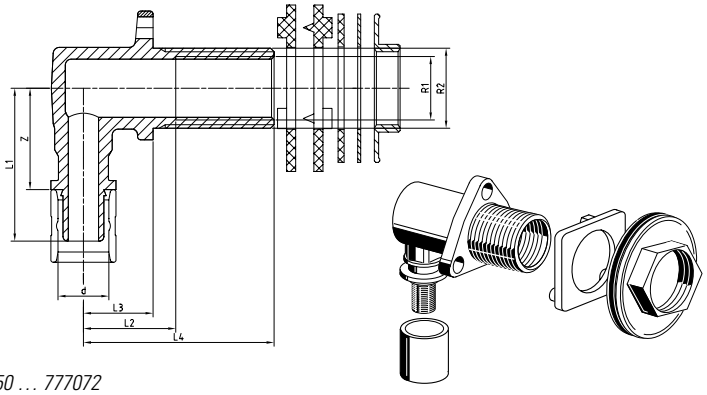


aquatherm grey pipe **TRANSITION ELBOW**

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

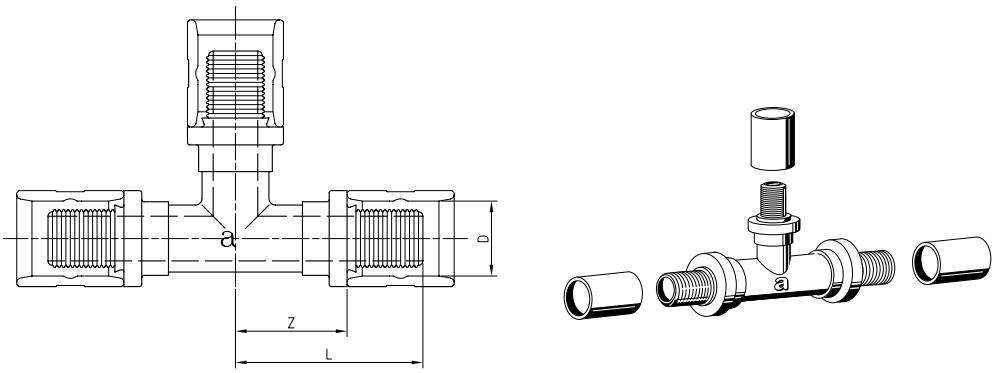


aquatherm grey pipe **CONNECTING ELBOW**

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

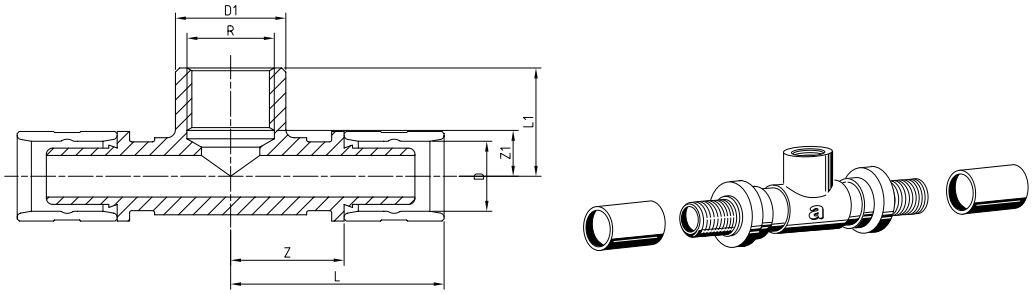


aquatherm grey pipe **TEE**

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

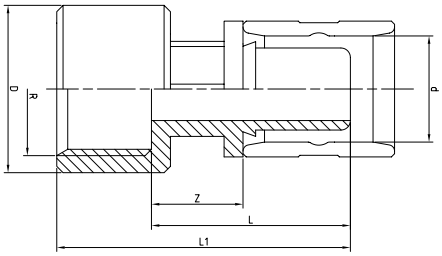


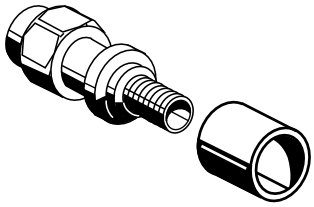
aquatherm grey pipe **TEE WITH FEMALE THREAD**

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



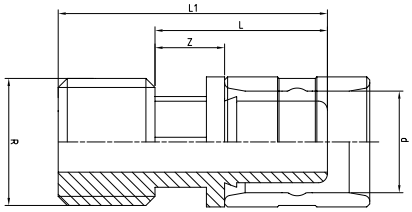


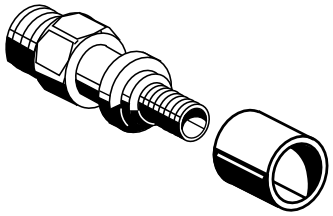
aquatherm grey pipe **TRANSITION PIECE**

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



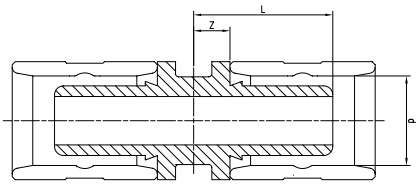


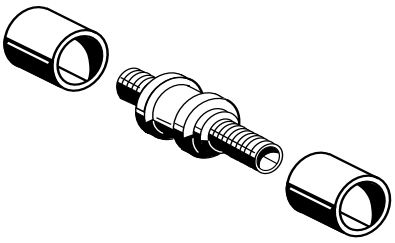
aquatherm grey pipe **TRANSITION PIECE**

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



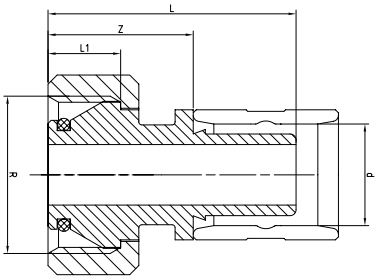


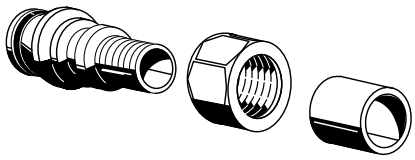
aquatherm grey pipe **COUPLING**

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



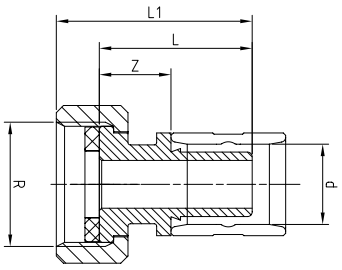


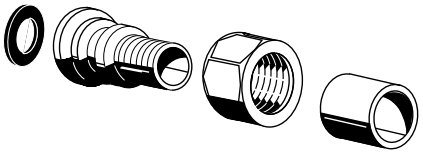
aquatherm grey pipe **EUROCONUS ADAPTER**

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



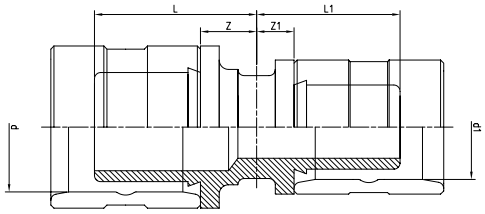


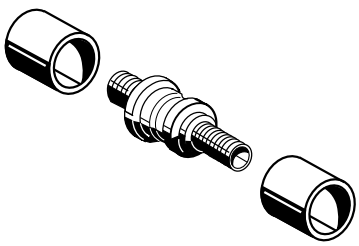
aquatherm grey pipe **TRANSITION SCREW JOINT**

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



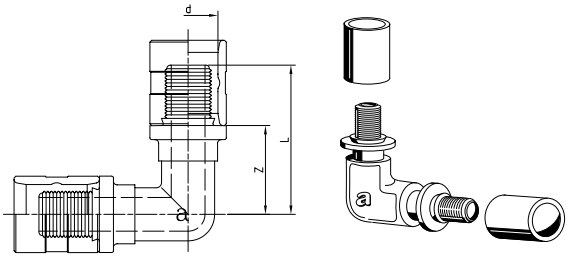


aquatherm grey pipe **REDUCING COUPLING**

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



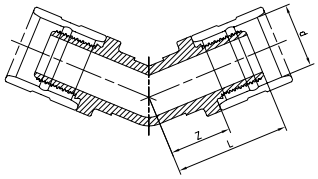
aquatherm grey pipe **ELBOW 90°**

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





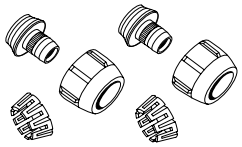
aquatherm grey pipe **ELBOW 45°**

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	

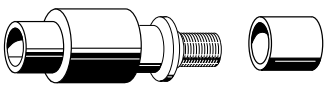
Material: PPSU/brass

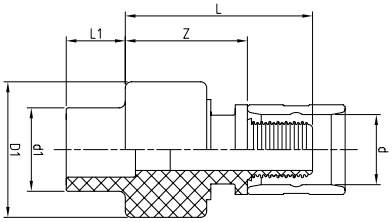
aquatherm grey pipe **COMPRESSION FITTING**



Art. no.	Dimension	PU	Box unit	Price € pc
79610	for ø 16 mm	2	80	

Material: brass





aquatherm grey pipe **ADAPTER**

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

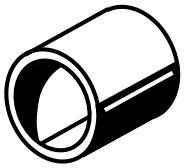
Art. no.	Dimension	d1 [mm]	d [mm]	D1 [mm]	Z [mm]	L [mm]	L1 [mm]	PU	Price € m/pc
778300	aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm	**20**	**16**	32,5	30,0	46,0	14,5	2	
778302	aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm	**20**	**20**	34,5	30,0	47,0	11,0	2	
778304	aquatherm green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

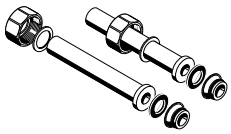
Material: brass



aquatherm grey pipe **RADIATOR CONNECTION SET**

Art. no.	Dimension	PU	Box unit	Price € pc
83006	16 mm with screw nut G 3/4"	1	25	

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

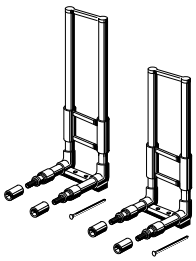


aquatherm grey pipe **CONNECTING BEND**

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

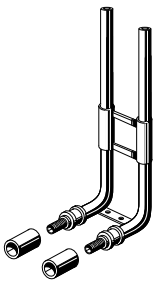


aquatherm grey pipe **METAL CONNECTING BEND**

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	

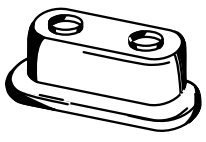
with sliding sleeve connection including
sliding sleeves. Pipe spacing: 50 mm
Material: copper nickel-plated



aquatherm grey pipe **DOUBLE ROSETTE, RETRACTABLE**

Art. no.	Dimension	PU	Box unit	Price € pc
79550	for Ø up to 17,5 mm	5	400	

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



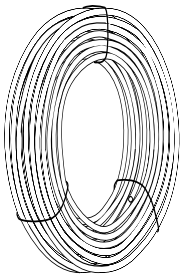
ATTENTION

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/straight lengths	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

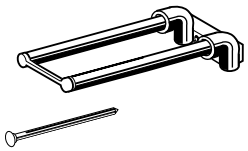
Art. no.	Dimension [mm]	PU	Box unit	Price € pc
79990	16	10	400	
79992	20	10	300	
79994	25	10	200	



Material: brass

aquatherm grey pipe CONNECTING BEND

Art. no.	Dimension	PU	Box unit	Price € pc
85121	16x2,0mm	1	100	

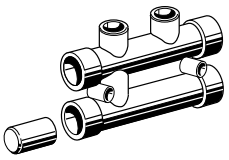


Length: 200 mm
Including 1 fastening plug
Material: PP-R
Colour: white
Suitable distances for fixing at the welding device (Art. no. 50337) are available

aquatherm grey pipe DISTRIBUTION BLOCK

for skirting or floor installation

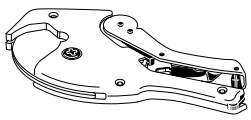
Art. no.	Dimension	PU	Box unit	Price € pc
85123	20/16mm	1	15	



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

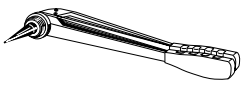
Art. no.	Dimension	PU	Box unit	Price € pc
50103	up to Ø 25 mm	1	10	
50104	for pipes Ø 16 - 40 mm	1	30	



for aquatherm grey pipe and aquatherm surface heating pipes

aquatherm grey pipe EXPANDING TOOL

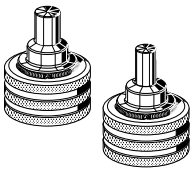
Art. no.	Dimension	PU	Box unit	Price € pc
50800	for ø 10-40mm	1	10	



FALSE JAWS FOR THE AQUATHERM GREY PIPE EXPANDING TOOL

for aquatherm grey pipe PB-pipes

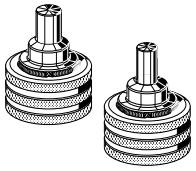
Art. no.	Dimension	PU	Box unit	Price € pc
50815	14 mm	1	30	
50817	16 & 20mm	1	30	
50820	25 mm	1	30	



FALSE JAWS FOR THE AQUATHERM GREY PIPE EXPANDING TOOL

for aquatherm grey pipe multi-layer metal composite pipes

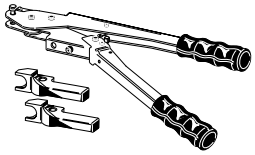
Art. no.	Dimension	PU	Box unit	Price € pc
50857	16 & 20mm	1	30	
50860	25 mm	1	30	
50862	32 mm	1	30	



aquatherm grey pipe MOUNTING TOOL

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

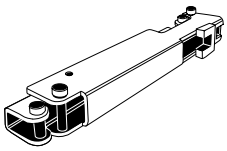
with tools for ø 16 and 20 mm, for the mechanical sliding sleeve connection



aquatherm grey pipe ANGLE ATTACHMENT

for aquatherm grey pipe mounting tool Art. no. 50802

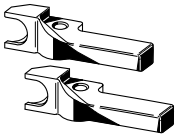
Art. no.	Dimension	PU	Box unit	Price € pc
50803		1	14	



aquatherm grey pipe TOOL INSERT

for aquatherm grey pipe mounting tool Art. no. 50802

Art. no.	Dimension	PU	Box unit	Price € pc
50825	14 mm	1	50	
50826	16/17mm	1	40	
50828	20mm	1	30	
50830	25mm	1	25	
50832	32 mm	1	20	



aquatherm grey pipe TOOL CASE

multi-layer metal composite pipe

Art. no.	Dimension	PU	Box unit	Price € pc
50805	for ø 16-20 mm	1	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 108



aquatherm black system

HEATING AND COOLING SYSTEM FOR CEILING, WALL AND FURTHER APPLICATIONS

An individual´s satisfaction and efficiency directly depends on the climatic conditions of its surroundings. The working efficiency decreases with increasing temperature and the costs rise with each 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, but also increasingly in housing construction, aquatherm pipe grids have become increasingly more popular for heating and cooling of ceilings and walls. The ingenious aquatherm black system delivers pleasant room conditions without noise and draughts.

aquatherm black system – due to its slim construction- fits tight below the plaster layer or behind 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*
- *Noiseless*
- *Dust reduction*
- *Simple control technique*
- *Thermal properties of the building are enhanced*
- *System extendable*
- *Quick installation thanks to high degree of prefabrication*
- *Even temperature distribution*
- *Safe connection techniques by thermal fusion/Pushfit connection for ceiling elements*
- *Oxygen barrier*
- *Minimal construction thickness*
- *Greater architectural design freedom*
- *Energy saving*
- *Suitable as plaster base for ceiling suspension*

The effect of the aquatherm black system is to heat or cool the surface of wall or ceiling where it is installed behind by a few degrees below or above the ambient temperature. By radiation exchange with the surfaces, the temperatures of the room and furnishings change. The total power is achieved by 2/3 radiation and 1/3 convection. The heat transfer rate is determined by the difference between ambient temperature and average surface temperature – high difference – high heat transfer. As the size of the aquatherm black system matches exactly the size of the metal panels, any inactive ceiling surfaces can be combined.

Further information regarding the aquatherm black system can be found in our aquatherm black system catalog (Order No. E978060) an in our brochure (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 /superstructures 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

Frequence (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						
α_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

Frequence (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						
α_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

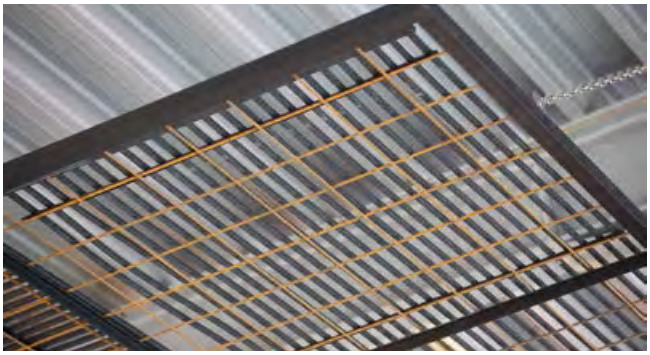
In free convection, the heating and cooling grids lie on a "permeable" substructure, which allows unrestricted circulation. The custom-made aquatherm black system grids are placed on the substructure and are fixed, if necessary.

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*

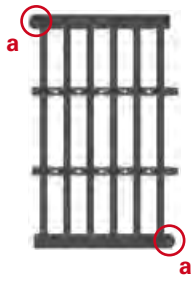
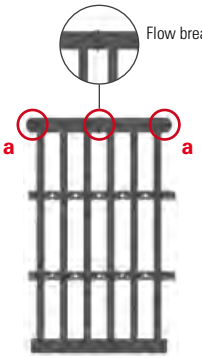
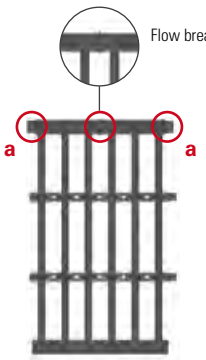




aquatherm black system **HEATING AND COOLING GRIDS**

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**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

Connection types of the grids 52	62	64	Art. no.	Wide/ m	Length/ m	Area/ m^2	PU	Price € pc
			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	
 Detail of connection **a**	 Detail of connection **a**	 Detail of connection **a**						
Connection type 52 = Plug connection 90° top left, lower right **a Plug socket 16 mm**	**Connection type 62 = Plug connection 90° left, right** **a Plug socket 16 mm**	**Connection type 64 = welded connection left, right** **a Welding socket 16 mm**	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.

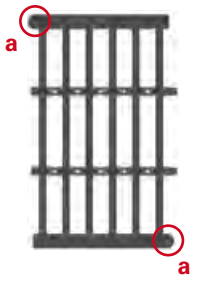
aquatherm black system **HEATING AND COOLING GRIDS**

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**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

Connection types of the grids

52





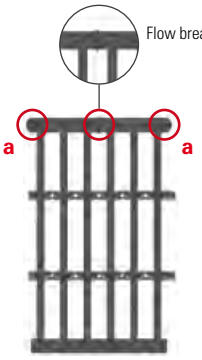
Detail of connection **a**

Connection type 52 = Plug connection 90° top left, lower right

a Plug socket 16 mm



62





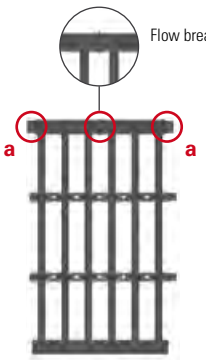
Detail of connection **a**

Connection type 62 = Plug connection 90° left, right

a Plug socket 16 mm



64





Detail of connection **a**

Connection type 64 = welded connection left, right

a Welding socket 16 mm



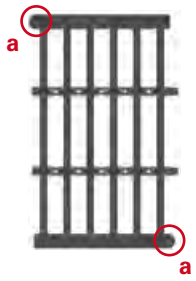
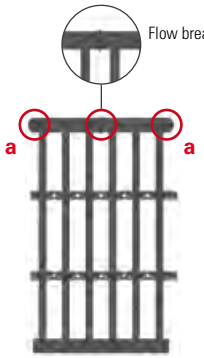
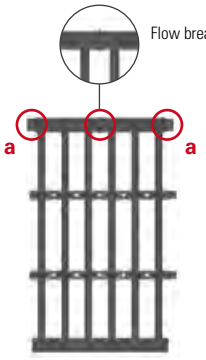
Art. no.	Wide/ m	Length/ m	Area/ m^2	PU	Price € pc
52**32040**	0,32	0,40	0,13	1	
52**32050**	0,32	0,50	0,16	1	
52**32060**	0,32	0,60	0,19	1	
52**32070**	0,32	0,70	0,22	1	
52**32080**	0,32	0,80	0,26	1	
52**32090**	0,32	0,90	0,29	1	
52**32100**	0,32	1,00	0,32	1	
52**32120**	0,32	1,20	0,38	1	
52**32140**	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**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

Connection types of the grids 52	62	64	Art. no.	Wide/ m	Length/ m	Area/ m^2	PU	Price € pc
			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	
								
Detail of connection **a**	Detail of connection **a**	Detail of connection **a**						
			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	
Connection type 52 = Plug connection 90° top left, lower right	**Connection type 62 = Plug connection 90° left, right**	**Connection type 64 = welded connection left, right**	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	
a Plug socket 16 mm	**a Plug socket 16 mm**	**a Welding socket 16 mm**	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.

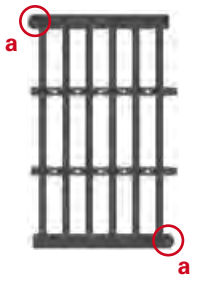
aquatherm black system **HEATING AND COOLING GRIDS**

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**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

Connection types of the grids

52





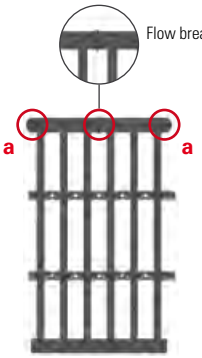
Detail of connection **a**

Connection type 52 = Plug connection 90° top left, lower right

a Plug socket 16 mm



62





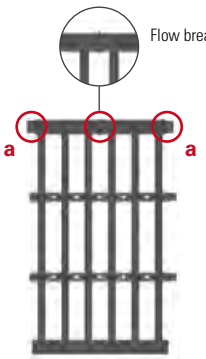
Detail of connection **a**

Connection type 62 = Plug connection 90° left, right

a Plug socket 16 mm



64





Detail of connection **a**

Connection type 64 = welded connection left, right

a Welding socket 16 mm



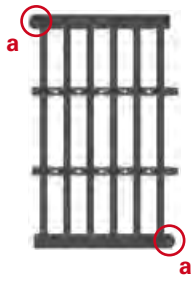
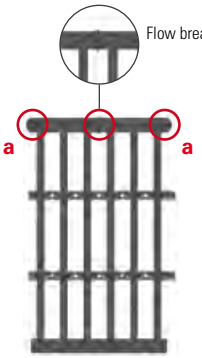
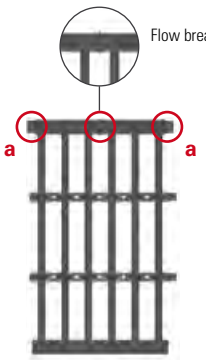
Art. no.	Wide/ m	Length/ m	Area/ m^2	PU	Price € pc
52**52040**	0,52	0,40	0,21	1	
52**52050**	0,52	0,50	0,26	1	
52**52060**	0,52	0,60	0,31	1	
52**52070**	0,52	0,70	0,36	1	
52**52080**	0,52	0,80	0,42	1	
52**52090**	0,52	0,90	0,47	1	
52**52100**	0,52	1,00	0,52	1	
52**52120**	0,52	1,20	0,62	1	
52**52140**	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**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

Connection types of the grids 52	62	64	Art. no.	Wide/ m	Length/ m	Area/ m^2	PU	Price € pc
			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	
 Detail of connection **a**	 Detail of connection **a**	 Detail of connection **a**						
Connection type 52 = Plug connection 90° top left, lower right	**Connection type 62 = Plug connection 90° left, right**	**Connection type 64 = welded connection left, right**	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	
a Plug socket 16 mm	**a Plug socket 16 mm**	**a Welding socket 16 mm**						
								

Special sizes and lengths up to 5.0 m on request.

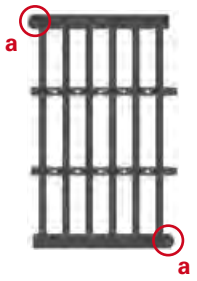
aquatherm black system **HEATING AND COOLING GRIDS**

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**"xxxxx) with those of the required type of connection (i. e. „**62**" or „**64**").

Connection types of the grids

52





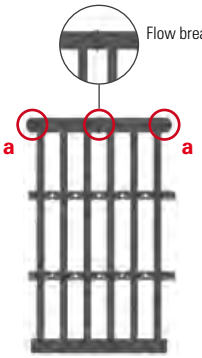
Detail of connection **a**

Connection type 52 = Plug connection 90° top left, lower right

a Plug socket 16 mm



62





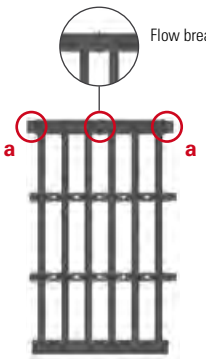
Detail of connection **a**

Connection type 62 = Plug connection 90° left, right

a Plug socket 16 mm



64





Detail of connection **a**

Connection type 64 = welded connection left, right

a Welding socket 16 mm



Art. no.	Wide/ m	Length/ m	Area/ m^2	PU	Price € pc
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	
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 = 0,34m²	62,5x62,5cm	1	
6256118	56x118cm = 0,66m²	62,5x125cm	1	



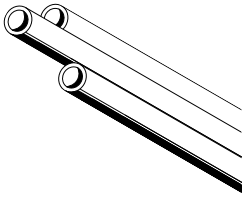
Forced flow by in-centre welded blind plug in the main pipe, which offers a one-side connection of the grids among each other.

Special size on request!

aquatherm black system **PP-GRID CONNECTION PIPE**

with oxygen barrier

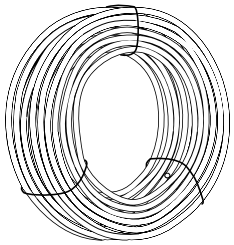
Art. no.	Dimension [mm]	Length [m]	PU	Box unit	Price € m
81006	16	4	100	8000	
81008	20	2,5	50	3500	



aquatherm black system **PP-GRID CONNECTION PIPE**

with oxygen barrier, in ring

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



aquatherm black system **CORRUGATED CONNECTING PIPE**

with oxygen barrier, in ring

Art. no.	Dimension	PU	Box unit	Price € m
81039		50	50	



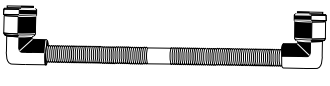
Connectable by welding with Art. 81288, 81290, 81291 separable every 50 cm

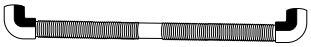
aquatherm black system **CORRUGATED CONNECTING PIPE**

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

Art. no.	Dimension	PU	Box unit	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	25	
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		





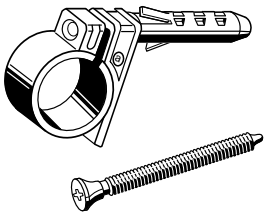




PLASTIC PIPE CLAMPS

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

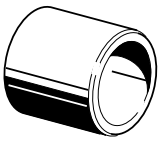
Colour: anthracite



aquatherm black system SOCKET

for heating and cooling grids

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
81050	16	10	300	



aquatherm black system ELBOW 90°

for heating and cooling grids

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
81060	16	10	300	



aquatherm black system END CAP

for heating and cooling grids

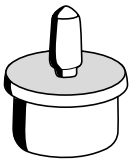
Art. no.	Dimension [mm]	PU	Box unit	Price € pc
81080	16	10	400	



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	Box unit	Price € pc
81065	16	10	250	



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 connenction 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.



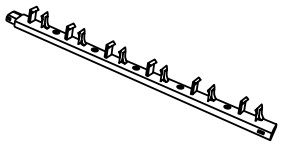
Adhesive and solvent for sticking the aquatherm grids into metal ceiling panels can directly be bought at the manufacturer Wakol GmbH (www.wakol.de). The manufacturer's instructions are to be considered!

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	Box unit	Price € pc
81296		10	250	

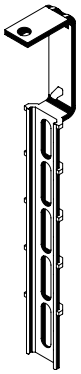


aquatherm black system **FIXING RAIL FOR DRY WALL**

for heating and cooling grids

Art. no.	Dimension	PU	Price € pc
81297		10	

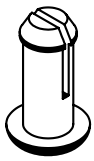
Please note, when ordering the fixing rail for drywall Art. no. 81297, that for each rail two connection plugs with the Art. no. 81301 have to be ordered.



aquatherm black system **CONNECTING PLUG**

Art. no.	PU	Price € pc
81301	1	

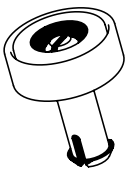
In connection with Art. no. 81297 for fixing the heating-cooling grids in case of ceiling system with metal substructure.
In connection with Art. no. 81304 (perforated tape) for fixing the heating-cooling grids in case of wall systems with metal substructure.



aquatherm black system **MAGNET CLIP**

Art. no.	PU	Price € pc
81302	50	

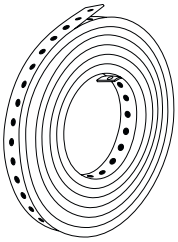
In connection with art. no. 81506 for fixing the heating-cooling grids in case of ceiling systems with metal substructure.



aquatherm black system **PERFORATED TAPE**

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

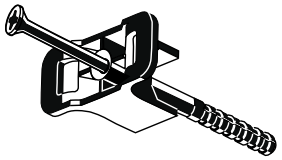
In connection with art. no. 81301 for fixing the heating-cooling grids in case of wall systems with metal substructure.



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

for wall and ceiling installation

Art. no.	Dimension	PU	Box unit	Price € pc
81298		10	600	



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	

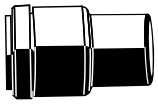


aquatherm black system **CONNECTOR**

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

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
81288	16	20	100	

with safety pin

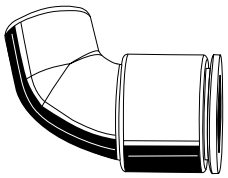


aquatherm black system **90° ELBOW-ADAPTER**

onesided plugable/onesided PP-R 16 mm weldable

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

with safety pin

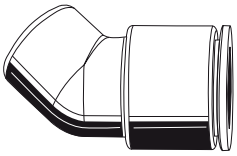


aquatherm black system **45° ELBOW-ADAPTER**

onesided plugable/onesided PP-R 16 mm weldable

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
81291	16	10	100	

with safety pin

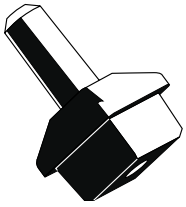


aquatherm black system **SEALING PLUG**

for wall and ceiling grids

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
81091	12	10	1200	

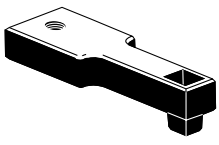
welding tool for sealing plug Art. no. 50285 see tools



aquatherm black system **WELDING TOOL**

Art. no.	Dimension	PU	Box unit	Price € pc
50285	12x12 mm	1	50	

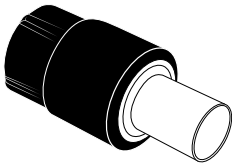
for sealing plug Art. no. 81091



aquatherm black system **TRANSITION ADAPTER**

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

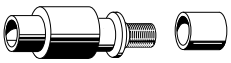
e.g. for connecting existing metal pipes



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

aquatherm has reached a very successful market position in the field of surface heating just after its foundation.

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 APPLIACTION



Flexible sports floor



Open space heating



Industrial floor heating



Chilled area, ice stadium

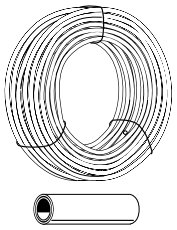


Undersoil pitch heating

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

with oxygen barrier according to DIN 4726/16833

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

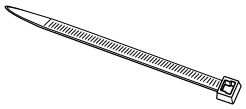


Material: PE-RT with EVOH coating, oxygen barrier according to DIN 4721/4726/16833
Colour: red

aquatherm orange system CABLE TIE

for industrial surface heating

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

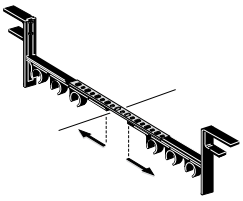


Please note: Packung Unit = 100

aquatherm orange system PIPE GUIDING RAIL

for surface flexible sports floor, adjustable in length and height

Art. no.	Dimension	PU	Box unit	Price € pc
90510	Ø 20 mm	150	100	

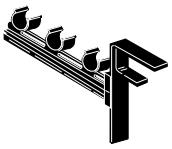


Material: Polyamid

aquatherm orange system END RAIL

for surface flexible sports floor, adjustable in height

Art. no.	Dimension	PU	Box unit	Price € pc
90511	Ø 20 mm	20	300	

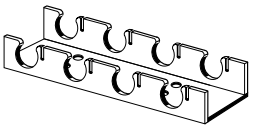


Material: Polyamid

aquatherm orange system PROFILE RAIL

for industrial heating

Art. no.	Dimension	PU	Box unit	Price € m
90518	Ø 20 mm	2	32	



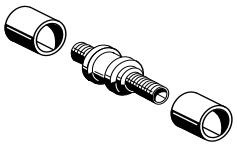
Material: Polyamid

aquatherm orange system **COUPLING**

for PE-RT pipes, including sliding sleeve

Art. no.	Dimension [mm]	PU	Box unit	Price € pc
79210	16	2	100	
79212	20	2	80	

Material: brass

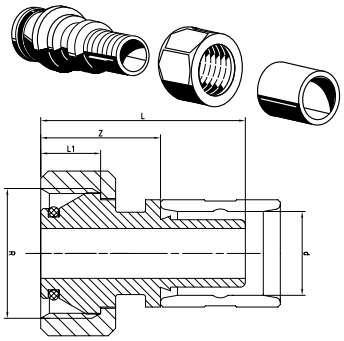


aquatherm grey pipe **EUROCONUS ADAPTER**

including sliding sleeve

Art. no.	d [mm]	R	Z [mm]	L [mm]	L1 [mm]	PU	Box unit	Price € pc
79220	**16**	**G3/4**	24,00	41,00	12,00	2	50	
79222	**20**	**G3/4**	30,00	47,00	15,00	2	50	

Material: brass
for customary manifolds/joints

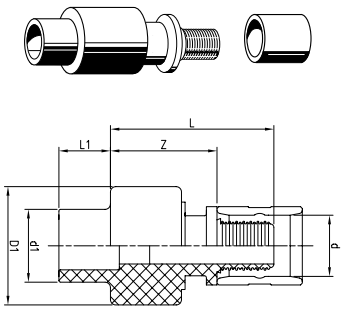


aquatherm orange system **ADAPTER**

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	Box unit	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	80	
78302	aquatherm green pipe 20 mm x aquatherm orange system 20 mm	**20**	**20**	34,5	30,0	47,0	11,0	2	60	

Material: PP-R/brass

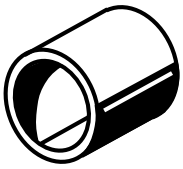


aquatherm grey pipe SPARE SLIDING SLEEVE

for PB pipes

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

Material: brass

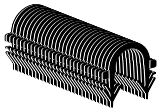


aquatherm PIPE CLAMP

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Box unit	Price € pc
90504	ø 14-20 mm tacker	500	5000	

for aquatherm orange system underfloor heating pipes
Material: Polyamid





aquatherm TACKER

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Box unit	Price € pc
96003		1	1	

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

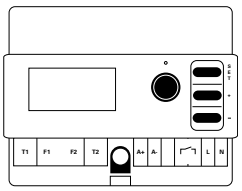


AUTOMATIC CONTROL FOR KEEPING AREAS SNOW-AND ICE-FREE

aquatherm orange system DIGITAL ICE- AND SNOW DETECTOR

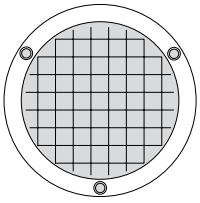
for activating open space heating systems if required

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 by 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



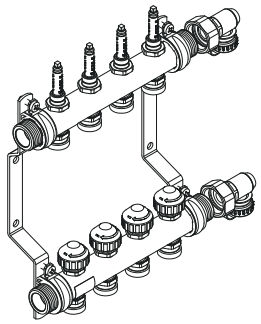
Control distributor

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	



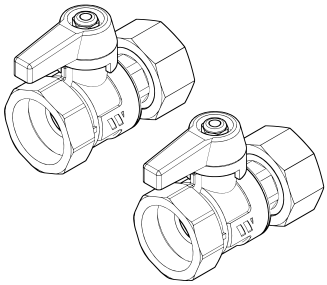
Stainless steel manifold with the following properties:

- 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	1“x 1“	1	

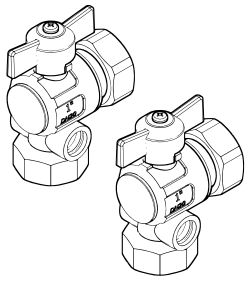


NEW aquatherm BALL VALVE SET

Corner design

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € pc
94414	1“ x 1“	1	

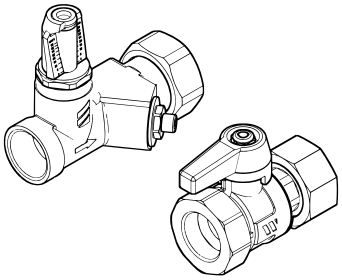


NEW aquatherm LINE CONTROL VALVE SET FOR MANIFOLD

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

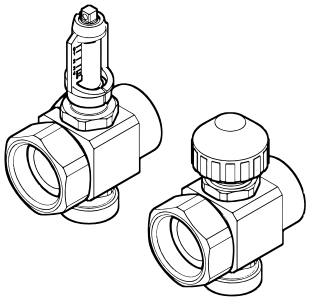


NEW aquatherm HEATING CIRCUIT MANIFOLD EXTENSION SET

for Art. no. 94402 – 94412

Systems: aquatherm orange system, aquatherm black system

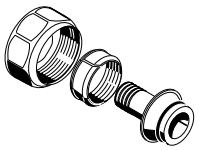
Art. no.	Dimension	PU	Price € pc
94416		1	



aquatherm EUROCONUS CONNECTOR

for heating circuit manifold

Systems: aquatherm orange system, aquatherm black system



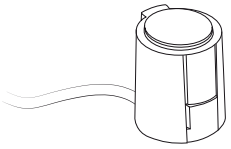
Art. no.	Dimension	PU	Price € pc
92106	6x2,0mm	2	
92107	17x2,0mm	2	
92108	20x2,0mm	2	

cap nut nickel-plated

aquatherm ACTUATOR

for heating circuit manifolds and heating circuit control valves – flow

Systems: aquatherm orange system, aquatherm black system

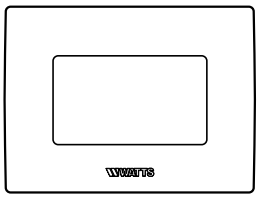


Art. no.	Dimension	PU	Box unit	Price € m/pc
94102	230V	1	21	
94103	24V	1		

NEW aquatherm CENTRAL RADIO UNIT

with 4,3" touchscreen

Systems: aquatherm orange system, aquatherm black system



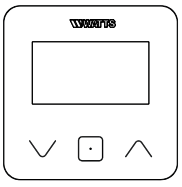
Art. no.	Dimension	PU	Price € m/pc
94417		1	

- 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	

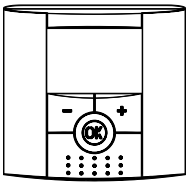
- heating or heating/cooling
- setting of different temperature modes
- antifreeze protection function
- pincode and anti-theft protection
- wall or table installation
- "open window" detection

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	

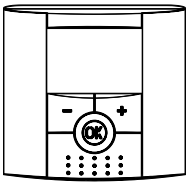


NEW aquatherm RADIO ROOM THERMOSTAT

digital, with LCD-display, programmable, with hygrostat

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € pc
94420		1	

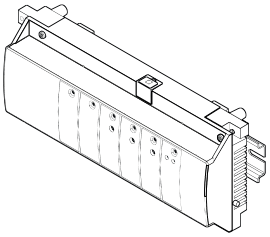


NEW aquatherm RADIO CONTROL DISTRIBUTOR

Master, for 6 zones

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € pc
94422		1	



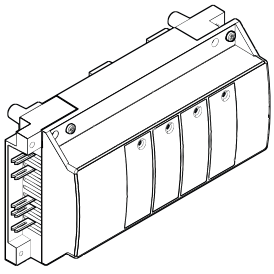
- Zone control for water-bearing surface heating/cooling
- up to 10 zones (room sensor)
- Switching output for pump and heat generator by radio or cable (potential free)

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	

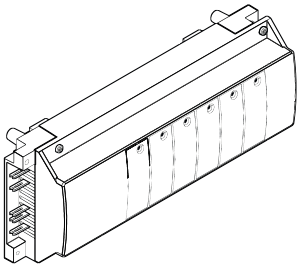


NEW aquatherm MANAGEMENT MODULE

for heating/cooling

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € pc
94421		1	



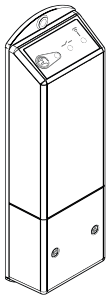
- Control and management for water-bearing surface heating/ cooling in conjunction with control distributor
- signal for central heating/cooling changeover via floating switching output

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	

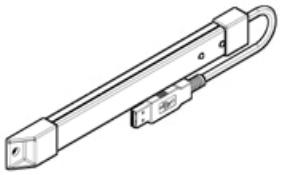


NEW aquatherm RADIO REPEATER

to expand the radio transmission area

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € pc
94425		1	

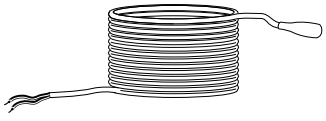


NEW aquatherm DEWPOINT SENSOR

3 metres

Systems: aquatherm orange system, aquatherm black system

Art. no.	Dimension	PU	Price € pc
94426		1	



aquatherm green pipe, aquatherm blue pipe	Pipe systems	**PAGE 12 – 75**
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aquatherm tools	Tools for aquatherm green pipe and aquatherm blue pipe	**PAGE 92 – 108**
aquatherm grey pipe	Portable water and heating installations	**PAGE 109 – 119**
aquatherm black system	Heating and cooling system	**PAGE 120 – 134**
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aquatherm green pipe

aquatherm blue pipe

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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 MF RP	
		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)
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)		
Potable water (cold) / Potable water (warm)		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 = multilayer faser
MF RP = multilayer 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 heating systems or closed systems considering the seasonal periods of operation – non potable water application

Heating period	Temperature	Years of service	aquatherm blue pipe SDR 11 MF, OT & S		aquatherm blue pipe SDR 17.6 MF		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)
constant operating temperature 70 °C / 158 °F incl. 30 days per year at	75 °C 167 °F	5	9,38	(136)	5,38	(78)	14,27	(207)	12,90	(187)
		10	9,08	(132)	5,21	(76)	13,79	(200)	12,60	(183)
		25	7,82	(113)	4,48	(65)	11,74	(170)	12,20	(177)
		45	6,77	(98)	3,89	(56)	10,18	(148)	12,00	(174)
	80 °C 176 °F	5	8,88	(129)	5,09	(74)	13,50	(196)	11,70	(170)
		10	8,46	(123)	4,86	(70)	12,80	(186)	11,40	(165)
		25	7,38	(107)	4,24	(61)	11,14	(162)	11,10	(161)
		42,5	6,49	(94)	3,72	(54)	9,79	(142)	10,90	(158)
	85 °C 185 °F	5	8,17	(118)	4,69	(68)	12,42	(180)	10,70	(155)
		10	7,82	(113)	4,49	(65)	11,87	(172)	10,40	(151)
		25	6,70	(97)	3,85	(56)	10,14	(147)	10,10	(146)
		37,5	6,07	(88)	3,49	(51)	9,18	(133)	10,00	(145)
	90 °C 194 °F	5	7,50	(109)	4,30	(62)	11,39	(165)	9,80	(142)
		10	7,19	(104)	4,13	(60)	10,94	(159)	9,50	(138)
		25	5,85	(85)	3,36	(49)	8,86	(129)	9,20	(133)
		35	5,39	(78)	3,09	(45)	8,16	(118)	9,10	(132)
constant operating temperature 70 °C / 158 °F incl. 60 days per year at	75 °C 167 °F	5	9,26	(134)	5,31	(77)	14,11	(205)	12,30	(178)
		10	8,90	(129)	5,11	(74)	13,57	(197)	12,10	(175)
		25	7,62	(111)	4,37	(63)	11,58	(168)	11,70	(170)
		45	6,60	(96)	3,79	(55)	10,05	(146)	11,50	(167)
	80 °C 176 °F	5	8,61	(125)	4,94	(72)	13,12	(190)	11,40	(165)
		10	8,24	(120)	4,73	(69)	12,54	(182)	11,20	(162)
		25	6,93	(101)	3,98	(58)	10,56	(153)	10,80	(157)
		40	6,18	(90)	3,55	(51)	9,41	(136)	10,70	(155)
	85 °C 185 °F	5	7,91	(115)	4,54	(66)	12,03	(174)	10,40	(151)
		10	7,56	(110)	4,34	(63)	11,52	(167)	10,20	(148)
		25	6,05	(88)	3,47	(50)	9,22	(134)	9,90	(144)
		35	5,57	(81)	3,20	(46)	8,48	(123)	9,80	(142)
	90 °C 194 °F	5	7,25	(105)	4,16	(60)	11,04	(160)	9,50	(138)
		10	6,40	(93)	3,67	(53)	9,76	(142)	9,30	(135)
		25	5,12	(74)	2,94	(43)	7,81	(113)	9,10	(132)
		30	4,90	(71)	2,81	(41)	7,46	(108)	9,00	(131)
constant operating temperature 70 °C / 158 °F incl. 90 days per year at	75 °C 167 °F	5	9,17	(133)	5,26	(76)	14,02	(203)	12,20	(177)
		10	8,79	(127)	5,04	(73)	13,38	(194)	12,00	(174)
		25	7,45	(108)	4,27	(62)	11,33	(164)	11,60	(168)
		45	6,45	(94)	3,70	(54)	9,82	(142)	11,40	(165)
	80 °C 176 °F	5	8,46	(123)	4,85	(70)	12,90	(187)	11,30	(164)
		10	8,11	(118)	4,65	(67)	12,35	(179)	11,00	(160)
		25	6,60	(96)	3,78	(55)	10,05	(146)	10,70	(155)
		37,5	5,98	(87)	3,43	(50)	9,09	(132)	10,60	(154)
	85 °C 185 °F	5	7,76	(113)	4,45	(65)	11,81	(171)	10,30	(149)
		10	7,03	(102)	4,04	(59)	10,72	(155)	10,10	(146)
		25	5,63	(82)	3,23	(47)	8,58	(124)	9,80	(142)
		32,5	5,28	(77)	3,03	(44)	8,03	(116)	9,70	(141)
	90 °C 194 °F	5	6,96	(101)	3,99	(58)	10,59	(154)	9,40	(136)
		10	5,88	(85)	3,37	(49)	8,96	(130)	9,20	(133)
		25	4,70	(68)	2,70	(39)	7,17	(104)	8,90	(129)

*** SDR = Standard Dimension Ratio** (diameter/wall thickness ratio)

SDR = 2 x S + 1 ≈ **d/s** (S = Pipe series index from ISO 4065)

PERMISSIBLE WORKING PRESSURE

for general pressure pipe applications in permanent operation
charted application ranges on page 162 and 163

Temperature	Years of service	aquatherm blue pipe SDR 17.6 MF		aquatherm blue pipe SDR 11 MF & MF OT		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	1	12,8	(186)	27,8	(403)	30,2	(438)	28,8	(418)
	5	12,0	(174)	26,2	(380)	28,2	(409)	27,9	(405)
	10	11,7	(170)	25,6	(371)	27,7	(402)	27,5	(399)
	25	11,4	(165)	24,7	(358)	26,9	(390)	27,1	(393)
	50	11,1	(161)	24,1	(350)	26,1	(379)	26,7	(387)
	100	10,8	(157)	23,5	(341)	25,2	(366)	26,3	(381)
15 °C 59 °F	1	11,8	(171)	25,7	(373)	29,4	(426)	26,9	(390)
	5	11,1	(161)	24,2	(351)	27,4	(397)	26,0	(377)
	10	10,8	(157)	23,6	(342)	26,9	(390)	25,7	(373)
	25	10,5	(152)	22,8	(331)	26,1	(379)	25,2	(366)
	50	10,2	(148)	22,2	(322)	25,3	(367)	24,9	(361)
	100	9,9	(144)	21,6	(313)	24,5	(355)	24,5	(355)
20 °C 68 °F	1	10,9	(158)	23,8	(345)	28,6	(415)	25,0	(363)
	5	10,3	(149)	22,3	(323)	26,8	(389)	24,2	(351)
	10	10,0	(145)	21,7	(315)	26,1	(379)	23,9	(347)
	25	9,6	(139)	21,0	(305)	25,3	(367)	23,5	(341)
	50	9,4	(136)	20,4	(296)	24,5	(355)	23,1	(335)
	100	9,1	(132)	19,9	(289)	23,7	(344)	22,8	(331)
30 °C 86 °F	1	9,3	(135)	20,2	(293)	24,3	(352)	21,7	(315)
	5	8,7	(126)	18,9	(274)	22,8	(331)	20,9	(303)
	10	8,5	(123)	18,4	(267)	22,0	(319)	20,6	(299)
	25	8,2	(119)	17,8	(258)	21,3	(309)	20,2	(293)
	50	7,9	(115)	17,3	(251)	20,7	(300)	19,9	(289)
	100	7,7	(112)	16,8	(244)	20,0	(290)	19,7	(286)
40 °C 104 °F	1	7,9	(115)	17,1	(248)	20,5	(297)	18,6	(270)
	5	7,4	(107)	16,0	(232)	19,2	(278)	18,0	(261)
	10	7,2	(104)	15,6	(226)	18,7	(271)	17,7	(257)
	25	6,9	(100)	15,0	(218)	18,0	(261)	17,3	(251)
	50	6,7	(97)	14,6	(212)	17,5	(254)	17,1	(248)
	100	6,5	(94)	14,1	(205)	16,8	(244)	16,8	(244)
50 °C 122 °F	1	6,7	(97)	14,5	(210)	17,5	(254)	15,9	(231)
	5	6,2	(90)	13,5	(196)	16,2	(235)	15,3	(222)
	10	6,0	(87)	13,1	(190)	15,7	(228)	15,1	(219)
	25	5,8	(84)	12,6	(183)	15,2	(220)	14,7	(213)
	50	5,6	(81)	12,2	(177)	14,7	(213)	14,5	(210)
	100	5,5	(80)	11,9	(173)	14,1	(205)	14,3	(207)
60 °C 140 °F	1	5,6	(81)	12,2	(177)	14,7	(213)	13,5	(196)
	5	5,2	(75)	11,4	(165)	13,7	(199)	13,0	(189)
	10	5,1	(74)	11,0	(160)	13,2	(191)	12,7	(184)
	25	4,9	(71)	10,6	(154)	12,6	(183)	12,4	(180)
	50	4,7	(68)	10,3	(149)	12,1	(175)	12,2	(177)
70 °C 158 °F	1	4,7	(68)	10,3	(149)	12,4	(180)	11,3	(164)
	5	4,4	(64)	9,6	(139)	11,4	(165)	10,9	(158)
	10	4,2	(61)	9,2	(133)	11,1	(161)	10,7	(155)
	25	3,7	(54)	8,0	(116)	9,6	(139)	10,4	(151)
	50	3,1	(45)	6,8	(99)	8,1	(117)	10,2	(148)
75 °C 167 °F	1	4,3	(62)	9,4	(136)	11,7	(170)	10,4	(151)
	5	4,0	(58)	8,7	(126)	10,8	(157)	9,9	(144)
	10	3,7	(54)	8,0	(116)	10,0	(145)	9,7	(141)
	25	3,0	(44)	6,4	(93)	8,0	(116)	9,5	(138)
	50	2,5	(36)	5,4	(78)	6,7	(97)	9,3	(135)
80 °C 176 °F	1	4,0	(58)	8,6	(125)	10,4	(151)	9,5	(138)
	5	3,5	(51)	7,7	(112)	9,2	(133)	9,0	(131)
	10	3,0	(44)	6,5	(94)	7,8	(113)	8,9	(129)
	25	2,4	(35)	5,2	(75)	6,2	(90)	8,6	(125)
90 °C 194 °F	1	3,3	(48)	7,2	(104)	8,7	(126)	7,8	(113)
	5	2,3	(33)	5,1	(74)	6,0	(87)	7,4	(107)
	10	2,0	(29)	4,3	(62)	5,1	(74)	7,3	(106)

SDR = Standard Dimension Ratio (diameter/wall thickness ratio)
S = single layer
MF = multilayer faser
MF RP = multilayer 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 & **aquatherm blue pipe** pipe systems for the application in potable water and heating	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 an fabrication of manifolds and special components	Ord.-No.: E18198

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