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PRODUCT CATALOGUE 2014



aquatherm

state of the pipe



All prices are for piece, m, m², kg or set.

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.

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

| new branding structure | | | | | | | | |
|------------------------|-----------|---------------|--------------------------|-------------------|-------------------------|---|---|-----------------------|
| brand name | | appendix | | | | | | |
| no.: | company | system | Standard Dimension Ratio | structure of pipe | special feature of pipe | Material / Glas fibre content GF[%]/ fire class. Acc. ISO 11925 | old brand name | article-no. |
| 1 | aquatherm | green pipe | SDR11 | S | | PP-R/GF0/E | fusiotherm SDR11 | 10208 . . . 10248 |
| 2 | aquatherm | green pipe | SDR7,4 | S | | PP-R/GF0/E | fusiotherm SDR7,4 | 10806 . . . 10826 |
| 3 | aquatherm | green pipe | SDR6 | S | | PP-R/GF0/E | fusiotherm SDR6 | 10006 . . . 10024 |
| 4 | aquatherm | green pipe | SDR7,4 | MS | | | fusiotherm Stabi-composite pipe | 70806 . . . 70824 |
| 5 | aquatherm | green pipe | SDR7,4 | MF | | PP-R/GF7/E | fusiotherm faser composite pipe | 70708 . . . 70747 |
| 6 | aquatherm | green pipe | SDR7,4 | MF | UV | inliner like 5 with black PE-coating | fusiotherm faser composite pipe UV | 70758 . . . 70788 |
| 7 | aquatherm | green pipe | SDR7,4 | MF | TI | inliner like 5 with PU-Insulation and black PE-casing | fusiotherm faser composite pipe ISO | 1270711 . . . 1270737 |
| 8 | aquatherm | green pipe | SDR9 | MF | RP | PP-RP/GF7/E | aquatherm green pipe faser composite pipe | 370712 . . . 0370744 |
| 9 | aquatherm | green pipe | SDR9 | MF | RP UV | inliner like 8 with black PE-coating | aquatherm green pipe faser composite pipe UV | 370762 . . . 370794 |
| 10 | aquatherm | blue pipe | SDR11 | S | | PP-R/GF0/E | Climatherm SDR11 | 2010208 . . . 2010238 |
| 11 | aquatherm | blue pipe | SDR7,4/SDR11 | MF | | PP-R/GF7/E | Climatherm faser composite pipe SDR7,4/SDR11 | 2070112 . . . 2070726 |
| 12 | aquatherm | blue pipe | SDR7,4/SDR11 | MF | UV | inliner like 11 with black PE-coating | Climatherm faser composite pipe SDR7,4/SDR11 UV | 2070162 . . . 2070762 |
| 13 | aquatherm | blue pipe | SDR7,4/SDR11 | MF | OT | inliner like 11 with EVOH O2-barrier | Climatherm faser composite pipe SDR7,4/SDR11 OT | 2170114 . . . 2170712 |
| 14 | aquatherm | blue pipe | SDR17,6 | MF | | PP-R/GF7/E | Climatherm faser composite pipe SDR17,6 | 2570134 . . . 2570154 |
| 15 | aquatherm | blue pipe | SDR7,4/SDR11 | MF | TI | inliner like 11 with PU-Insulation and black PE-casing | Climatherm faser composite pipe SDR7,4/SDR11 ISO | 2270111 . . . 2270142 |
| 16 | aquatherm | blue pipe | SDR7,4/SDR11 | MF | OT-TI | inliner like 13 with PU-insulation and black PE-casing | Climatherm faser composite pipe SDR7,4/SDR11 OT ISO | 2470711 . . . 2470126 |
| 17 | aquatherm | red pipe | SDR7,4 | MF | HI | PP-R/GF7/B-s1,d0 | aquatherm firestop | 4170707 . . . 4170730 |
| 18 | aquatherm | lilac pipe | SDR7,4/SDR11 | S | | PP-R/GF0/E | aquatherm lilac | 9010212 . . . 9010238 |
| 19 | aquatherm | black system | | | OT | | climasystem | |
| 20 | aquatherm | orange system | | S | OT | | aquatherm floor heating | |
| 21 | aquatherm | grey pipe | | | | | aquatherm SHT | |

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 |
| MS | multilayer stabi |
| 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 |
| PB | polybutene |
| PE-RT | polyethylene with raised temperature resistance |
| PEX | cross-linked polyethylene |
| AL | aluminium |

fusiotherm® - the innovative multi-purpose pipe that was a revolution for the plastic pipe industry and has evolved over decades will be called **aquatherm green pipe**. The pipe launched under this new name in several international markets three years ago and quickly came to be recognized for the highest quality and environmental responsibility. Its environmental benefits as well as the world-famous and often copied colour of the pipe system are the basis for the new name.

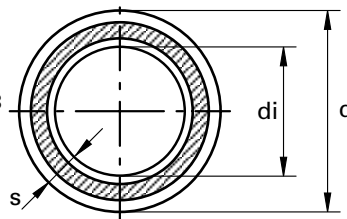
aquatherm green pipe

Pipe system made of polypropylene
for potable water supply

| article-no. | old brand name | new branding structure | | | | | |
|---------------------|-------------------------------------|------------------------|------------|--------------------------|-------------------|-------------------------|----------|
| | | new brand name | | Standard Dimension Ratio | structure of pipe | special feature of pipe | material |
| | | company | system | | | | |
| 10208 ... 10248 | fusiotherm SDR11 | aquatherm | green pipe | SDR 11 | S | | PP-R |
| 10806 ... 10818 | fusiotherm SDR7,4 | aquatherm | green pipe | SDR 7,4 | S | | PP-R |
| 10006 ... 10024 | fusiotherm SDR6 | aquatherm | green pipe | SDR 6 | S | | PP-R |
| 70806 ... 70824 | fusiotherm stabi composite pipe | aquatherm | green pipe | SDR 7,4 | MS | | PP-R |
| 70708 ... 70738 | fusiotherm faser composite pipe | aquatherm | green pipe | SDR 7,4 | MF | | PP-R |
| 70758 ... 70788 | fusiotherm faser composite pipe UV | aquatherm | green pipe | SDR 7,4 | MF | UV | PP-R |
| 1370711 ... 1370738 | fusiotherm faser composite pipe ISO | aquatherm | green pipe | SDR 9 | MF | TI | PP-R |
| 370712 ... 370744 | aquatherm green pipe | aquatherm | green pipe | SDR 9 | MF | RP | PP-RP |
| 370762 ... 370794 | aquatherm green pipe | aquatherm | green pipe | SDR 9 | MF | RP UV | PP-RP |

aquatherm green pipe - SDR 9 MF RP

Structure of pipe: MF = multilayer, with fibre reinforced
 Special feature of pipe: RP (raised pressure)
 Material: fusiole PP-R
 Pipe series: SDR 9/S 4
 Standard: SKZ HR 3.28, ASTM F 2389, ISO 21003
 SKZ A632/A644
 Colour: green with 4 dark green stripes
 Form supplied: ø 32-125mm straight lengths 4 m
 ø 160-355mm straight lengths 5,8 m
 Packing Unit: PU in meter
 Application:



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

| 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 |
|-----|----------------|------------------|-----------------------|---------------------------|---------------------|-------------|-----|--------|--------------|
| 9 | Socket welding | | | | | | | | |
| | 370712 | 32 | 3,6 | 24,8 | 0,483 | 0,328 | 25 | 40 | |
| | 370714 | 40 | 4,5 | 31,0 | 0,754 | 0,511 | 32 | 40 | |
| | 370716 | 50 | 5,6 | 38,8 | 1,182 | 0,791 | 40 | 20 | |
| | 370718 | 63 | 7,1 | 48,8 | 1,869 | 1,261 | 50 | 20 | |
| | 370720 | 75 | 8,4 | 58,2 | 2,659 | 1,771 | - | 20 | |
| | 370722 | 90 | 10,1 | 69,8 | 3,825 | 2,553 | 65 | 12 | |
| | 370724 | 110 | 12,3 | 85,4 | 5,725 | 3,789 | 80 | 8 | |
| | 370726 | 125 | 14,0 | 97,0 | 7,386 | 4,886 | 100 | 4 | |
| | Butt welding | | | | | | | | |
| | 370730 | 160 | 17,9 | 124,2 | 12,109 | 7,987 | 125 | 5,8 | |
| | 370734 | 200 | 22,4 | 155,2 | 18,908 | 12,489 | 150 | 5,8 | |
| | 370738 | 250 | 27,9 | 194,2 | 29,605 | 19,423 | 200 | 5,8 | |
| | 370742 | 315 | 35,2 | 244,6 | 46,966 | 30,877 | 250 | 5,8 | |
| | 370744 | 355 | 39,7 | 275,6 | 59,625 | 39,203 | - | 5,8 | |

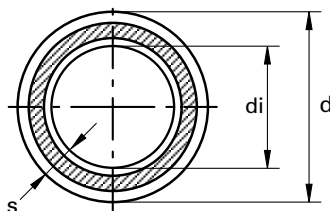
aquatherm green pipe - SDR 7,4 MF

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

Colour: green with 4 dark green stripes
 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:

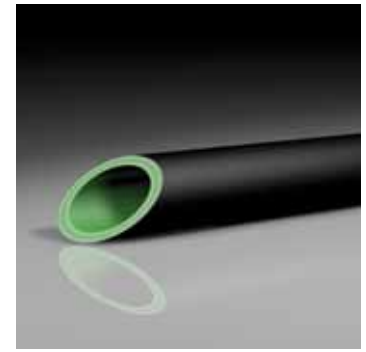


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

| 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/pc |
|-----|----------------|--|-----------------------|---------------------------|---------------------|-------------|-----|--------|--------------|
| 7,4 | Socket welding | | | | | | | | |
| | 70708 | 20 | 2,8 | 14,4 | 0,163 | 0,159 | 15 | 100 | |
| | 70710 | 25 | 3,5 | 18,0 | 0,254 | 0,247 | 20 | 100 | |
| | 70712 | 32 | 4,4 | 23,2 | 0,423 | 0,395 | 25 | 40 | |
| | 70714 | 40 | 5,5 | 29,0 | 0,660 | 0,610 | 32 | 40 | |
| | 70716 | 50 | 6,9 | 36,2 | 1,029 | 0,950 | 40 | 20 | |
| | 70718 | 63 | 8,6 | 45,8 | 1,647 | 1,490 | 50 | 20 | |
| | 70720 | 75 | 10,3 | 54,4 | 2,323 | 2,115 | - | 20 | |
| | 70722 | 90 | 12,3 | 65,4 | 3,358 | 3,030 | 65 | 12 | |
| | 70724 | 110 | 15,1 | 79,8 | 4,999 | 4,530 | 80 | 8 | |
| | 70726 | 125 | 17,1 | 90,8 | 6,472 | 6,211 | - | 4 | |
| | Butt welding | | | | | | | | |
| | 70730 | 160 | 21,9 | 116,2 | 10,599 | 9,750 | 125 | 5,8 | |
| | 70734 | 200 | 27,4 | 145,2 | 16,558 | 15,005 | 150 | 5,8 | |
| | 70738 | 250 | 34,2 | 181,6 | 25,901 | 23,470 | 175 | 5,8 | |
| | 315-355 | Dimensions 315 and 355 mm see aquatherm green pipe SDR 9 MF RP on page 7 | | | | | | | |

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 with 4 dark green stripes
 outer layer: black
 Form supplied: ø 32-125mm straight lengths 4 m
 ø 160-355mm straight lengths 5,8 m
 Packing Unit: PU in meter
 Application:

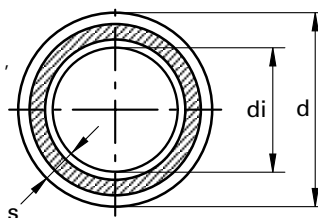


Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-R.

| 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/pc |
|-----|----------------|------------------|-----------------------|---------------------------|---------------------|-------------|-----|--------|--------------|
| 9 | Socket welding | | | | | | | | |
| | 370762 | 32 | 3,6 | 24,8 | 0,483 | 0,388 | 25 | 40 | |
| | 370764 | 40 | 4,5 | 31,0 | 0,754 | 0,588 | 32 | 40 | |
| | 370766 | 50 | 5,6 | 38,8 | 1,182 | 0,891 | 40 | 20 | |
| | 370768 | 63 | 7,1 | 48,8 | 1,869 | 1,391 | 50 | 20 | |
| | 370770 | 75 | 8,4 | 58,2 | 2,659 | 1,908 | - | 20 | |
| | 370772 | 90 | 10,1 | 69,8 | 3,825 | 2,746 | 65 | 12 | |
| | 370774 | 110 | 12,3 | 85,4 | 5,725 | 4,116 | 80 | 8 | |
| | 370776 | 125 | 14,0 | 97,0 | 7,386 | 5,287 | 100 | 4 | |
| | Butt welding | | | | | | | | |
| | 370780 | 160 | 17,9 | 124,2 | 12,109 | 8,466 | 125 | 5,8 | |
| | 370784 | 200 | 22,4 | 155,2 | 18,908 | 13,087 | 150 | 5,8 | |
| | 370788 | 250 | 27,9 | 194,2 | 29,605 | 20,170 | 200 | 5,8 | |
| | 370792 | 315 | 35,2 | 244,6 | 46,966 | 31,818 | 250 | 5,8 | |
| | 370794 | 355 | 39,7 | 275,6 | 59,625 | 40,263 | - | 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
 Colour: outer layer: black
 inner layer: green
 Form supplied: ø 20-125mm straight lengths 4 m
 ø 160-250mm straight lengths 5,8 m
 Packing Unit: PU in meter
 Application:

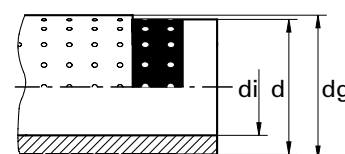
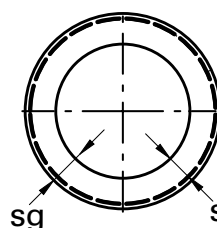


Resistant against UV-rays. Mechanically stabilized through a faser mix integrated in the middle layer of the fusiolen® PP-R.

| 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/pc |
|-------|----------------|---|-----------------------|---------------------------|---------------------|-------------|-----|--------|--------------|
| 7,4 | Socket welding | | | | | | | | |
| | 70758 | 20 | 2,8 | 14,4 | 0,163 | 0,211 | 15 | 100 | |
| | 70760 | 25 | 3,5 | 18,0 | 0,254 | 0,316 | 20 | 100 | |
| | 70762 | 32 | 4,4 | 23,2 | 0,423 | 0,488 | 25 | 40 | |
| | 70764 | 40 | 5,5 | 29,0 | 0,660 | 0,733 | 32 | 40 | |
| | 70766 | 50 | 6,9 | 36,2 | 1,029 | 1,108 | 40 | 20 | |
| | 70768 | 63 | 8,6 | 45,8 | 1,647 | 1,697 | 50 | 20 | |
| | 70770 | 75 | 10,3 | 54,4 | 2,323 | 2,363 | 50 | 20 | |
| | 70772 | 90 | 12,3 | 65,4 | 3,358 | 3,400 | 65 | 12 | |
| | 70774 | 110 | 15,1 | 79,8 | 4,999 | 5,093 | 80 | 8 | |
| | 70776 | 125 | 17,1 | 90,8 | 6,472 | 6,450 | - | 4 | |
| | Butt welding | | | | | | | | |
| | 70780 | 160 | 21,9 | 116,2 | 10,599 | 10,415 | 100 | 5,8 | |
| | 70784 | 200 | 27,4 | 145,2 | 16,550 | 15,987 | 150 | 5,8 | |
| 70788 | 250 | 34,2 | 181,6 | 25,888 | 24,932 | 175 | 5,8 | | |
| | 315-355 | Dimensions 315 and 355 mm see aquatherm green pipe SDR 9 MF RP UV on page 9 | | | | | | | |

aquatherm green pipe - SDR 7,4 MS

Structure of pipe: MS = multilayer stabi
 Material: fusiolen PP-R, aluminium
 Pipe series: SDR 7,4/S 3,2
 Standards: DIN 8077/78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11
 Colour: green
 Form supplied: 4 m straight lengths, also* in coils
 Packing Unit: PU in Meter
 Application:

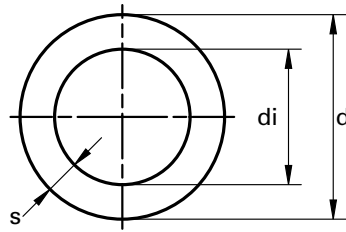


Mechanically stabilized through integrated aluminium-layer

| 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 |
|-----|----------|------------------|-----------------------|---------------------------|---------------------|-------------|----|--------|--------------|
| 7,4 | 70806 | 16 | 2,2 | 11,6 | 0,106 | 0,144 | 12 | 100 | |
| | 70808 | 20 | 2,8 | 14,4 | 0,163 | 0,216 | 15 | 100 | |
| | 70810 | 25 | 3,5 | 18,0 | 0,254 | 0,296 | 20 | 100 | |
| | 70812 | 32 | 4,5 | 23,0 | 0,415 | 0,471 | 25 | 40 | |
| | 70814 | 40 | 5,6 | 28,8 | 0,651 | 0,670 | 32 | 40 | |
| | 70816 | 50 | 6,9 | 36,2 | 1,029 | 1,025 | 40 | 20 | |
| | 70818 | 63 | 8,7 | 45,6 | 1,632 | 1,530 | 50 | 20 | |
| | 70820 | 75 | 10,4 | 54,4 | 2,306 | 2,197 | - | 20 | |
| | 70822 | 90 | 12,5 | 65,4 | 3,317 | 3,226 | 65 | 12 | |
| | 70824 | 110 | 15,2 | 79,8 | 4,974 | 4,735 | 80 | 8 | |
| | 70856* | 16 | 2,2 | 11,6 | 0,106 | 0,150 | 12 | 100 | |

aquatherm green pipe - SDR 6 / 7,4 S

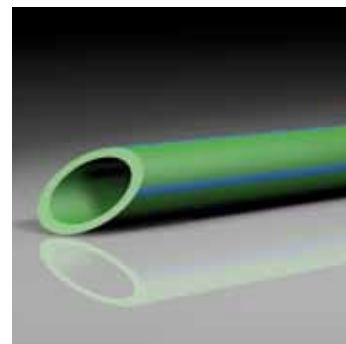
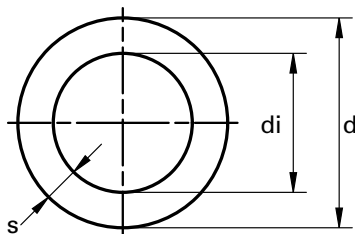
Structure of pipe: s (single)
 Material: fusiolen PP-R
 Pipe series: SDR 6/S 2,5 & SDR 7,4/S 3,2
 Standards: DIN 8077, DIN 8078, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11
 Colour: green
 Form supplied: 4 m straight lengths, also* in coils
 Packing Unit: PU in meter
 Application:



| SDR | Art.-No. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m/pc |
|--------|----------|------------------|-----------------------|---------------------------|---------------------|-------------|-----|--------|--------------|
| 6 | 10006 | 16 | 2,7 | 10,6 | 0,088 | 0,111 | 10 | 100 | |
| | 10008 | 20 | 3,4 | 13,2 | 0,137 | 0,171 | 12 | 100 | |
| | 10010 | 25 | 4,2 | 16,6 | 0,216 | 0,266 | 15 | 100 | |
| | 10012 | 32 | 5,4 | 21,2 | 0,353 | 0,428 | 20 | 40 | |
| | 10014 | 40 | 6,7 | 26,6 | 0,555 | 0,660 | 25 | 40 | |
| | 10016 | 50 | 8,3 | 33,4 | 0,876 | 1,054 | 32 | 20 | |
| | 10018 | 63 | 10,5 | 42,0 | 1,385 | 1,697 | 40 | 20 | |
| | 10020 | 75 | 12,5 | 50,0 | 1,963 | 2,328 | 50 | 20 | |
| | 10022 | 90 | 15,0 | 60,0 | 2,826 | 3,415 | 60 | 12 | |
| | 10024 | 110 | 18,3 | 73,4 | 4,229 | 5,150 | 65 | 8 | |
| | 10106* | 16 | 2,7 | 10,6 | 0,088 | 0,012 | 10 | 100 | |
| 10108* | 20 | 3,4 | 13,2 | 0,137 | 0,172 | 12 | 100 | | |
| 10110* | 25 | 4,2 | 16,6 | 0,216 | 0,260 | 15 | 100 | | |
| 7,4 | 10806 | 16 | 2,2 | 11,6 | 0,106 | 0,098 | 12 | 100 | |
| | 10808 | 20 | 2,8 | 14,4 | 0,163 | 0,152 | 15 | 100 | |
| | 10810 | 25 | 3,5 | 18,0 | 0,254 | 0,235 | 20 | 100 | |
| | 10812 | 32 | 4,4 | 23,2 | 0,423 | 0,375 | 25 | 40 | |
| | 10814 | 40 | 5,5 | 29,0 | 0,660 | 0,580 | 32 | 40 | |
| | 10816 | 50 | 6,9 | 36,2 | 1,029 | 0,905 | 40 | 20 | |
| | 10818 | 63 | 8,6 | 45,8 | 1,647 | 1,420 | 50 | 20 | |
| | 10906* | 16 | 2,2 | 11,6 | 0,106 | 0,100 | 12 | 100 | |
| 10908* | 20 | 2,8 | 14,4 | 0,163 | 0,149 | 15 | 100 | | |

aquatherm green pipe - SDR 11 S

Structure of pipe: 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 20-125mm 4 m straight lengths, also* in coils
 ø 160-450mm 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/pc |
|-------|----------------|------------------|-----------------------|---------------------------|---------------------|-------------|-----|--------|--------------|
| 11 | Socket welding | | | | | | | | |
| | 10208 | 20 | 1,9 | 16,2 | 0,206 | 0,109 | 15 | 100 | |
| | 10210 | 25 | 2,3 | 20,4 | 0,327 | 0,165 | 20 | 100 | |
| | 10212 | 32 | 2,9 | 26,2 | 0,539 | 0,265 | 25 | 40 | |
| | 10214 | 40 | 3,7 | 32,6 | 0,834 | 0,415 | 32 | 40 | |
| | 10216 | 50 | 4,6 | 40,8 | 1,307 | 0,645 | 40 | 20 | |
| | 10218 | 63 | 5,8 | 51,4 | 2,074 | 1,015 | 50 | 20 | |
| | 10220 | 75 | 6,8 | 61,4 | 2,959 | 1,415 | 65 | 20 | |
| | 10222 | 90 | 8,2 | 73,6 | 4,252 | 2,045 | 80 | 12 | |
| | 10224 | 110 | 10,0 | 90,0 | 6,359 | 3,136 | - | 8 | |
| | 10226 | 125 | 11,4 | 102,2 | 8,199 | 3,927 | 100 | 4 | |
| | 10308* | 20 | 1,9 | 16,2 | 0,206 | 0,109 | 15 | 100 | |
| | 10310* | 25 | 2,3 | 20,4 | 0,327 | 0,158 | 20 | 100 | |
| | 10312* | 32 | 2,9 | 26,2 | 0,539 | 0,257 | 25 | 50 | |
| | Butt welding | | | | | | | | |
| | 10230 | 160 | 14,6 | 130,8 | 13,430 | 6,416 | 125 | 5,8 | |
| | 10234 | 200 | 18,2 | 163,6 | 21,010 | 9,991 | 150 | 5,8 | |
| | 10238 | 250 | 22,7 | 204,6 | 32,861 | 15,540 | 200 | 5,8 | |
| | 10242 | 315 | 28,6 | 257,8 | 52,172 | 25,700 | 250 | 5,8 | |
| | 10244 | 355 | 32,2 | 290,6 | 66,325 | 31,300 | 300 | 5,8 | |
| 10246 | 400 | 36,3 | 327,6 | 84,290 | 41,400 | 300 | 5,8 | | |
| 10248 | 450 | 40,9 | 368,2 | 106,477 | 52,400 | 400 | 5,8 | | |

climatherm our specialty for distributing cooling and heating in closed systems as well as in several industrial applications, will become **aquatherm blue pipe**. This system was developed 10 years ago in order to prevent corrosion in air conditioning pipes 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.

aquatherm blue pipe

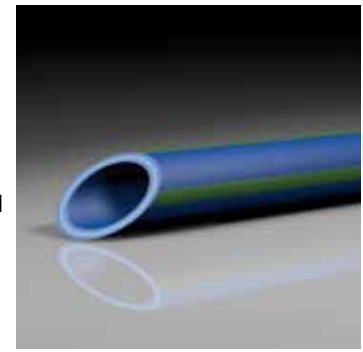
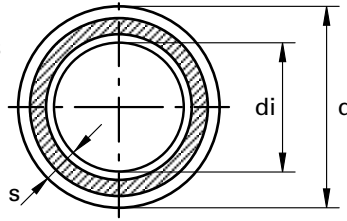
Pipe system made of polypropylene

for chilled, hot fluid and various industrial applications

| article-no. | old brand name | new branding structure | | | | | |
|---------------------|---|------------------------|-----------|--------------------------|-------------------|-------------------------|----------|
| | | new brand name | | Standard Dimension Ratio | structure of pipe | special feature of pipe | material |
| | | company | system | | | | |
| 2010208 ... 2010212 | climatherm SDR11 | aquatherm | blue pipe | SDR 11 | S | | PP-R |
| 2070708 ... 2070154 | climatherm faser composite pipe SDR7,4/SDR11/SDR 17,6 | aquatherm | blue pipe | SDR 7,4/SDR 11/SDR 17,6 | MF | | PP-R |
| 2070162 ... 2570204 | climatherm faser composite pipe SDR7,4/SDR11/SDR17,6 UV | aquatherm | blue pipe | SDR 7,4/SDR 11/SDR 17,6 | MF | UV | PP-R |
| 2170114 ... 2170712 | climatherm faser composite pipe SDR7,4/SDR11 OT | aquatherm | blue pipe | SDR 7,4/SDR 11 | MF | OT | PP-R |
| 2270111 ... 2770142 | climatherm faser composite pipe SDR7,4/SDR11 ISO | aquatherm | blue pipe | SDR 11/SDR 17,6 | MF | TI | PP-R |
| 2470711 ... 2470138 | climatherm faser composite pipe SDR7,4/SDR11 OT ISO | aquatherm | blue pipe | SDR SDR 11 | MF | OT-TI | PP-R |

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 20-125mm straight lengths 4 m
 ø 160-630mm straight lengths 5,8 m
 Packing Unit: PU in meter
 Application:

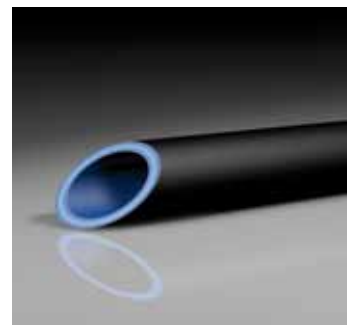
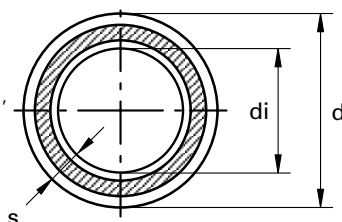


Mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R.

| 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/pc | |
|---------|--------------------|------------------|-----------------------|---------------------------|---------------------|-------------|-------|--------|--------------|--|
| 7,4 | Socket welding | | | | | | | | | |
| | 2070708 | 20 | 2,8 | 14,4 | 0,163 | 0,159 | 15 | 100 | | |
| | 2070710 | 25 | 3,5 | 18,0 | 0,254 | 0,244 | 20 | 100 | | |
| 11 | 2070712 | 32 | 4,4 | 23,2 | 0,423 | 0,275 | 25 | 40 | | |
| | 2070112 | 32 | 2,9 | 26,2 | 0,539 | 0,285 | 25 | 40 | | |
| | 2070114 | 40 | 3,7 | 32,6 | 0,834 | 0,435 | 32 | 40 | | |
| | 2070116 | 50 | 4,6 | 40,8 | 1,307 | 0,675 | 40 | 20 | | |
| | 2070118 | 63 | 5,8 | 51,4 | 2,074 | 1,065 | 50 | 20 | | |
| | 2070120 | 75 | 6,8 | 61,4 | 2,959 | 1,482 | 65 | 20 | | |
| | 2070122 | 90 | 8,2 | 73,6 | 4,252 | 2,145 | 80 | 12 | | |
| | 2070124 | 110 | 10,0 | 90,0 | 6,359 | 3,175 | - | 8 | | |
| | 2070126 | 125 | 11,4 | 102,2 | 8,199 | 4,118 | 100 | 4 | | |
| | 11 | Butt welding | | | | | | | | |
| | | 2070130 | 160 | 14,6 | 130,8 | 13,430 | 6,728 | 125 | 5,8 | |
| 2070134 | | 200 | 18,2 | 163,6 | 21,010 | 10,480 | 150 | 5,8 | | |
| 2070138 | | 250 | 22,7 | 204,6 | 32,861 | 16,300 | 200 | 5,8 | | |
| 2070142 | | 315 | 28,6 | 257,8 | 52,172 | 25,700 | 250 | 5,8 | | |
| 2070144 | | 355 | 32,2 | 290,6 | 66,29 | 33,034 | 300 | 5,8 | | |
| 2070146 | | 400 | 36,3 | 327,6 | 84,290 | 41,400 | 300 | 5,8 | | |
| 2070148 | | 450 | 40,9 | 368,2 | 106,477 | 52,400 | 400 | 5,8 | | |
| 17,6 | Socket welding | | | | | | | | | |
| | NEW 2570126 | 125 | 7,1 | 110,8 | 9,637 | 2,698 | 100 | 4 | | |
| | Butt welding | | | | | | | | | |
| | 2570130 | 160 | 9,1 | 141,8 | 15,792 | 4,360 | 150 | 5,8 | | |
| | 2570134 | 200 | 11,4 | 177,2 | 24,661 | 6,800 | 200 | 5,8 | | |
| | 2570138 | 250 | 14,2 | 221,6 | 38,568 | 10,570 | 250 | 5,8 | | |
| | 2570142 | 315 | 17,9 | 279,2 | 61,223 | 16,740 | 300 | 5,8 | | |
| | 2570144 | 355 | 20,1 | 314,8 | 77,832 | 21,210 | 350 | 5,8 | | |
| | 2570146 | 400 | 22,7 | 354,6 | 98,756 | 26,930 | 350 | 5,8 | | |
| | 2570148 | 450 | 25,5 | 399,0 | 125,036 | 34,020 | 400 | 5,8 | | |
| | 2570150 | 500 | 28,4 | 443,2 | 154,272 | 42,070 | 450 | 5,8 | | |
| 2570152 | 560 | 31,7 | 496,6 | 193,688 | 52,550 | 500 | 5,8 | | | |
| 2570154 | 630 | 35,7 | 558,6 | 245,070 | 66,540 | 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 20-125mm straight lengths 4 m
 ø 160-250mm straight lengths 5,8 m
 Packing Unit: PU in meter
 Application:

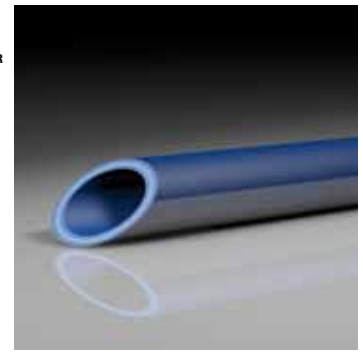
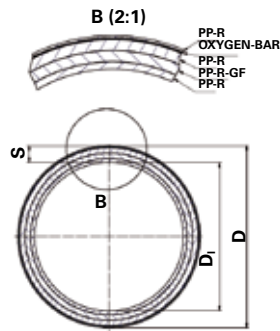


UV-resistant. Mechanically stabilized by a fibre mixture, integrated in the middle layer of fusiolen PP-R.

| 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/pc | |
|------|----------------|------------------|-----------------------|---------------------------|---------------------|-------------|-------|--------|--------------|--|
| 7,4 | Socket welding | | | | | | | | | |
| | 2070758 | 20 | 2,8 | 14,4 | 0,163 | 0,209 | 15 | 100 | | |
| | 2070760 | 25 | 3,5 | 18,0 | 0,254 | 0,313 | 20 | 100 | | |
| | 2070762 | 32 | 4,4 | 23,2 | 0,423 | 0,345 | 20 | 40 | | |
| 11 | 2070162 | 32 | 2,9 | 26,2 | 0,539 | 0,375 | 25 | 40 | | |
| | 2070164 | 40 | 3,7 | 32,6 | 0,834 | 0,554 | 32 | 40 | | |
| | 2070166 | 50 | 4,6 | 40,8 | 1,307 | 0,825 | 40 | 20 | | |
| | 2070168 | 63 | 5,8 | 51,4 | 2,074 | 1,257 | 50 | 20 | | |
| | 2070170 | 75 | 6,8 | 61,4 | 2,959 | 1,707 | 65 | 20 | | |
| | 2070172 | 90 | 8,2 | 73,6 | 4,252 | 2,483 | 80 | 12 | | |
| | 2070174 | 110 | 10,0 | 90,0 | 6,359 | 3,688 | | 8 | | |
| | 2070176 | 125 | 11,4 | 102,2 | 8,199 | 4,673 | 100 | 4 | | |
| | | Butt welding | | | | | | | | |
| | | 2070180 | 160 | 14,6 | 130,8 | 13,430 | 7,512 | 125 | 5,8 | |
| | 2070184 | 200 | 18,2 | 163,6 | 21,010 | 11,411 | 150 | 5,8 | | |
| | 2070188 | 250 | 22,7 | 204,6 | 32,861 | 17,754 | 200 | 5,8 | | |
| | 2070192 | 315 | 28,6 | 257,8 | 52,172 | 26,619 | 250 | 5,8 | | |
| | 2070194 | 355 | 32,2 | 290,6 | 66,292 | 33,668 | 300 | 5,8 | | |
| | 2070196 | 400 | 36,3 | 327,4 | 84,145 | 42,566 | 300 | 5,8 | | |
| | 2070198 | 450 | 40,9 | 368,2 | 106,423 | 53,709 | 400 | 5,8 | | |
| 17,6 | 2570180 | 160 | 9,1 | 141,8 | 15,784 | 4,839 | 150 | 5,8 | | |
| | 2570184 | 200 | 11,4 | 177,2 | 24,649 | 7,396 | 200 | 5,8 | | |
| | 2570188 | 250 | 14,2 | 221,6 | 38,549 | 11,321 | 250 | 5,8 | | |
| | 2570192 | 315 | 17,9 | 279,2 | 61,193 | 17,676 | 300 | 5,8 | | |
| | 2570194 | 355 | 20,1 | 314,8 | 77,793 | 22,266 | 350 | 5,8 | | |
| | 2570196 | 400 | 22,7 | 354,6 | 98,707 | 28,124 | 350 | 5,8 | | |
| | 2570198 | 450 | 25,5 | 399 | 124,973 | 35,364 | 400 | 5,8 | | |
| | 2570200 | 500 | 28,4 | 443,2 | 154,195 | 43,563 | 450 | 5,8 | | |
| | 2570202 | 560 | 31,7 | 496,6 | 193,590 | 54,224 | 500 | 5,8 | | |
| | 2570204 | 630 | 35,7 | 558,6 | 244,947 | 68,420 | 500 | 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 20-125mm straight lengths 4 m ø 160-250mm straight lengths 5,8 m |
| Packing Unit: | PU in meter |
| Application: | |

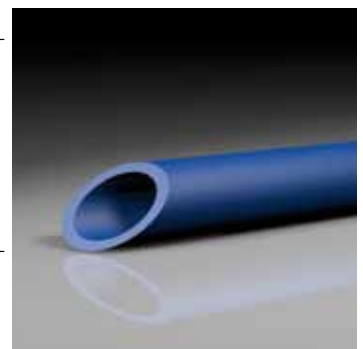
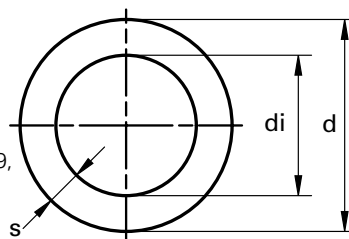


Oxygen tight by diffusion barrier.
Mechanically stabilized through a fibre mix integrated in the middle layer of fusiolen® PP-R.

| SDR | Art.-No. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m/pc |
|-----|----------------|------------------|-----------------------|---------------------------|---------------------|-------------|-------|--------|--------------|
| 7,4 | Socket welding | | | | | | | | |
| | 2170708 | 20 | 2,8 | 14,4 | 0,163 | 0,199 | 15 | 100 | |
| | 2170710 | 25 | 3,5 | 18,0 | 0,254 | 0,299 | 20 | 100 | |
| 11 | 2170712 | 32 | 4,4 | 23,2 | 0,423 | 0,466 | 20 | 40 | |
| | 2170114 | 40 | 3,7 | 32,6 | 0,834 | 0,530 | 32 | 40 | |
| | 2170116 | 50 | 4,6 | 40,8 | 1,307 | 0,794 | 40 | 20 | |
| | 2170118 | 63 | 5,8 | 51,4 | 2,074 | 1,218 | 50 | 20 | |
| | 2170120 | 75 | 6,8 | 61,4 | 2,959 | 1,649 | 65 | 20 | |
| | 2170122 | 90 | 8,2 | 73,6 | 4,252 | 2,379 | 80 | 12 | |
| | 2170124 | 110 | 10 | 90,0 | 6,359 | 3,550 | 8 | 8 | |
| | 2170126 | 125 | 11,4 | 102,2 | 8,199 | 4,576 | 100 | 4 | |
| | Butt welding | | | | | | | | |
| | | 2170130 | 160 | 14,6 | 130,8 | 13,430 | 7,284 | 125 | 5,8 |
| | 2170134 | 200 | 18,2 | 163,6 | 21,010 | 11,000 | 150 | 5,8 | |
| | 2170138 | 250 | 22,7 | 204,6 | 32,861 | 16,700 | 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, also* in coils |
| Packing Unit: | PU in meter |
| Application: | |



| SDR | Art.-No. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m/pc |
|-----|----------|------------------|-----------------------|---------------------------|---------------------|-------------|----|--------|--------------|
| 11 | 2010208 | 20 | 1,9 | 16,2 | 0,206 | 0,110 | 15 | 100 | |
| | 2010210 | 25 | 2,3 | 20,4 | 0,327 | 0,167 | 20 | 100 | |
| | 2010212 | 32 | 2,9 | 26,2 | 0,539 | 0,265 | 25 | 40 | |
| | 2010308* | 20 | 1,9 | 16,2 | 0,206 | 0,107 | 15 | 100 | |
| | 2010310* | 25 | 2,3 | 20,4 | 0,327 | 0,164 | 20 | 100 | |
| | 2010312* | 32 | 2,9 | 26,2 | 0,539 | 0,257 | 25 | 50 | |

lilac was developed exclusively for the field of water recycling and is officially called **aquatherm lilac pipe**. In countries that are highly committed to the environment, like Australia and California, it is already standard to reduce daily water consumption by using recycled water when possible. Now lilac is also regarded in other countries as a standard colour for reclaimed water pipes, giving us both the colour and name for our reclaimed water service lines.

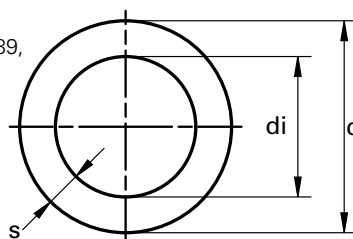
aquatherm lilac pipe

Pipe system made of polypropylene
for reclaimed water

| article-no. | old brand name | new branding structure | | | | |
|-----------------------|-----------------|------------------------|-------------------|--------------------------|-------------------|----------|
| | | new brand name | | Standard Dimension Ratio | structure of pipe | material |
| | | company | system | | | |
| 9010808 . . . 9010226 | aquatherm lilac | aquatherm | lilac pipe | SDR 7,4/ SDR 11 | S | PP-R |

aquatherm lilac pipe - SDR 7,4 / 11 S

Structure of pipe: S (single)
 Material: fusiolen PP-R
 Pipe series: SDR 7,4/S3,5 & SDR 11/S 5
 Standards: DIN 8077/78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, NSF 14
 Colour: lilac
 Form supplied: 4 m straight lengths
 Packing Unit: PU in meter
 Application:

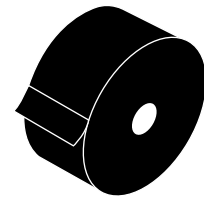


| SDR | Art.-No. | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN | PU [m] | Price € m/pc |
|-----|----------------|------------------|-----------------------|---------------------------|---------------------|-------------|-----|--------|--------------|
| 7,4 | 9010808 | 20 | 2,8 | 14,4 | 0,163 | 0,152 | 15 | 100 | |
| | 9010810 | 25 | 3,5 | 18,0 | 0,254 | 0,226 | 20 | 100 | |
| 11 | 9010212 | 32 | 2,9 | 26,2 | 0,539 | 0,265 | 25 | 40 | |
| | 9010214 | 40 | 3,7 | 32,6 | 0,834 | 0,415 | 32 | 40 | |
| | 9010216 | 50 | 4,6 | 40,8 | 1,307 | 0,645 | 40 | 20 | |
| | 9010218 | 63 | 5,8 | 51,4 | 2,074 | 1,015 | 50 | 20 | |
| | 9010220 | 75 | 6,8 | 61,4 | 2,959 | 1,415 | 65 | 20 | |
| | 9010222 | 90 | 8,2 | 73,6 | 4,252 | 2,045 | 80 | 12 | |
| | 9010224 | 110 | 10,0 | 90,0 | 6,359 | 3,136 | - | 8 | |
| | 9010226 | 125 | 11,4 | 102,2 | 8,199 | 3,927 | 100 | 4 | |

ADHESIVE TAPE TO PROTECT AGAINST UV-RADIATION

for aquatherm-pipes MF UV

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|----------------------------|----------|-----------------|
| 10870 | Width: 30mm Length: 10m | 10m/pckg | |
| 10871 | Width: 50mm Length: 10m | 10m/pckg | |

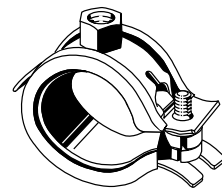


PIPE CLAMPS

Suitable for sliding and fixed point installation.

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

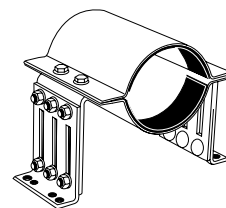
| Art.-No. | for pipe dimension | PU | Box unit | Price € m/pc |
|----------|--------------------|----|----------|-----------------|
| 60516 | 16 mm | 50 | | |
| 60520 | 20 mm | 50 | | |
| 60525 | 25 mm | 50 | | |
| 60532 | 32 mm | 50 | | |
| 60540 | 40 mm | 50 | | |
| 60550 | 50 mm | 50 | | |
| 60563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



PIPE CLAMPS

suitable for fixed point installation

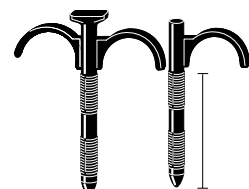
| Art.-No. | for pipe dimension | PU | Box unit | Price € m/pc |
|----------|--------------------|----|----------|-----------------|
| 60768 | 160 mm | 1 | 1 | |
| 60770 | 200 mm | 1 | 1 | |
| 60774 | 250 mm | 1 | 1 | |
| 60778 | 315 mm | 1 | 1 | |
| 60780 | 355 mm | 1 | 1 | |
| 60782 | 400 mm | 1 | 1 | |
| 60784 | 450 mm | 1 | 1 | |
| 60786 | 500 mm | 1 | 1 | |
| 60788 | 560 mm | 1 | 1 | |
| 60790 | 630 mm | 1 | 1 | |



PIPE FASTENING BOW

suitable for ø 16 - 32 mm pipes

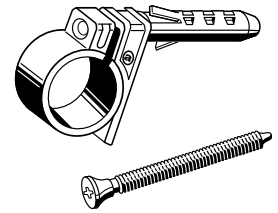
| Art.-No. | for pipe dimension | PU | Box unit | Price € m/pc |
|----------|--------------------------|----|----------|-----------------|
| 60604 | onefold - length = 45 mm | 50 | | |
| 60606 | onefold - length = 75 mm | 50 | | |
| 60608 | double - length = 45 mm | 50 | | |
| 60610 | double - length = 75 mm | 50 | | |



PLASTIC PIPE CLAMPS

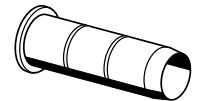
suitable for \varnothing 16 - 40 mm pipes

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



PIPE SUPPORT

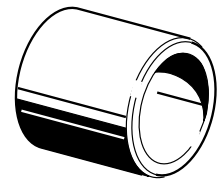
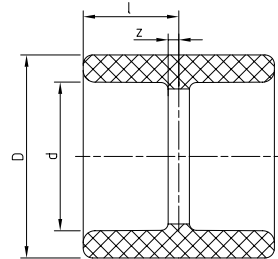
| Art.-No. | for pipe dimension | PU | Box unit | Price € m/pc |
|----------|---|----|----------|--------------|
| 85110 | \varnothing 16 x 2,2 mm - \varnothing 11,4 mm | 10 | | |
| 10186 | \varnothing 16 x 2,7 mm - \varnothing 10,4 mm | 10 | | |



SOCKET

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

Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

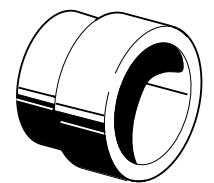
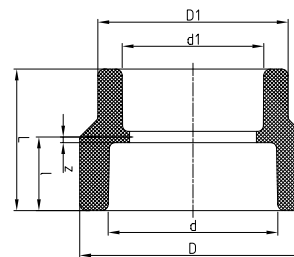


| SDR | Art.-No. | Dimension d [mm] | l | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----------------------------|----------|------------------|-------|------|--------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 17,6 | 11006 | 16 | 15,00 | 2,00 | 24,50 | 0,008 | • | 10 | 2000 | |
| | 11008 | 20 | 16,00 | 1,50 | 29,50 | 0,011 | • • • | 10 | 1500 | |
| | 11010 | 25 | 17,50 | 1,50 | 34,00 | 0,014 | • • • | 10 | 1000 | |
| | 11012 | 32 | 20,25 | 2,25 | 43,00 | 0,026 | • • • | 5 | 600 | |
| | 11014 | 40 | 23,75 | 3,25 | 52,00 | 0,044 | • • • | 5 | 400 | |
| | 11016 | 50 | 26,50 | 3,00 | 68,00 | 0,084 | • • • | 5 | 200 | |
| | 11018 | 63 | 30,25 | 2,75 | 84,00 | 0,139 | • • • | 1 | 100 | |
| | 11020 | 75 | 33,25 | 3,25 | 100,00 | 0,226 | • • • | 1 | 70 | |
| | 11022 | 90 | 36,25 | 3,25 | 120,00 | 0,343 | • • • | 1 | 50 | |
| | 11024 | 110 | 41,00 | 4,00 | 147,00 | 0,583 | • • • | 1 | 30 | |
| | 11026 | 125 | 45,00 | 5,00 | 167,00 | 0,844 | • • • | 1 | 25 | |

REDUCING SOCKET FEMALE/FEMALE

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

Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



| SDR | Art.-No. | Dimension d [mm] | Dimension d1 [mm] | L | l | z | D | D1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----------------------------|----------|------------------|-------------------|-------|-------|--------|--------|--------|-------------|--------|----|----------|--------------|
| double-sided socket welding | | | | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 11222 | 40 | 32 | 44,00 | 24,00 | 3,50 | 52,00 | 43,00 | 0,050 | • • • | 1 | 40 | |
| | 11228 | 50 | 32 | 47,00 | 26,50 | 3,00 | 68,00 | 43,00 | 0,093 | • • • | 1 | 25 | |
| | 11230 | 50 | 40 | 50,50 | 26,50 | 3,00 | 68,00 | 52,00 | 0,098 | • • • | 1 | 100 | |
| | 11236 | 63 | 40 | 54,00 | 30,50 | 3,00 | 84,00 | 52,00 | 0,163 | • • • | 1 | 100 | |
| | 11238 | 63 | 50 | 56,00 | 30,00 | 2,50 | 84,00 | 68,00 | 0,171 | • • • | 1 | 100 | |
| | 11240 | 75 | 50 | 60,00 | 33,50 | 3,50 | 100,00 | 68,00 | 0,258 | • • • | 1 | 80 | |
| | 11242 | 75 | 63 | 62,50 | 32,50 | 2,50 | 100,00 | 84,00 | 0,268 | • • • | 1 | 80 | |
| | 11252 | 90 | 63 | 66,50 | 36,50 | 3,50 | 120,00 | 84,00 | 0,414 | • • • | 1 | 30 | |
| | 11253 | 90 | 75 | 69,00 | 36,00 | 3,00 | 120,00 | 100,00 | 0,430 | • • • | 1 | 50 | |
| | 11257 | 110 | 75 | 74,50 | 41,00 | 4,00 | 147,00 | 100,00 | 0,733 | • • • | 1 | 45 | |
| | 11259 | 110 | 90 | 77,50 | 41,00 | 4,00 | 147,00 | 120,00 | 0,729 | • • • | 1 | 35 | |
| | 11263 | 125 | 90 | 83,00 | 46,00 | 6,00 | 167,00 | 120,00 | 1,075 | • • • | 1 | 25 | |
| 11265 | 125 | 110 | 87,00 | 46,00 | 6,00 | 167,00 | 147,00 | 1,090 | • • • | 1 | 20 | | |

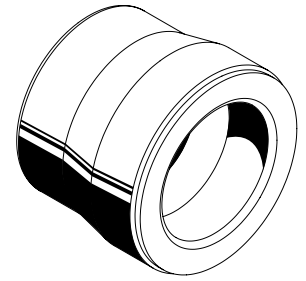
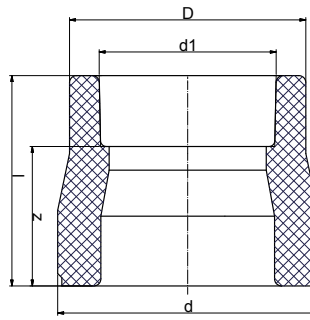
REDUCING SOCKET, SOCKET WELDING

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

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

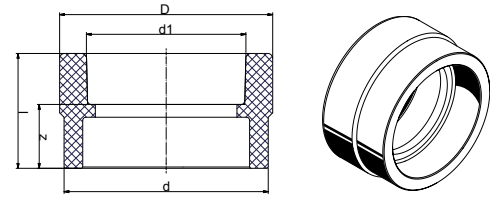
Colour: green



| SDR | Art.-No. | Dimension d [mm] | Dimension d1 [mm] | l | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----------------------------|--------------|------------------|-------------------|-------|--------|-------|-------------|--------|----|----------|--------------|
| double-sided socket welding | | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 11109 | 20 | 16 | 39,00 | 26,00 | 24,50 | 0,009 | • | | 10 | 2000 |
| | 11110 | 25 | 16 | 38,00 | 25,00 | 26,00 | 0,012 | • | | 10 | 2000 |
| | 11112 | 25 | 20 | 38,50 | 24,00 | 29,50 | 0,012 | • | • | 10 | 1500 |
| | 11114 | 32 | 20 | 37,50 | 23,00 | 29,50 | 0,015 | • | • | 5 | 1000 |
| | 11116 | 32 | 25 | 38,00 | 22,00 | 34,00 | 0,016 | • | • | 5 | 1000 |
| | 11118 | 40 | 20 | 45,00 | 30,50 | 29,50 | 0,025 | • | • | 5 | 750 |
| | 11120 | 40 | 25 | 50,00 | 34,00 | 34,00 | 0,028 | • | • | 5 | 600 |
| | 11122 | 40 | 32 | 50,00 | 32,00 | 43,00 | 0,032 | • | • | 5 | 500 |
| | 11124 | 50 | 20 | 55,00 | 40,50 | 29,50 | 0,045 | • | • | 5 | 500 |
| | 11126 | 50 | 25 | 55,00 | 39,00 | 34,00 | 0,044 | • | • | 5 | 500 |
| | 11128 | 50 | 32 | 54,00 | 36,00 | 43,00 | 0,048 | • | • | 5 | 350 |
| | 11130 | 50 | 40 | 52,50 | 32,00 | 52,00 | 0,053 | • | • | 5 | 300 |
| | 11131 | 63 | 20 | 65,00 | 50,50 | 29,50 | 0,073 | • | • | 1 | 200 |
| | 11132 | 63 | 25 | 65,00 | 49,00 | 34,00 | 0,071 | • | • | 1 | 200 |
| | 11134 | 63 | 32 | 62,00 | 44,00 | 43,00 | 0,076 | • | • | 1 | 200 |
| | 11136 | 63 | 40 | 65,00 | 44,50 | 52,00 | 0,089 | • | • | 1 | 200 |
| | 11138 | 63 | 50 | 63,50 | 40,00 | 68,00 | 0,107 | • | • | 1 | 150 |
| | 11139 | 75 | 40 | 69,50 | 49,00 | 52,00 | 0,130 | • | • | 1 | 150 |
| | 11140 | 75 | 50 | 63,00 | 39,50 | 68,00 | 0,141 | • | • | 1 | 100 |
| | 11142 | 75 | 63 | 71,00 | 43,50 | 84,00 | 0,171 | • | • | 1 | 100 |
| 11143 | 75 | 20 | 65,50 | 51,00 | 34,50 | 0,115 | • | • | 1 | 200 | |
| 11144 | 75 | 25 | 65,50 | 49,50 | 34,50 | 0,109 | • | • | 1 | 200 | |
| 11145 | 75 | 32 | 69,50 | 51,50 | 52,00 | 0,140 | • | • | 1 | 150 | |
| 11151 | 90 | 50 | 75,00 | 51,50 | 68,00 | 0,196 | • | • | 1 | 100 | |
| 11152 | 90 | 63 | 78,00 | 50,50 | 84,00 | 0,226 | • | • | 1 | 75 | |
| 11153 | 90 | 75 | 81,50 | 51,50 | 100,00 | 0,272 | • | • | 1 | 60 | |
| 11155 | 110 | 63 | 86,00 | 58,50 | 84,00 | 0,356 | • | • | 1 | 50 | |
| 11157 | 110 | 75 | 89,00 | 59,00 | 100,00 | 0,383 | • | • | 1 | 50 | |
| 11159 | 110 | 90 | 99,00 | 66,00 | 120,00 | 0,502 | • | • | 1 | 40 | |
| 11161 | 125 | 75 | 101,00 | 71,00 | 100,00 | 0,528 | • | • | 1 | 35 | |
| 11163 | 125 | 90 | 99,00 | 66,00 | 120,00 | 0,588 | • | • | 1 | 35 | |
| 11165 | 125 | 110 | 112,00 | 75,00 | 147,00 | 0,833 | • | • | 1 | 25 | |

REDUCING SOCKET, SOCKET & BUTT WELDING

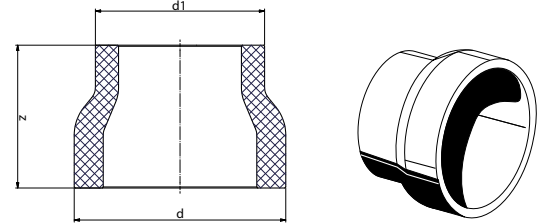
Systems: **aquatherm green pipe**, **aquatherm blue pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



| SDR | Art.-No. | Dimension d [mm] | Dimension d1 [mm] | l | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--|----------|------------------|-------------------|--------|-------|--------|-------------|--------|----|----------|--------------|
| onesided socket welding, other side butt welding | | | | | | | | | | | |
| 7,4 | 11174 | 160 | 110 | 87,00 | 50,00 | 147,00 | 0,721 | • • | 1 | 25 | |
| | 11176 | 160 | 125 | 90,00 | 50,00 | 167,00 | 0,818 | • • | 1 | 20 | |
| | 11182 | 200 | 125 | 135,00 | 95,00 | 167,00 | 1,599 | • • | 1 | 25 | |
| 9 | 311174 | 160 | 110 | 87,00 | 50,00 | 147,00 | 0,669 | • | 1 | | |
| | 311176 | 160 | 125 | 90,00 | 50,00 | 167,00 | 0,754 | • | 1 | | |
| | 311182 | 200 | 125 | 135,00 | 95,00 | 167,00 | 1,453 | • | 1 | | |
| 11 | 11175 | 160 | 110 | 90,00 | 53,00 | 147,00 | 0,595 | • • | 1 | 25 | |
| | 11177 | 160 | 125 | 90,00 | 50,00 | 167,00 | 0,705 | • • | 1 | 20 | |
| | 11183 | 200 | 125 | 135,00 | 95,00 | 167,00 | 1,358 | • • | 1 | | |
| 17,6 | 2511174 | 160 | 110 | 90,00 | 53,00 | 147,00 | | • | 1 | 25 | |
| | 2511176 | 160 | 125 | 90,00 | 50,00 | 167,00 | 0,628 | • | 1 | 25 | |
| | 2511182 | 200 | 125 | 135,00 | 95,00 | 167,00 | 1,055 | • | 1 | | |

REDUCING SOCKET, BUTT WELDING

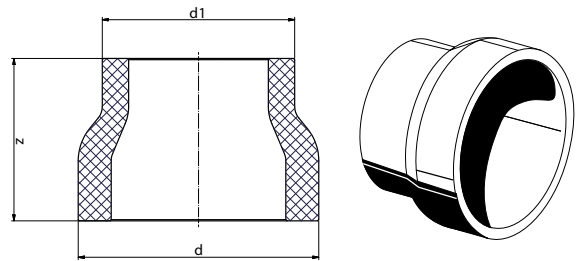
Systems: **aquatherm green pipe**, **aquatherm blue pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



| SDR | Art.-No. | Dimension d [mm] | Dimension d1 [mm] | z | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------------|----------|------------------|-------------------|--------|-------------|--------|----|----------|--------------|
| double-sided butt welding | | | | | | | | | |
| 7,4 | 11184 | 200 | 160 | 135,00 | 1,588 | • | 1 | 12 | |
| | 11188 | 250 | 160 | 172,50 | 2,900 | • | 1 | | |
| | 11190 | 250 | 200 | 172,50 | 3,212 | • | 1 | 5 | |
| 9 | 311184 | 200 | 160 | 135,00 | 1,329 | • | 1 | | |
| | 311188 | 250 | 160 | 172,50 | 2,419 | • | 1 | | |
| | 311190 | 250 | 200 | 172,50 | 2,623 | • | 1 | | |
| | 311192 | 315 | 200 | 225,00 | 4,947 | • | 1 | | |
| | 311194 | 315 | 250 | 225,00 | 5,382 | • | 1 | | |
| | 311196 | 355 | 250 | 170,00 | 5,385 | • | 1 | | |
| | 311198 | 355 | 315 | 160,00 | 4,066 | • | 1 | | |
| 11 | 11185 | 200 | 160 | 135,00 | 1,163 | • • | 1 | 12 | |
| | 11189 | 250 | 160 | 172,50 | 3,472 | • • | 1 | 5 | |
| | 11191 | 250 | 200 | 172,50 | 2,341 | • • | 1 | 5 | |
| | 11193 | 315 | 200 | 225,00 | 3,412 | • • | 1 | | |
| | 11195 | 315 | 250 | 233,00 | 4,650 | • • | 1 | 1 | |
| | 11197 | 355 | 250 | 245,00 | 3,940 | • • | 1 | | |
| | 11199 | 355 | 315 | 160,00 | 4,344 | • • | 1 | 3 | |
| | 11201 | 400 | 250 | 260,00 | | • • | 1 | | |
| | 11203 | 400 | 315 | 260,00 | | • • | 1 | | |
| | 11204 | 400 | 355 | 260,00 | | • • | 1 | | |
| | 11206 | 450 | 315 | 230,00 | | • • | 1 | | |
| 11207 | 450 | 355 | 230,00 | | • • | 1 | | | |
| 11208 | 450 | 400 | 230,00 | | • • | 1 | | | |

REDUCING SOCKET, BUTT WELDING

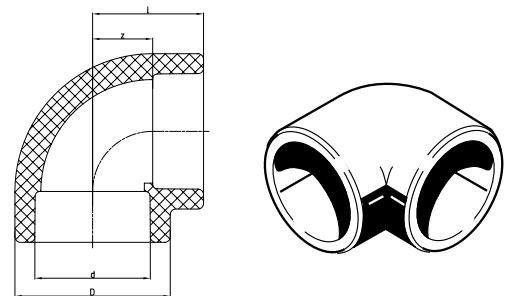
Systems: **aquatherm blue pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



| SDR | Art.-No. | Dimension d [mm] | Dimension d1 [mm] | z | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------------|----------|------------------|-------------------|--------|-------------|--------|----|----------|--------------|
| double-sided butt welding | | | | | | | | | |
| 17,6 | 2511184 | 200 | 160 | 135,00 | 0,786 | • | 1 | | |
| | 2511188 | 250 | 160 | 172,50 | 1,500 | • | 1 | | |
| | 2511190 | 250 | 200 | 172,50 | 1,338 | • | 1 | | |
| | 2511193 | 315 | 200 | 225,00 | | • | 1 | | |
| | 2511195 | 315 | 250 | 225,00 | | • | 1 | | |
| | 2511197 | 355 | 250 | 245,00 | 3,099 | • | 1 | | |
| | 2511199 | 355 | 315 | 160,00 | 3,108 | • | 1 | | |
| | 2511201 | 400 | 250 | 260,00 | 4,482 | • | 1 | | |
| | 2511203 | 400 | 315 | 260,00 | 3,366 | • | 1 | | |
| | 2511204 | 400 | 355 | 260,00 | 2,982 | • | 1 | | |
| | 2511206 | 450 | 315 | 230,00 | 4,891 | • | 1 | | |
| | 2511207 | 450 | 355 | 230,00 | 4,688 | • | 1 | | |
| | 2511208 | 450 | 400 | 230,00 | 4,287 | • | 1 | | |
| | 2511209 | 500 | 315 | 230,00 | 8,100 | • | 1 | | |
| | 2511210 | 500 | 355 | 230,00 | 6,500 | • | 1 | | |
| | 2511211 | 500 | 400 | 230,00 | 6,700 | • | 1 | | |
| | 2511212 | 500 | 450 | 230,00 | 5,500 | • | 1 | | |
| | 2511213 | 560 | 400 | 230,00 | 9,000 | • | 1 | | |
| | 2511214 | 560 | 450 | 200,00 | 8,600 | • | 1 | | |
| 2511215 | 560 | 500 | 200,00 | 7,600 | • | 1 | | | |
| 2511216 | 630 | 400 | 230,00 | 15,100 | • | 1 | | | |
| 2511217 | 630 | 450 | 200,00 | 13,700 | • | 1 | | | |
| 2511218 | 630 | 500 | 200,00 | 11,000 | • | 1 | | | |
| 2511219 | 630 | 560 | 200,00 | 9,000 | • | 1 | | | |

ELBOW 90°

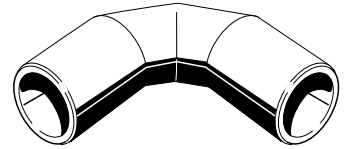
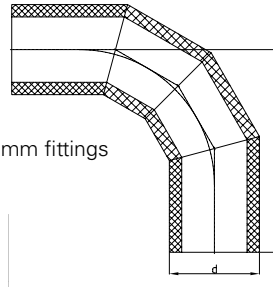
Systems: **aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



| SDR | Art.-No. | Dimension d [mm] | z | l | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----------------------------|----------|------------------|-------|--------|--------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 12106 | 16 | 9,00 | 22,00 | 24,50 | 0,010 | • | 10 | 2000 | |
| | 12108 | 20 | 11,00 | 25,50 | 29,50 | 0,018 | • • • | 10 | 1200 | |
| | 12110 | 25 | 13,50 | 29,50 | 34,00 | 0,023 | • • • | 10 | 800 | |
| | 12112 | 32 | 17,00 | 35,00 | 43,00 | 0,043 | • • • | 5 | 400 | |
| | 12114 | 40 | 21,00 | 41,50 | 52,00 | 0,071 | • • • | 5 | 250 | |
| | 12116 | 50 | 26,00 | 49,50 | 68,00 | 0,163 | • • • | 5 | 125 | |
| | 12118 | 63 | 32,50 | 60,00 | 84,00 | 0,290 | • • • | 1 | 75 | |
| | 12120 | 75 | 38,50 | 68,50 | 100,00 | 0,446 | • • • | 1 | 40 | |
| | 12122 | 90 | 46,00 | 79,00 | 120,00 | 0,743 | • • • | 1 | 25 | |
| | 12124 | 110 | 56,00 | 93,00 | 147,00 | 1,282 | • • • | 1 | 15 | |
| | 12126 | 125 | 76,50 | 116,50 | 167,00 | 2,006 | • • • | 1 | 10 | |

ELBOW 90° BUTT WELDING

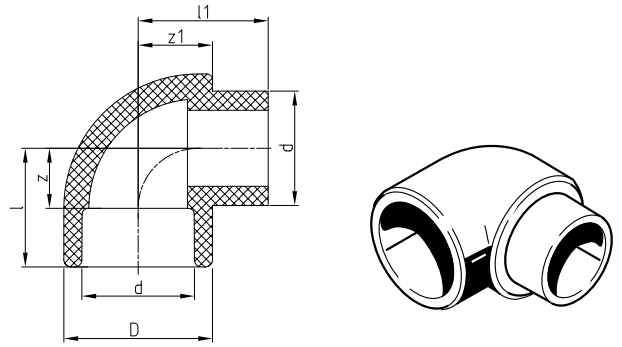
Systems: **aquatherm green pipe, aquatherm blue pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Notice: Electrofusion sockets are not applicable with 160 mm fittings



| SDR | Art.-No. | Dimension d [mm] | z | Weight [kg] | System | | | PU | Box unit | Price € m/pc |
|---|---------------------|------------------|---------|-------------|--------|---|--|----|----------|--------------|
| butt welding | | | | | | | | | | |
| 7,4 | 12130 | 160 | 145,00 | 2,558 | • | | | 1 | 8 | |
| | 12134 | 200 | 450,00 | 11,685 | • | | | 1 | 16 | |
| | 12138 | 250 | 625,00 | 26,000 | • | | | 1 | 7 | |
| 9 | 312130 | 160 | 390,00 | 4,941 | • | | | 1 | | |
| | 312134 | 200 | 450,00 | 8,896 | • | | | 1 | | |
| | 312138 | 250 | 625,00 | 10,418 | • | | | 1 | | |
| | 312142 | 315 | 773,00 | 39,717 | • | | | 1 | | |
| | 312144 | 355 | 833,00 | 52,135 | • | | | 1 | | |
| 11 | 12131 | 160 | 145,00 | 1,912 | • | • | | 1 | 8 | |
| | 12135 | 200 | 450,00 | 8,140 | • | | | 1 | 12 | |
| | 12139 | 250 | 625,00 | 18,000 | • | | | 1 | 6 | |
| | 12143 | 315 | 773,00 | 37,850 | • | | | 1 | 2 | |
| | 12145 | 355 | 833,00 | 37,400 | • | | | 1 | | |
| | 12147 ¹⁾ | 400 | 900,00 | 40,624 | • | | | 1 | | |
| | 12149 ¹⁾ | 450 | 975,00 | 54,430 | • | | | 1 | | |
| 1) mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R | | | | | | | | | | |
| 11 | 2012135 | 200 | 450,00 | 8,014 | | • | | 1 | | |
| | 2012139 | 250 | 625,00 | 18,000 | | • | | 1 | | |
| | 2012143 | 315 | 773,00 | 37,300 | | • | | 1 | | |
| | 2012145 | 355 | 833,00 | 26,650 | | • | | 1 | | |
| | 2012147 | 400 | 900,00 | 74,500 | | • | | 1 | | |
| | 2012149 | 450 | 975,00 | | | • | | 1 | | |
| 17,6 | 2512130 | 160 | 390,00 | 3,200 | | • | | 1 | | |
| | 2512134 | 200 | 450,00 | | | • | | 1 | | |
| | 2512138 | 250 | 625,00 | | | • | | 1 | | |
| | 2512142 | 315 | 773,00 | 24,000 | | • | | 1 | | |
| | 2512144 | 355 | 833,00 | 32,000 | | • | | 1 | | |
| | 2512146 | 400 | 900,00 | | | • | | 1 | | |
| | 2512148 | 450 | 975,00 | | | • | | 1 | | |
| | 2512150 | 500 | 1100,00 | | | • | | 1 | | |
| | 2512152 | 560 | 1190,00 | | | • | | 1 | | |
| | 2512154 | 630 | 1295,00 | | | • | | 1 | | |

ELBOW 90° FEMALE/MALE

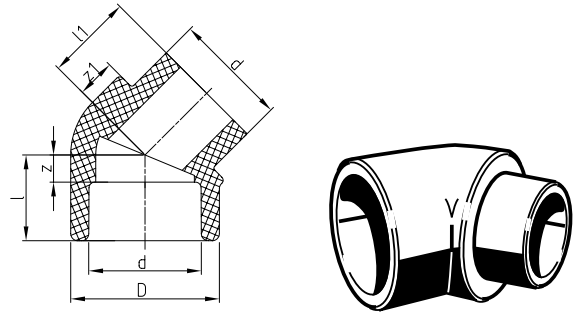
Systems: **aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



| SDR | Art.-No. | Dimension d [mm] | z | l | D | l1 | z1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|------------------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | | | |
| 6 7,4 9 11 | 12306 | 16 | 9,00 | 22,00 | 24,50 | 21,75 | 12,00 | 0,010 | • • • | 10 | 2000 | |
| | 12308 | 20 | 11,00 | 25,50 | 29,50 | 25,50 | 15,00 | 0,017 | • • • | 10 | 1200 | |
| | 12310 | 25 | 13,50 | 29,50 | 34,00 | 29,50 | 17,00 | 0,023 | • • • | 10 | 800 | |
| | 12312 | 32 | 17,00 | 35,00 | 43,00 | 39,00 | 21,50 | 0,047 | • • • | 5 | 400 | |
| | 12314 | 40 | 21,00 | 41,50 | 52,00 | 45,50 | 26,00 | 0,080 | • • • | 5 | 300 | |

ELBOW 45° FEMALE/MALE

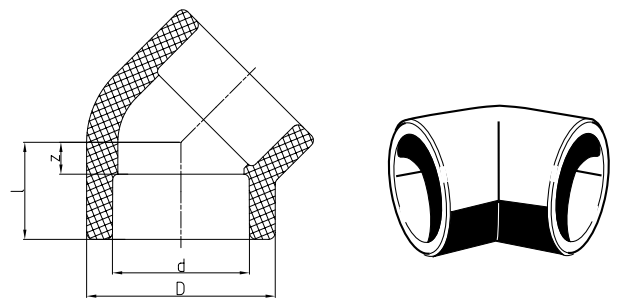
Systems: **aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



| SDR | Art.-No. | Dimension d [mm] | z | l | D | l1 | z1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|------------------|------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | | | |
| 6 7,4 9 11 | 12708 | 20 | 5,00 | 19,50 | 29,50 | 19,50 | 9,00 | 0,013 | • • • | 10 | 1500 | |
| | 12710 | 25 | 6,00 | 22,00 | 34,00 | 22,00 | 8,50 | 0,017 | • • • | 10 | 1000 | |
| | 12712 | 32 | 7,50 | 25,50 | 43,00 | 28,50 | 11,50 | 0,036 | • • • | 5 | 500 | |
| | 12714 | 40 | 9,50 | 30,00 | 52,00 | 30,50 | 13,50 | 0,057 | • • • | 5 | 300 | |

ELBOW 45° SOCKET WELDING

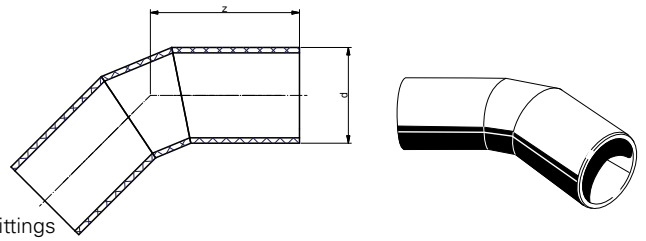
Systems: **aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



| SDR | Art.-No. | Dimension d [mm] | z | l | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----------------------------|--------------|------------------|-------|-------|--------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 12506 | 16 | 4,50 | 17,50 | 24,50 | 0,009 | • • • | 10 | 2000 | |
| | 12508 | 20 | 5,00 | 19,50 | 29,50 | 0,014 | • • • | 10 | 1500 | |
| | 12510 | 25 | 6,00 | 22,00 | 34,00 | 0,018 | • • • | 10 | 1000 | |
| | 12512 | 32 | 7,50 | 25,50 | 43,00 | 0,035 | • • • | 5 | 500 | |
| | 12514 | 40 | 9,50 | 30,00 | 52,00 | 0,053 | • • • | 5 | 300 | |
| | 12516 | 50 | 11,50 | 35,00 | 68,00 | 0,113 | • • • | 5 | 150 | |
| | 12518 | 63 | 14,00 | 41,50 | 84,00 | 0,226 | • • • | 1 | 75 | |
| | 12520 | 75 | 16,50 | 46,50 | 100,00 | 0,350 | • • • | 1 | 60 | |
| | 12522 | 90 | 19,50 | 52,50 | 120,00 | 0,571 | • • • | 1 | 30 | |
| | 12524 | 110 | 23,50 | 60,50 | 147,00 | 1,022 | • • • | 1 | 20 | |
| | 12526 | 125 | 27,00 | 67,00 | 167,00 | 1,309 | • • • | 1 | 15 | |

ELBOW 45° BUTT WELDING

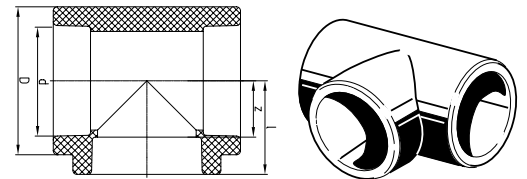
Systems: **aquatherm green pipe**, **aquatherm blue pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Notice: Electrofusion sockets are not applicable with 160 mm fittings



| SDR | Art.-No. | Dimension d [mm] | z | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---|---------------------|------------------|--------|-------------|--------|----|----------|--------------|
| butt welding | | | | | | | | |
| 7,4 | 12530 | 160 | 95,00 | 1,876 | • | 1 | | |
| | 12534 | 200 | 274,00 | 8,175 | • | 1 | | |
| | 12538 | 250 | 412,00 | 2,800 | • | 1 | | |
| 9 | 312530 | 160 | 250,00 | 3,564 | • | 1 | | |
| | 312534 | 200 | 274,00 | 6,120 | • | 1 | | |
| | 312538 | 250 | 412,00 | 14,380 | • | 1 | | |
| | 312542 | 315 | 517,00 | 27,608 | • | 1 | | |
| | 312544 | 355 | 520,00 | 29,974 | • | 1 | | |
| 11 | 12531 | 160 | 95,00 | 1,380 | • • | 1 | | |
| | 12535 | 200 | 274,00 | 5,735 | • | 1 | | |
| | 12539 | 250 | 412,00 | 13,000 | • | 1 | | |
| | 12543 | 315 | 517,00 | 27,300 | • | 1 | | |
| | 12545 | 355 | 520,00 | 26,650 | • | 1 | | |
| | 12547 ¹⁾ | 400 | 548,00 | 47,852 | • | 1 | | |
| | 12549 ¹⁾ | 450 | 580,00 | 62,848 | • | 1 | | |
| 1) mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R | | | | | | | | |
| 11 | 2012535 | 200 | 274,00 | 6,865 | • | 1 | | |
| | 2012539 | 250 | 412,00 | 16,000 | • | 1 | | |
| | 2012543 | 315 | 517,00 | 27,100 | • | 1 | | |
| | 2012545 | 355 | 520,00 | 42,000 | • | 1 | | |
| | 2012547 | 400 | 548,00 | | • | 1 | | |
| | 2012549 | 450 | 580,00 | | • | 1 | | |
| 17,6 | 2512530 | 160 | 249,00 | 1,730 | • | 1 | | |
| | 2512534 | 200 | 274,00 | | • | 1 | | |
| | 2512538 | 250 | 412,00 | 9,400 | • | 1 | | |
| | 2512542 | 315 | 498,00 | 18,000 | • | 1 | | |
| | 2512544 | 355 | 520,00 | | • | 1 | | |
| | 2512546 | 400 | 548,00 | 30,800 | • | 1 | | |
| | 2512548 | 450 | 580,00 | | • | 1 | | |
| | 2512550 | 500 | 665,00 | | • | 1 | | |
| | 2512552 | 560 | 698,00 | | • | 1 | | |
| | 2512554 | 630 | 741,00 | | • | 1 | | |

T-PIECE SOCKET WELDING

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



| SDR | Art.-No. | Dimension d [mm] | z | l | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----------------------------|----------|------------------|--------|--------|--------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 13106 | 16 | 9,00 | 22,00 | 24,50 | 0,015 | • | 10 | 1500 | |
| | 13108 | 20 | 11,00 | 25,50 | 29,50 | 0,022 | • • • | 10 | 800 | |
| | 13110 | 25 | 15,00 | 31,00 | 34,00 | 0,033 | • • • | 10 | 500 | |
| | 13112 | 32 | 17,00 | 35,00 | 43,00 | 0,054 | • • • | 5 | 300 | |
| | 13114 | 40 | 20,00 | 40,50 | 52,00 | 0,099 | • • • | 5 | 200 | |
| | 13116 | 50 | 26,00 | 49,50 | 68,00 | 0,175 | • • • | 5 | 100 | |
| | 13118 | 63 | 32,50 | 60,00 | 84,00 | 0,371 | • • • | 1 | 50 | |
| | 13120 | 75 | 38,50 | 68,50 | 100,00 | 0,540 | • • • | 1 | 30 | |
| | 13122 | 90 | 46,00 | 79,00 | 120,00 | 0,924 | • • • | 1 | 25 | |
| | 13124 | 110 | 56,00 | 93,00 | 147,00 | 1,611 | • • • | 1 | 14 | |
| 13126 | 125 | 76,50 | 116,50 | 167,00 | 2,655 | • • • | 1 | 8 | | |

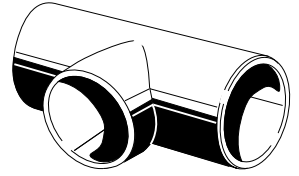
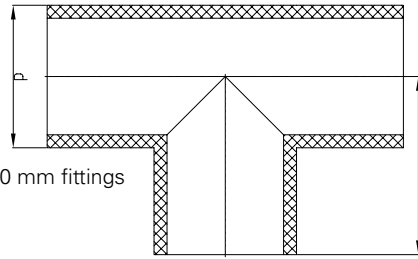
T-PIECE BUTT WELDING

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

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

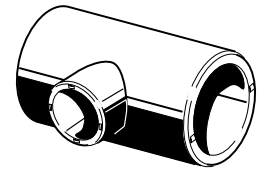
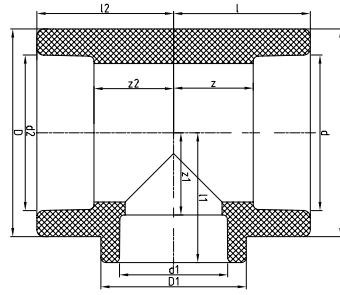
Notice: Electrofusion sockets are not applicable with 160 mm fittings



| SDR | Art.-No. | Dimension d [mm] | z | Weight [kg] | System | | PU | Box unit | Price € m/pc |
|---|---------------------------|------------------|--------|-------------|--------|---|----|----------|--------------|
| 7,4 | butt welding | | | | | | | | |
| | 13130 | 160 | 145,00 | 3,575 | • | | 1 | 5 | |
| | 13134 | 200 | 250,00 | 9,825 | • | | 1 | 2 | |
| | 13138 | 250 | 375,00 | 22,000 | • | | 1 | 8 | |
| 9 | 313130 | 160 | 230,00 | 4,333 | • | | 1 | | |
| | 313134 | 200 | 250,00 | 7,236 | • | | 1 | | |
| | 313138 | 250 | 375,00 | 17,400 | • | | 1 | | |
| | 313142 | 315 | 460,00 | 33,810 | • | | 1 | | |
| | 313144 | 355 | 480,00 | 44,306 | • | | 1 | | |
| 11 | 13131 | 160 | 145,00 | 2,791 | • | • | 1 | 5 | |
| | 13135 | 200 | 250,00 | 6,865 | • | | 1 | 2 | |
| | 13139 | 250 | 375,00 | 16,000 | • | | 1 | 8 | |
| | 13143 | 315 | 460,00 | 20,450 | • | | 1 | | |
| | 13145 | 355 | 480,00 | | • | | 1 | | |
| | 13147¹⁾ | 400 | 500,00 | 47,852 | • | | 1 | | |
| | 13149¹⁾ | 450 | 525,00 | 62,848 | • | | 1 | | |
| 1) mechanically stabilized through a fibre mix integrated in the middle layer of the fusiolen® PP-R | | | | | | | | | |
| 11 | 2013135 | 200 | 250,00 | 6,865 | | • | 1 | | |
| | 2013139 | 250 | 375,00 | 16,000 | | • | 1 | | |
| | 2013143 | 315 | 460,00 | 20,450 | | • | 1 | | |
| | 2013145 | 355 | 480,00 | 42,000 | | • | 1 | | |
| | 2013147 | 400 | 500,00 | | | • | 1 | | |
| | 2013149 | 450 | 525,00 | | | • | 1 | | |
| 17,6 | 2513130 | 160 | 145,00 | 2,716 | | • | 1 | | |
| | 2513134 | 200 | 250,00 | | | • | 1 | | |
| | 2513138 | 250 | 375,00 | 11,500 | | • | 1 | | |
| | 2513142 | 315 | 460,00 | 22,000 | | • | 1 | | |
| | 2513144 | 355 | 480,00 | 27,500 | | • | 1 | | |
| | 2513146 | 400 | 500,00 | | | • | 1 | | |
| | 2513148 | 450 | 525,00 | | | • | 1 | | |
| | 2513150 | 500 | 600,00 | | | • | 1 | | |
| | 2513152 | 560 | 630,00 | | | • | 1 | | |
| | 2513154 | 630 | 665,00 | | | • | 1 | | |

RED.- T-PIECE, SOCKET WELDING

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

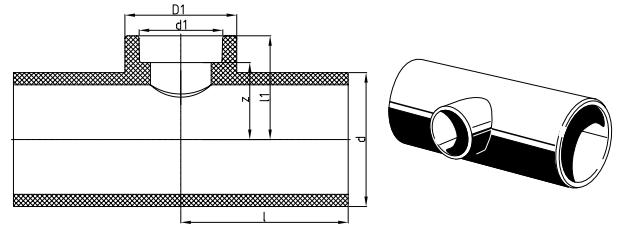


| SDR | Art.-No. | d | d1 | d2 | l | l1 | l2 | z | z1 | z2 | D | D1 | Weight [kg] | System | PU | Box unit | Price € m/pc | | |
|-----------------------------|---------------------|-----|-----|--------|--------|--------|-------|-------|-------|--------|--------|-------|-------------|--------|----|----------|--------------|-----|--|
| socket welding | | | | | | | | | | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 13506 | 20 | 16 | 16 | 25,50 | 25,50 | 25,50 | 11,00 | 12,00 | 12,50 | 29,50 | 29,50 | 0,025 | • | | 10 | 1000 | | |
| | 13508 | 20 | 16 | 20 | 25,50 | 25,50 | 25,50 | 11,00 | 12,00 | 11,00 | 29,50 | 29,50 | 0,024 | • | | 10 | 1000 | | |
| | 13510 | 20 | 20 | 16 | 25,50 | 25,50 | 25,50 | 11,00 | 11,00 | 12,50 | 29,50 | 29,50 | 0,023 | • | | 10 | 1000 | | |
| | 13511 | 20 | 25 | 20 | 31,00 | 30,50 | 31,00 | 16,50 | 14,50 | 16,50 | 34,00 | 34,00 | 0,040 | • | • | • | 10 | 500 | |
| | 13512 | 25 | 16 | 16 | 31,00 | 30,50 | 31,00 | 15,00 | 17,50 | 18,00 | 34,00 | 34,00 | 0,043 | • | | | 10 | 500 | |
| | 13514 | 25 | 16 | 20 | 31,00 | 30,50 | 31,00 | 15,00 | 17,50 | 16,50 | 34,00 | 34,00 | 0,041 | • | | | 10 | 500 | |
| | 13516 | 25 | 16 | 25 | 31,00 | 30,50 | 31,00 | 15,00 | 17,50 | 15,00 | 34,00 | 34,00 | 0,038 | • | | | 10 | 500 | |
| | 13520 | 25 | 20 | 20 | 31,00 | 30,50 | 31,00 | 15,00 | 16,00 | 16,50 | 34,00 | 34,00 | 0,039 | • | • | • | 10 | 500 | |
| | 13522 | 25 | 20 | 25 | 31,00 | 30,50 | 31,00 | 15,00 | 16,00 | 15,00 | 34,00 | 34,00 | 0,036 | • | • | • | 10 | 500 | |
| | 13528 | 32 | 16 | 32 | 35,00 | 31,00 | 35,00 | 17,00 | 18,00 | 17,00 | 43,00 | 29,50 | 0,053 | • | • | • | 5 | 300 | |
| | 13532 | 32 | 20 | 20 | 36,50 | 37,00 | 36,50 | 18,75 | 22,50 | 22,25 | 43,00 | 43,00 | 0,075 | • | • | • | 5 | 300 | |
| | 13534 | 32 | 20 | 32 | 35,00 | 31,00 | 35,00 | 17,00 | 16,50 | 17,00 | 43,00 | 29,50 | 0,049 | • | • | • | 5 | 300 | |
| | 13538 | 32 | 25 | 25 | 35,00 | 34,50 | 35,00 | 17,00 | 18,50 | 15,00 | 43,00 | 43,00 | 0,069 | • | • | • | 5 | | |
| | 13540 | 32 | 25 | 32 | 35,00 | 34,50 | 35,00 | 17,00 | 18,50 | 17,00 | 43,00 | 43,00 | 0,050 | • | • | • | 5 | 300 | |
| | 13542 | 40 | 20 | 40 | 41,50 | 36,00 | 41,50 | 21,00 | 21,50 | 21,00 | 52,00 | 34,00 | 0,091 | • | • | • | 5 | 200 | |
| | 13544 | 40 | 25 | 40 | 41,50 | 36,00 | 41,50 | 21,00 | 20,00 | 21,00 | 52,00 | 34,00 | 0,090 | • | • | • | 5 | 200 | |
| | 13546 | 40 | 32 | 40 | 42,00 | 40,50 | 42,00 | 21,50 | 22,50 | 21,50 | 52,00 | 52,00 | 0,092 | • | • | • | 5 | 200 | |
| | 13547 | 50 | 20 | 50 | 49,50 | 40,50 | 49,50 | 26,00 | 26,00 | 26,00 | 68,00 | 29,50 | 0,161 | • | • | • | 5 | 100 | |
| | 13548 | 50 | 25 | 50 | 49,50 | 44,50 | 49,50 | 26,00 | 28,50 | 26,00 | 68,00 | 43,00 | 0,158 | • | • | • | 5 | 100 | |
| | 13550 | 50 | 32 | 50 | 49,50 | 44,50 | 49,50 | 26,00 | 26,50 | 26,00 | 68,00 | 43,00 | 0,159 | • | • | • | 5 | 100 | |
| | 13551 | 50 | 40 | 50 | 49,50 | 49,50 | 49,50 | 26,00 | 29,00 | 26,00 | 68,00 | 68,00 | 0,161 | • | • | • | 5 | 100 | |
| | 13552 | 63 | 20 | 63 | 60,00 | 48,50 | 60,00 | 32,50 | 34,00 | 32,50 | 84,00 | 34,00 | 0,334 | • | • | • | 1 | 50 | |
| | 13554 | 63 | 25 | 63 | 60,00 | 48,50 | 60,00 | 32,50 | 32,50 | 32,50 | 84,00 | 34,00 | 0,329 | • | • | • | 1 | 50 | |
| | 13556 | 63 | 32 | 63 | 60,00 | 53,50 | 60,00 | 32,50 | 35,50 | 32,50 | 84,00 | 52,00 | 0,342 | • | • | • | 1 | 50 | |
| | 13558 | 63 | 40 | 63 | 60,00 | 53,50 | 60,00 | 32,50 | 33,00 | 32,50 | 84,00 | 52,00 | 0,333 | • | • | • | 1 | 50 | |
| | 13560 | 63 | 50 | 63 | 60,00 | 60,00 | 60,00 | 32,50 | 36,50 | 32,50 | 84,00 | 84,00 | 0,402 | • | • | • | 1 | 50 | |
| | 13561 | 75 | 20 | 75 | 68,50 | 54,50 | 68,50 | 38,50 | 40,00 | 38,50 | 100,00 | 34,00 | 0,501 | • | • | • | 1 | 35 | |
| | 13562 | 75 | 25 | 75 | 68,50 | 54,50 | 68,50 | 38,50 | 38,50 | 38,50 | 100,00 | 34,00 | 0,497 | • | • | • | 1 | 35 | |
| | 13564 | 75 | 32 | 75 | 68,50 | 59,00 | 68,50 | 38,50 | 41,00 | 38,50 | 100,00 | 52,00 | 0,506 | • | • | • | 1 | 35 | |
| | 13566 | 75 | 40 | 75 | 68,50 | 59,00 | 68,50 | 38,50 | 38,50 | 38,50 | 100,00 | 52,00 | 0,496 | • | • | • | 1 | 35 | |
| | 13568 | 75 | 50 | 75 | 68,50 | 66,00 | 68,50 | 38,50 | 42,50 | 38,50 | 100,00 | 84,00 | 0,553 | • | • | • | 1 | 35 | |
| | 13570 | 75 | 63 | 75 | 68,50 | 66,00 | 68,50 | 38,50 | 38,50 | 38,50 | 100,00 | 84,00 | 0,518 | • | • | • | 1 | 35 | |
| | 13576 ¹⁾ | 90 | 32 | 90 | 79,00 | 65,00 | 79,00 | 46,00 | 47,00 | 46,00 | 120,00 | 52,00 | 0,882 | • | • | • | 1 | 25 | |
| 13578 ¹⁾ | 90 | 40 | 90 | 79,00 | 65,00 | 79,00 | 46,00 | 44,50 | 46,00 | 120,00 | 52,00 | 0,870 | • | • | • | 1 | 25 | | |
| 13580 ¹⁾ | 90 | 50 | 90 | 79,00 | 75,00 | 79,00 | 46,00 | 51,50 | 46,00 | 120,00 | 84,00 | 0,908 | • | • | • | 1 | 25 | | |
| 13582 ¹⁾ | 90 | 63 | 90 | 79,00 | 75,00 | 79,00 | 46,00 | 47,50 | 46,00 | 120,00 | 84,00 | 0,874 | • | • | • | 1 | 25 | | |
| 13584 ¹⁾ | 90 | 75 | 90 | 79,00 | 81,00 | 79,00 | 46,00 | 51,00 | 46,00 | 120,00 | 120,00 | 0,993 | • | • | • | 1 | 25 | | |
| 13586 ¹⁾ | 110 | 63 | 110 | 93,00 | 87,50 | 93,00 | 56,00 | 60,00 | 56,00 | 147,00 | 100,00 | 1,567 | • | • | • | 1 | 15 | | |
| 13588 ¹⁾ | 110 | 75 | 110 | 93,00 | 87,50 | 93,00 | 56,00 | 57,50 | 56,00 | 147,00 | 100,00 | 1,501 | • | • | • | 1 | 15 | | |
| 13590 ¹⁾ | 110 | 90 | 110 | 93,00 | 89,00 | 93,00 | 56,00 | 56,00 | 56,00 | 147,00 | 120,00 | 1,534 | • | • | • | 1 | 15 | | |
| 13592 ¹⁾ | 125 | 75 | 125 | 116,50 | 106,50 | 116,50 | 76,50 | 76,50 | 76,50 | 167,00 | 100,00 | 2,421 | • | • | • | 1 | 8 | | |
| 13594 ¹⁾ | 125 | 90 | 125 | 116,50 | 109,50 | 116,50 | 76,50 | 76,50 | 76,50 | 167,00 | 120,00 | 2,519 | • | • | • | 1 | 8 | | |
| 13596 ¹⁾ | 125 | 110 | 125 | 116,50 | 113,50 | 116,50 | 76,50 | 76,50 | 76,50 | 167,00 | 147,00 | 2,563 | • | • | • | 1 | 8 | | |

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

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

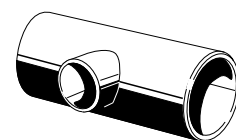
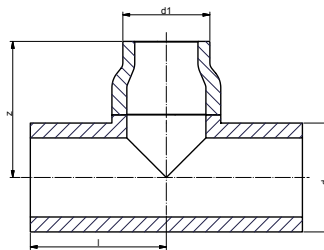
Systems: **aquatherm green pipe, aquatherm blue pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Branch: socket welding



| SDR | Art.-No. | d | d1 | l | l1 | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------|------------------------|-----|--------|--------|--------|--------|--------|-------------|--------|----|----------|--------------|
| 7,4 | branch: socket welding | | | | | | | | | | | |
| | 13600 | 160 | 75 | 230,00 | 122,00 | 92,00 | 100,00 | 4,414 | • | | 1 | 4 |
| | 13602 | 160 | 90 | 230,00 | 125,00 | 92,00 | 120,00 | 4,515 | • | | 1 | 4 |
| | 13608 | 200 | 75 | 250,00 | 142,00 | 112,00 | 100,00 | 7,110 | • | | 1 | 1 |
| | 13610 | 200 | 90 | 250,00 | 145,00 | 112,00 | 120,00 | 7,540 | • | | 1 | 1 |
| | 13612 | 200 | 110 | 250,00 | 149,00 | 112,00 | 147,00 | 7,325 | • | | 1 | 1 |
| | 13614 | 200 | 125 | 250,00 | 155,00 | 115,00 | 167,00 | 7,645 | • | | 1 | 1 |
| | 13624 | 250 | 75 | 375,00 | 167,00 | 137,00 | 100,00 | 16,600 | • | | 1 | 10 |
| | 13626 | 250 | 90 | 375,00 | 170,00 | 137,00 | 120,00 | 16,800 | • | | 1 | 10 |
| 13628 | 250 | 110 | 375,00 | 174,00 | 137,00 | 147,00 | 16,800 | • | | 1 | 10 | |
| 13630 | 250 | 125 | 375,00 | 180,00 | 140,00 | 167,00 | 17,000 | • | | 1 | 10 | |
| 9 | 313600 | 160 | 75 | 230,00 | 122,00 | 92,00 | 100,00 | 3,48 | • | | 1 | |
| | 313602 | 160 | 90 | 230,00 | 125,00 | 92,00 | 120,00 | 3,57 | • | | 1 | |
| | 313608 | 200 | 75 | 250,00 | 142,00 | 112,00 | 100,00 | 5,81 | • | | 1 | |
| | 313610 | 200 | 90 | 250,00 | 145,00 | 112,00 | 120,00 | 5,89 | • | | 1 | |
| | 313612 | 200 | 110 | 250,00 | 149,00 | 112,00 | 147,00 | 6,20 | • | | 1 | |
| | 313614 | 200 | 125 | 250,00 | 155,00 | 115,00 | 167,00 | 6,35 | • | | 1 | |
| | 313624 | 250 | 75 | 375,00 | 167,00 | 137,00 | 100,00 | 14,72 | • | | 1 | |
| | 313626 | 250 | 90 | 375,00 | 170,00 | 137,00 | 120,00 | 14,84 | • | | 1 | |
| | 313628 | 250 | 110 | | | | | | | | 1 | |
| | 313630 | 250 | 125 | 375,00 | 180,00 | 140,00 | 167,00 | 15,33 | • | | 1 | |
| 313904 | 315 | 125 | | | | | | | | 1 | | |
| 313916 | 355 | 125 | 480,00 | | 193,00 | | 45,950 | • | | 1 | 1 | |
| 11 | 13601 | 160 | 75 | 230,00 | 122,00 | 92,00 | 100,00 | 3,140 | • | • | 1 | 4 |
| | 13603 | 160 | 90 | 230,00 | 125,00 | 92,00 | 120,00 | 3,176 | • | • | 1 | 4 |
| | 13609 | 200 | 75 | 250,00 | 142,00 | 112,00 | 100,00 | 5,284 | • | | 1 | 1 |
| | 13611 | 200 | 90 | 250,00 | 145,00 | 112,00 | 120,00 | 5,168 | • | | 1 | 1 |
| | 13613 | 200 | 110 | 250,00 | 149,00 | 112,00 | 147,00 | 5,648 | • | | 1 | 1 |
| | 13615 | 200 | 125 | 250,00 | 155,00 | 115,00 | 167,00 | 5,786 | • | | 1 | 1 |
| | 13625 | 250 | 75 | 375,00 | 167,00 | 137,00 | 100,00 | 12,000 | • | | 1 | 10 |
| | 13627 | 250 | 90 | 375,00 | 170,00 | 137,00 | 120,00 | 12,000 | • | | 1 | 10 |
| | 13629 | 250 | 110 | 375,00 | 174,00 | 137,00 | 147,00 | 13,000 | • | | 1 | 10 |
| | 13631 | 250 | 125 | 375,00 | 180,00 | 140,00 | 167,00 | 12,000 | • | | 1 | 10 |
| | 13651 | 315 | 125 | 460,00 | 213,00 | 173,00 | 167,00 | 25,150 | • | | 1 | |
| | 13663 | 355 | 125 | 480,00 | 233,00 | 193,00 | 167,00 | | • | | 1 | |
| | 13676 | 400 | 125 | 500,00 | 255,00 | 215,00 | 167,00 | | • | | 1 | |
| | 13690 | 450 | 125 | 525,00 | 280,00 | 240,00 | 167,00 | | • | | 1 | |

RED.- T-PIECE, BUTT WELDING

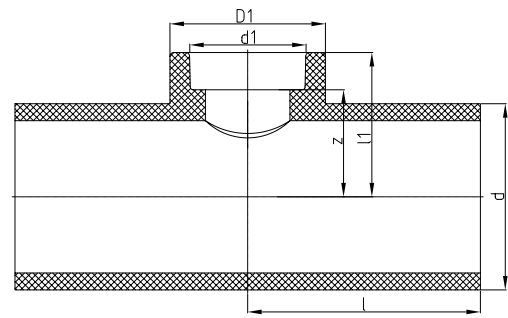
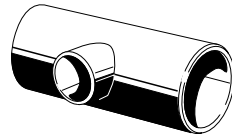
Systems: **aquatherm green pipe**
 Material: Fusiolen® PP-R & PP-RP
 Standard: DIN 16962, DIN EN ISO 15874
 Branch: butt welding



| SDR | Art.-No. | d | d1 | l | z | Weight [kg] | System | PU | Box unit | Price € m/pc | |
|--------|----------------------|-----|--------|--------|--------|-------------|--------|----|----------|-----------------|--|
| 7,4 | branch: butt welding | | | | | | | | | | |
| | 13618 | 200 | 160 | 250,00 | 250,00 | 250,00 | • | | 1 | | |
| | 13634 | 250 | 160 | 375,00 | 682,00 | 28,000 | • | | 1 | 4 | |
| | 13640 | 250 | 200 | 375,00 | 375,00 | 27,000 | • | | 1 | 4 | |
| 9 | 313618 | 200 | 160 | 250,00 | 250,00 | 6,42 | • | | 1 | | |
| | 313634 | 250 | 160 | 375,00 | 682,00 | 22,070 | • | | 1 | 1 | |
| | 313640 | 250 | 200 | 375,00 | 548,00 | 17,470 | • | | 1 | 1 | |
| | 313906 | 315 | 160 | 460,00 | 238,00 | 29,310 | • | | 1 | 1 | |
| | 313908 | 315 | 200 | 460,00 | 460,00 | 35,900 | • | | 1 | 1 | |
| | 313910 | 315 | 250 | 460,00 | 460,00 | 36,400 | • | | 1 | 1 | |
| | 313918 | 355 | 160 | 480,00 | 258,00 | 46,500 | • | | 1 | 1 | |
| | 313920 | 355 | 200 | 480,00 | 268,00 | 38,950 | • | | 1 | 1 | |
| | 313922 | 355 | 250 | 480,00 | 480,00 | 22,070 | • | | 1 | 1 | |
| 313924 | 355 | 315 | 480,00 | 480,00 | 17,470 | • | | 1 | 1 | | |
| 11 | 13619 | 200 | 160 | 250,00 | 250,00 | | • | | 1 | | |
| | 13635 | 250 | 160 | 375,00 | 375,00 | 19,500 | • | | 1 | 4 | |
| | 13641 | 250 | 200 | 375,00 | 375,00 | 18,500 | • | | 1 | 4 | |
| | 13653 | 315 | 160 | 460,00 | 238,00 | 24,850 | • | | 1 | | |
| | 13655 | 315 | 200 | 460,00 | 460,00 | 29,400 | • | | 1 | | |
| | 13657 | 315 | 250 | 460,00 | 460,00 | 30,250 | • | | 1 | | |
| | 13665 | 355 | 160 | 480,00 | 258,00 | | • | | 1 | | |
| | 13667 | 355 | 200 | 480,00 | 268,00 | | • | | 1 | | |
| | 13669 | 355 | 250 | 480,00 | 480,00 | | • | | 1 | | |
| | 13671 | 355 | 315 | 480,00 | 480,00 | | • | | 1 | | |
| | 13678 | 400 | 160 | 500,00 | 354,00 | | • | | 1 | | |
| | 13680 | 400 | 200 | 500,00 | 318,00 | | • | | 1 | | |
| | 13682 | 400 | 250 | 500,00 | 280,00 | | • | | 1 | | |
| | 13684 | 400 | 315 | 500,00 | 500,00 | | • | | 1 | | |
| | 13685 | 400 | 355 | 500,00 | 500,00 | | • | | 1 | | |
| | 13692 | 450 | 160 | 525,00 | 379,00 | | • | | 1 | | |
| | 13694 | 450 | 200 | 525,00 | 343,00 | | • | | 1 | | |
| 13696 | 450 | 250 | 525,00 | 305,00 | | • | | 1 | | | |
| 13698 | 450 | 315 | 525,00 | 315,00 | | • | | 1 | | | |
| 13699 | 450 | 355 | 525,00 | 525,00 | | • | | 1 | | | |
| 13700 | 450 | 400 | 525,00 | 525,00 | | • | | 1 | | | |

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

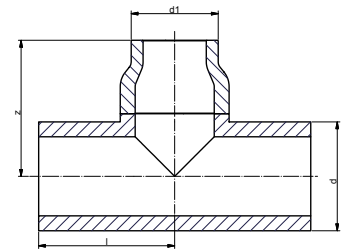
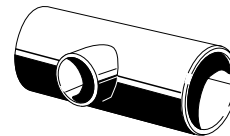
Systems: **aquatherm blue pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: blue/green
 Branch: socket welding



| SDR | Art.-No. | d | d1 | l | l1 | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|------------------------|----------|-----|--------|--------|--------|--------|--------|-------------|--------|----|----------|--------------|
| branch: socket welding | | | | | | | | | | | | |
| 11 | 2013609 | 200 | 75 | 250,00 | 142,00 | 112,00 | 100,00 | | • | 1 | | |
| | 2013611 | 200 | 90 | 250,00 | 145,00 | 112,00 | 120,00 | | • | 1 | | |
| | 2013613 | 200 | 110 | 250,00 | 149,00 | 112,00 | 147,00 | | • | 1 | | |
| | 2013615 | 200 | 125 | 250,00 | 155,00 | 115,00 | 167,00 | | • | 1 | | |
| | 2013625 | 250 | 75 | 375,00 | 167,00 | 137,00 | 100,00 | | • | 1 | | |
| | 2013627 | 250 | 90 | 375,00 | 170,00 | 137,00 | 120,00 | | • | 1 | | |
| | 2013629 | 250 | 110 | 375,00 | 174,00 | 137,00 | 147,00 | | • | 1 | | |
| | 2013631 | 250 | 125 | 375,00 | 180,00 | 140,00 | 167,00 | | • | 1 | | |
| | 2013651 | 315 | 125 | 460,00 | 213,00 | 173,00 | 167,00 | 25,000 | • | 1 | | |
| | 2013663 | 355 | 125 | 480,00 | 233,00 | 193,00 | 167,00 | | • | 1 | | |
| | 2013676 | 400 | 125 | 500,00 | 255,00 | 215,00 | 167,00 | | • | 1 | | |
| 2013690 | 450 | 125 | 525,00 | 280,00 | 240,00 | 167,00 | | • | 1 | | | |

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

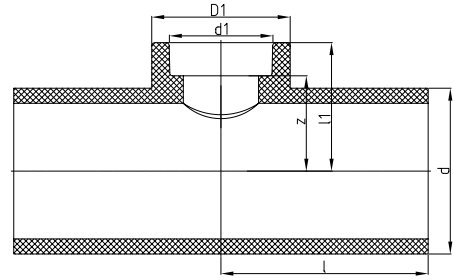
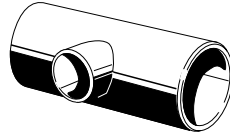
Systems: **aquatherm blue pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: blue/green
 Branch: butt welding



| SDR | Art.-No. | d | d1 | l | z | Weight [kg] | System | PU | Box unit | Price € m/pc |
|----------------------|----------|-----|--------|--------|--------|-------------|--------|----|----------|--------------|
| branch: butt welding | | | | | | | | | | |
| 11 | 2013619 | 200 | 160 | 250,00 | 250,00 | | • | 1 | | |
| | 2013635 | 250 | 160 | 375,00 | 682,00 | | • | 1 | | |
| | 2013641 | 250 | 200 | 375,00 | 548,00 | | • | 1 | | |
| | 2013653 | 315 | 160 | 460,00 | 238,00 | 25,000 | • | 1 | | |
| | 2013655 | 315 | 200 | 460,00 | 460,00 | | • | 1 | | |
| | 2013657 | 315 | 250 | 460,00 | 460,00 | | • | 1 | | |
| | 2013665 | 355 | 160 | 480,00 | 258,00 | | • | 1 | | |
| | 2013667 | 355 | 200 | 480,00 | 268,00 | 30,200 | • | 1 | | |
| | 2013669 | 355 | 250 | 480,00 | 480,00 | 40,000 | • | 1 | | |
| | 2013671 | 355 | 315 | 480,00 | 480,00 | 40,000 | • | 1 | | |
| | 2013678 | 400 | 160 | 500,00 | 354,00 | | • | 1 | | |
| | 2013680 | 400 | 200 | 500,00 | 318,00 | | • | 1 | | |
| | 2013682 | 400 | 250 | 500,00 | 280,00 | 46,000 | • | 1 | | |
| | 2013684 | 400 | 315 | 500,00 | 500,00 | | • | 1 | | |
| | 2013685 | 400 | 355 | 500,00 | 500,00 | | • | 1 | | |
| | 2013692 | 450 | 160 | 525,00 | 379,00 | | • | 1 | | |
| | 2013694 | 450 | 200 | 525,00 | 343,00 | | • | 1 | | |
| | 2013696 | 450 | 250 | 525,00 | 305,00 | | • | 1 | | |
| | 2013698 | 450 | 315 | 525,00 | 315,00 | | • | 1 | | |
| 2013699 | 450 | 355 | 525,00 | 525,00 | | • | 1 | | | |
| 2013700 | 450 | 400 | 525,00 | 525,00 | | • | 1 | | | |

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

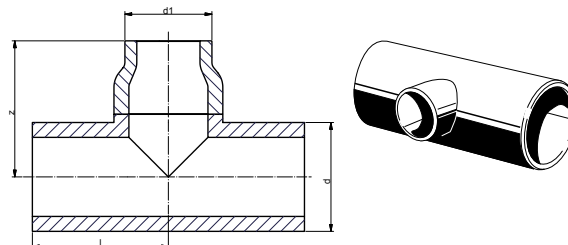
Systems: **aquatherm blue pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: blue
 Branch: socket welding



| SDR | Art.-No. | d | d1 | l | l1 | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------|------------------------|-----|--------|--------|--------|--------|--------|-------------|--------|----|----------|-----------------|
| 17,6 | branch: socket welding | | | | | | | | | | | |
| | 2513600 | 160 | 75 | 230,00 | 122,00 | 92,00 | 100,00 | | • | 1 | | |
| | 2513602 | 160 | 90 | 230,00 | 125,00 | 92,00 | 120,00 | | • | 1 | | |
| | 2513608 | 200 | 75 | 250,00 | 142,00 | 112,00 | 100,00 | | • | 1 | | |
| | 2513610 | 200 | 90 | 250,00 | 145,00 | 112,00 | 120,00 | | • | 1 | | |
| | 2513612 | 200 | 110 | 250,00 | 149,00 | 112,00 | 147,00 | | • | 1 | | |
| | 2513614 | 200 | 125 | 250,00 | 155,00 | 115,00 | 167,00 | | • | 1 | | |
| | 2513624 | 250 | 75 | 375,00 | 167,00 | 137,00 | 100,00 | | • | 1 | | |
| | 2513626 | 250 | 90 | 375,00 | 170,00 | 137,00 | 120,00 | | • | 1 | | |
| | 2513628 | 250 | 110 | 375,00 | 174,00 | 137,00 | 147,00 | | • | 1 | | |
| | 2513630 | 250 | 125 | 375,00 | 180,00 | 140,00 | 167,00 | | • | 1 | | |
| | 2513651 | 315 | 125 | 460,00 | 213,00 | 173,00 | 167,00 | | • | 1 | | |
| | 2513663 | 355 | 125 | 480,00 | 233,00 | 193,00 | 167,00 | 21,500 | • | 1 | | |
| | 2513676 | 400 | 125 | 500,00 | 255,00 | 215,00 | 167,00 | | • | 1 | | |
| | 2513690 | 450 | 125 | 525,00 | 280,00 | 240,00 | 167,00 | | • | 1 | | |
| | 2513804 | 500 | 125 | 600,00 | 305,00 | 265,00 | 167,00 | | • | 1 | | |
| 2513821 | 560 | 125 | 630,00 | 335,00 | 295,00 | 167,00 | | • | 1 | | | |
| 2513839 | 630 | 125 | 665,00 | 370,00 | 330,00 | 167,00 | | • | 1 | | | |

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

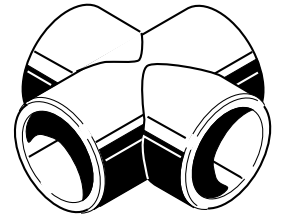
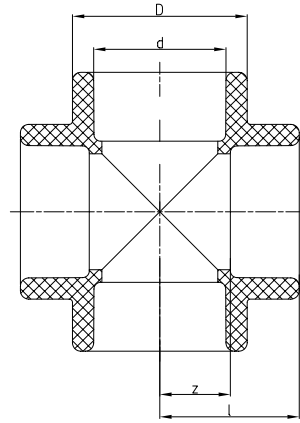
Systems: **aquatherm blue pipe**
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: blue
 Branch: butt welding



| SDR | Art.-No. | d | d1 | l | z | Weight [kg] | System | PU | Box unit | Price € m/pc | |
|------|--------------|-----|-----|--------|--------|-------------|--------|----|----------|--------------|--|
| | butt welding | | | | | | | | | | |
| | 2513618 | 200 | 160 | 250,00 | 250,00 | | • | 1 | | | |
| | 2513634 | 250 | 160 | 375,00 | 375,00 | | • | 1 | | | |
| | 2513640 | 250 | 200 | 375,00 | 375,00 | | • | 1 | | | |
| | 2513653 | 315 | 160 | 460,00 | 238,00 | | • | 1 | | | |
| | 2513655 | 315 | 200 | 460,00 | 460,00 | | • | 1 | | | |
| | 2513657 | 315 | 250 | 460,00 | 460,00 | | • | 1 | | | |
| | 2513665 | 355 | 160 | 480,00 | 258,00 | 21,500 | • | 1 | | | |
| | 2513667 | 355 | 200 | 480,00 | 268,00 | | • | 1 | | | |
| | 2513669 | 355 | 250 | 480,00 | 480,00 | | • | 1 | | | |
| | 2513671 | 355 | 315 | 480,00 | 480,00 | | • | 1 | | | |
| | 2513678 | 400 | 160 | 500,00 | 354,00 | | • | 1 | | | |
| | 2513680 | 400 | 200 | 500,00 | 318,00 | | • | 1 | | | |
| | 2513682 | 400 | 250 | 500,00 | 280,00 | 29,000 | • | 1 | | | |
| | 2513684 | 400 | 315 | 500,00 | 500,00 | 35,800 | • | 1 | | | |
| | 2513685 | 400 | 355 | 500,00 | 500,00 | | • | 1 | | | |
| | 2513692 | 450 | 160 | 525,00 | 379,00 | | • | 1 | | | |
| | 2513694 | 450 | 200 | 525,00 | 343,00 | | • | 1 | | | |
| | 2513696 | 450 | 250 | 525,00 | 305,00 | | • | 1 | | | |
| | 2513698 | 450 | 315 | 525,00 | 315,00 | | • | 1 | | | |
| | 2513699 | 450 | 355 | 525,00 | 525,00 | | • | 1 | | | |
| | 2513700 | 450 | 400 | 525,00 | 525,00 | | • | 1 | | | |
| 17,6 | 2513806 | 500 | 160 | 600,00 | 404,00 | | • | 1 | | | |
| | 2513808 | 500 | 200 | 600,00 | 368,00 | | • | 1 | | | |
| | 2513810 | 500 | 250 | 600,00 | 330,00 | | • | 1 | | | |
| | 2513812 | 500 | 315 | 600,00 | 340,00 | | • | 1 | | | |
| | 2513813 | 500 | 355 | 600,00 | 600,00 | | • | 1 | | | |
| | 2513814 | 500 | 400 | 600,00 | 600,00 | | • | 1 | | | |
| | 2513815 | 500 | 450 | 600,00 | 600,00 | | • | 1 | | | |
| | 2513823 | 560 | 160 | 630,00 | 434,00 | | • | 1 | | | |
| | 2513825 | 560 | 200 | 630,00 | 398,00 | | • | 1 | | | |
| | 2513827 | 560 | 250 | 630,00 | 360,00 | | • | 1 | | | |
| | 2513829 | 560 | 315 | 630,00 | 370,00 | | • | 1 | | | |
| | 2513830 | 560 | 355 | | | | • | 1 | | | |
| | 2513831 | 560 | 400 | 630,00 | 630,00 | | • | 1 | | | |
| | 2513832 | 560 | 450 | 630,00 | 630,00 | | • | 1 | | | |
| | 2513833 | 560 | 500 | 630,00 | 630,00 | | • | 1 | | | |
| | 2513841 | 630 | 160 | 665,00 | 474,00 | | • | 1 | | | |
| | 2513843 | 630 | 200 | 665,00 | 438,00 | | • | 1 | | | |
| | 2513845 | 630 | 250 | 665,00 | 400,00 | | • | 1 | | | |
| | 2513847 | 630 | 315 | 665,00 | 405,00 | | • | 1 | | | |
| | 2513848 | 630 | 355 | | | | • | 1 | | | |
| | 2513849 | 630 | 400 | 665,00 | 665,00 | | • | 1 | | | |
| | 2513850 | 630 | 450 | 665,00 | 665,00 | | • | 1 | | | |
| | 2513851 | 630 | 500 | 665,00 | 665,00 | | • | 1 | | | |
| | 2513852 | 630 | 560 | 665,00 | 665,00 | | • | 1 | | | |

CROSS

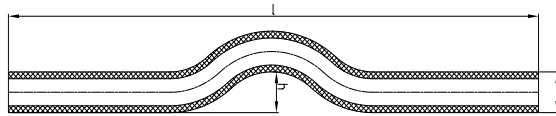
Systems: **aquatherm green pipe**,
aquatherm blue pipe, **aquatherm lilac pipe**
 Material: Fusiolen® PP-R
 Standard: DIN 16962, DIN EN ISO 15874
 Colour: green



| SDR | Art.-No. | Dimension d [mm] | z | l | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|----------------|--------------|------------------|-------|-------|-------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | |
| 6 | 13708 | 20 | 26,00 | 11,50 | 29,50 | 0,025 | • • • | 10 | 500 | |
| 7,4 | 13710 | 25 | 29,50 | 13,50 | 34,00 | 0,035 | • • • | 10 | 500 | |
| 9 | 13712 | 32 | 35,00 | 17,00 | 43,00 | 0,064 | • • • | 5 | 250 | |
| 11 | 13714 | 40 | 41,50 | 21,00 | 52,00 | 0,099 | • • • | 5 | 150 | |

CROSS OVER FITTING

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



| SDR | Art.-No. | Dimension d [mm] | h | l | Weight [kg] | System | PU | Box unit | Price € m/pc |
|----------------|--------------|------------------|-------|--------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | |
| 6 | 16106 | 16 | 17,00 | 352,00 | 0,038 | • | 10 | 600 | |
| 7,4 | 16108 | 20 | 22,00 | 352,00 | 0,060 | • • • | 10 | 400 | |
| 9 | 16110 | 25 | 25,00 | 352,00 | 0,091 | • • • | 10 | 250 | |
| 11 | 16112 | 32 | 32,00 | 352,00 | 0,154 | • • • | 5 | 120 | |

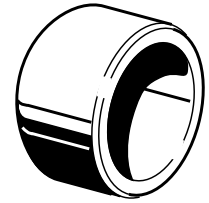
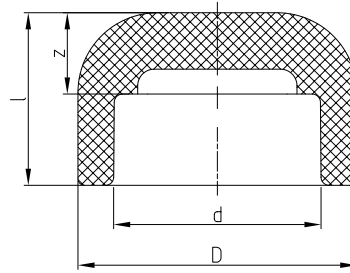
END CAP

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

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | Dimension d [mm] | l | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|----------|------------------|--------|-------|--------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | |
| 6 7,4 9 11 | 14106 | 16 | 26,50 | 13,50 | 26 | 0,008 | • | 10 | 2000 | |
| | 14108 | 20 | 24,00 | 9,50 | 29,5 | 0,009 | • • • | 10 | 2000 | |
| | 14110 | 25 | 24,00 | 8,00 | 34 | 0,011 | • • • | 10 | 1500 | |
| | 14112 | 32 | 31,50 | 13,50 | 43 | 0,019 | • • • | 5 | 1000 | |
| | 14114 | 40 | 38,00 | 17,50 | 52 | 0,043 | • • • | 5 | 500 | |
| | 14116 | 50 | 44,50 | 21,00 | 68 | 0,081 | • • • | 5 | 300 | |
| | 14118 | 63 | 52,00 | 24,50 | 84 | 0,144 | • • • | 1 | 150 | |
| | 14120 | 75 | 58,50 | 28,50 | 100 | 0,243 | • • • | 1 | 90 | |
| | 14122 | 90 | 57,50 | 34,50 | 120 | 0,368 | • • • | 1 | 60 | |
| | 14124 | 110 | 65,00 | 28,00 | 147 | 0,635 | • • • | 1 | 40 | |
| 14126 | 125 | 70,00 | 30,00 | 167 | 0,862 | • • • | 1 | 30 | | |
| butt welding | | | | | | | | | | |
| | | | | | | | | | | |
| 7,4 | 14130 | 160 | 70,00 | | | 0,914 | • • | 1 | 30 | |
| | 14134 | 200 | 80,00 | | | 1,378 | • • | 1 | 24 | |
| | 14138 | 250 | 90,00 | | | 2,530 | • • | 1 | 10 | |
| 9 | 314130 | 160 | 70,00 | | | 0,60 | • | 1 | | |
| | 314134 | 200 | 80,00 | | | 1,10 | • | 1 | | |
| | 314138 | 250 | 90,00 | | | 2,00 | • | 1 | | |
| | 314142 | 315 | 270,00 | | | 5,80 | • | 1 | | |
| | 314144 | 355 | 65,00 | | | 9,00 | • | 1 | | |
| 11 | 14131 | 160 | 70,00 | | | 0,818 | • • | 1 | 30 | |
| | 14135 | 200 | 80,00 | | | 1,070 | • • | 1 | 24 | |
| | 14139 | 250 | 90,00 | | | 1,989 | • • | 1 | 10 | |
| | 14143 | 315 | 270,00 | | | 6,200 | • • | 1 | | |
| | 14145 | 355 | 65,00 | | | 9,500 | • • | 1 | | |
| | 14147 | 400 | 60,00 | | | | • • | 1 | | |
| | 14149 | 450 | 70,00 | | | | • • | 1 | | |
| 17,6 | 2514130 | 160 | | | | 0,679 | • | 1 | | |
| | 2514134 | 200 | | | | 0,925 | • | 1 | | |
| | 2514138 | 250 | | | | 2,109 | • | 1 | | |
| | 2514142 | 315 | | | | 2,961 | • | 1 | | |
| | 2514144 | 355 | | | | 3,930 | • | 1 | | |
| | 2514146 | 400 | 60,00 | | | 5,821 | • | 1 | | |
| | 2514148 | 450 | 70,00 | | | 8,520 | • | 1 | | |
| | 2514150 | 500 | 75,00 | | | 12,500 | • | 1 | | |
| | 2514152 | 560 | 80,00 | | | 16,000 | • | 1 | | |
| 2514154 | 630 | 90,00 | | | 23,500 | • | 1 | | | |

aquatherm green pipe

aquatherm blue pipe

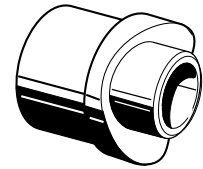
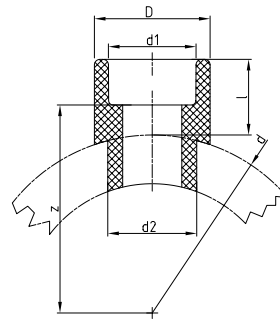
aquatherm lilac pipe

WELD-IN SADDLE

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

Material: Fusiolen® PP-R
Standard: DIN 16962, DIN EN ISO 15874
Colour: green

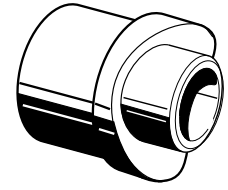
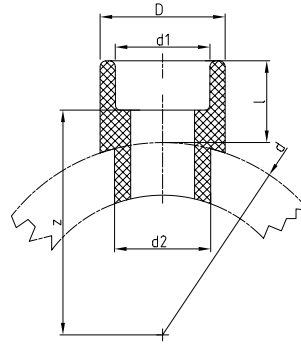
Notice *do not use with aquatherm blue pipe OT



| SDR | Art.-No. | d | d1 | d2 | l | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----------------------------|----------|-----|-----|-------|--------|--------|-------|-------------|--------|-----|----------|--------------|
| socket welding | | | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 15156* | 40 | 20 | 25 | 27,00 | 32,50 | 29,50 | 0,016 | • • • | 5 | 1000 | |
| | 15158* | 40 | 25 | 25 | 28,50 | 32,50 | 34,00 | 0,017 | • • • | 5 | 1000 | |
| | 15160 | 50 | 20 | 25 | 27,50 | 38,00 | 29,50 | 0,018 | • • • | 5 | 1000 | |
| | 15162 | 50 | 25 | 25 | 28,50 | 37,50 | 34,00 | 0,019 | • • • | 5 | 1000 | |
| | 15164 | 63 | 20 | 25 | 27,50 | 44,50 | 29,50 | 0,017 | • • • | 5 | 1000 | |
| | 15166 | 63 | 25 | 25 | 28,50 | 44,00 | 34,00 | 0,019 | • • • | 5 | 750 | |
| | 15168 | 63 | 32 | 32 | 30,00 | 43,50 | 43,00 | 0,028 | • • • | 5 | 750 | |
| | 15170 | 75 | 20 | 25 | 27,50 | 50,50 | 29,50 | 0,018 | • • • | 5 | 1000 | |
| | 15172 | 75 | 25 | 25 | 28,50 | 50,00 | 34,00 | 0,019 | • • • | 5 | 750 | |
| | 15174 | 75 | 32 | 32 | 30,00 | 49,50 | 43,00 | 0,028 | • • • | 5 | 750 | |
| | 15175 | 75 | 40 | 40 | 34,00 | 51,00 | 52,00 | 0,049 | • • • | 5 | 400 | |
| | 15176 | 90 | 20 | 25 | 27,50 | 58,00 | 29,50 | 0,018 | • • • | 5 | 1000 | |
| | 15178 | 90 | 25 | 25 | 28,50 | 57,50 | 34,00 | 0,019 | • • • | 5 | 1000 | |
| | 15180 | 90 | 32 | 32 | 30,00 | 57,00 | 43,00 | 0,029 | • • • | 5 | 750 | |
| | 15181 | 90 | 40 | 40 | 34,00 | 58,50 | 52,00 | 0,048 | • • • | 5 | 500 | |
| | 15182 | 110 | 20 | 25 | 27,50 | 68,00 | 29,50 | 0,019 | • • • | 5 | 1000 | |
| | 15184 | 110 | 25 | 25 | 28,50 | 68,50 | 34,00 | 0,020 | • • • | 5 | 1000 | |
| | 15186 | 110 | 32 | 32 | 30,00 | 67,00 | 43,00 | 0,030 | • • • | 5 | 750 | |
| | 15188 | 110 | 40 | 40 | 34,00 | 68,50 | 52,00 | 0,050 | • • • | 5 | 450 | |
| | 15189 | 110 | 50 | 50 | 34,00 | 65,50 | 68,00 | 0,091 | • • • | 5 | 200 | |
| | 15190 | 125 | 20 | 25 | 27,50 | 75,50 | 67,00 | 0,019 | • • • | 5 | 1000 | |
| | 15192 | 125 | 25 | 25 | 28,50 | 75,00 | 34,00 | 0,020 | • • • | 5 | 1000 | |
| | 15194 | 125 | 32 | 32 | 30,00 | 74,50 | 43,00 | 0,029 | • • • | 5 | 750 | |
| | 15196 | 125 | 40 | 40 | 34,00 | 76,00 | 52,00 | 0,050 | • • • | 5 | 450 | |
| | 15197 | 125 | 50 | 50 | 34,00 | 73,00 | 68,00 | 0,091 | • • • | 5 | 200 | |
| | 15198 | 125 | 63 | 63 | 38,00 | 73,00 | 84,00 | 0,150 | • • • | 5 | 125 | |
| | 15206 | 160 | 20 | 25 | 27,50 | 93,00 | 29,50 | 0,021 | • • • | 5 | 700 | |
| | 15208 | 160 | 25 | 25 | 28,50 | 92,50 | 34,00 | 0,023 | • • • | 5 | 700 | |
| | 15210 | 160 | 32 | 32 | 30,00 | 92,00 | 43,00 | 0,034 | • • • | 5 | 500 | |
| | 15212 | 160 | 40 | 40 | 34,00 | 93,50 | 52,00 | 0,054 | • • • | 5 | 300 | |
| | 15214 | 160 | 50 | 50 | 34,00 | 90,50 | 84,00 | 0,093 | • • • | 5 | 200 | |
| 15216 | 160 | 63 | 63 | 38,00 | 90,50 | 84,00 | 0,155 | • • • | 5 | 120 | | |
| 15218 | 160 | 75 | 75 | 42,00 | 92,00 | 100,00 | 0,227 | • • • | 5 | 80 | | |
| 15220 | 160 | 90 | 90 | 45,00 | 92,00 | 120,00 | 0,364 | • • • | 5 | 40 | | |
| 15228 | 200-250 | 20 | 25 | 27,50 | 113,00 | 29,50 | 0,020 | • • • | 5 | 100 | | |
| 15229 | 200-250 | 25 | 25 | 28,50 | 112,50 | 34,00 | 0,021 | • • • | 5 | 100 | | |
| 15230 | 200-250 | 32 | 32 | 30,00 | 112,00 | 43,00 | 0,031 | • • • | 5 | 50 | | |
| 15231 | 200 | 40 | 40 | 34,00 | 113,50 | 52,00 | 0,049 | • • • | 5 | 200 | | |
| 15232 | 200 | 50 | 50 | 34,00 | 110,50 | 68,00 | 0,087 | • • • | 5 | 200 | | |
| 15233 | 200 | 63 | 63 | 37,50 | 110,00 | 84,00 | 0,147 | • • • | 5 | 120 | | |
| 15234 | 200 | 75 | 75 | 42,00 | 112,00 | 100,00 | 0,220 | • • • | 5 | 100 | | |
| 15235 | 200 | 90 | 90 | 45,00 | 112,00 | 120,00 | 0,342 | • • • | 5 | 5 | | |
| 15236 | 200 | 110 | 110 | 49,00 | 112,00 | 147,00 | 0,577 | • • • | 5 | 2 | | |
| 15237 | 200 | 125 | 125 | 55,00 | 115,00 | 167,00 | 0,869 | • • • | 5 | 20 | | |
| 15251 | 250 | 40 | 40 | 34,00 | 138,50 | 52,00 | 0,053 | • • • | 5 | 150 | | |
| 15252 | 250 | 50 | 50 | 34,00 | 135,50 | 68,00 | 0,090 | • • • | 5 | 100 | | |
| 15253 | 250 | 63 | 63 | 37,50 | 135,00 | 84,00 | 0,152 | • • • | 5 | 140 | | |
| 15254 | 250 | 75 | 75 | 42,00 | 137,00 | 100,00 | 0,222 | • • • | 5 | 5 | | |
| 15255 | 250 | 90 | 90 | 45,00 | 137,00 | 120,00 | 0,348 | • • • | 5 | 5 | | |
| 15256 | 250 | 110 | 110 | 49,00 | 137,00 | 147,00 | 0,054 | • • • | 5 | 20 | | |
| 15257 | 250 | 125 | 125 | 55,00 | 140,00 | 167,00 | 0,820 | • • • | 5 | 20 | | |

WELD-IN SADDLES

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

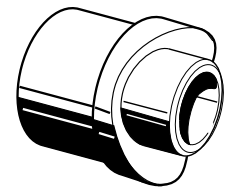
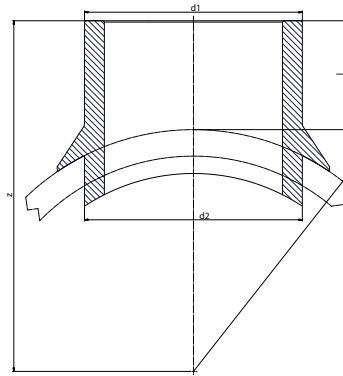


| SDR | Art.-No. | d | d1 | d2 | l | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----------------------------|----------|---------|-----|-------|--------|--------|--------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 15260 | 315-355 | 63 | 63 | 37,50 | 167,50 | 84,00 | 0,153 | • • | 1 | | |
| | 15261 | 315-355 | 75 | 75 | 42,00 | 169,50 | 100,00 | 0,230 | • • | 1 | | |
| | 15262 | 315 | 90 | 90 | 45,00 | 169,50 | 120,00 | 0,347 | • • | 1 | | |
| | 15263 | 315 | 110 | 110 | 49,00 | 169,50 | 147,00 | 0,567 | • • | 1 | | |
| | 15264 | 315 | 125 | 125 | 55,00 | 172,50 | 167,00 | 0,830 | • • | 1 | | |
| | 15268 | 355 | 90 | 90 | 45,00 | 189,5 | 120,00 | 0,355 | • • | 1 | | |
| | 15269 | 355 | 110 | 110 | 49,00 | 189,5 | 147,00 | 0,586 | • • | 1 | | |
| | 15270 | 355 | 125 | 125 | 55,00 | 192,5 | 167,00 | 0,803 | • • | 1 | | |
| | 15275 | 400-500 | 75 | 75 | 42,00 | 212,00 | 100,00 | 0,209 | • • | 1 | | |
| | 15277 | 400-450 | 110 | 110 | 49,00 | 212,00 | 147,00 | 0,528 | • • | 1 | | |
| | 15278 | 400 | 125 | 125 | 55,00 | 215,00 | 167,00 | 0,769 | • • | 1 | | |
| | 15288 | 400-500 | 90 | 90 | 45,00 | 237,00 | 120,00 | 0,326 | • • | 1 | | |
| | 15290 | 450-500 | 125 | 125 | 55,00 | 240,00 | 167,00 | 0,774 | • • | 1 | | |
| | 15300 | 400-630 | 63 | 63 | 37,50 | 260,00 | 84,00 | 0,148 | • • | 1 | | |
| | 15303 | 500-560 | 110 | 110 | 49,00 | 262,00 | 147,00 | 0,541 | • • | 1 | | |
| | 15315 | 560-630 | 75 | 75 | 42,00 | 292,00 | 100,00 | 0,224 | • • | 1 | | |
| 15316 | 560-630 | 90 | 90 | 45,00 | 292,00 | 120,00 | 0,340 | • • | 1 | | | |
| 15318 | 560-630 | 125 | 125 | 55,00 | 280,00 | 167,00 | 0,792 | • • | 1 | | | |
| 15331 | 630 | 110 | 110 | 49,00 | 327,00 | 147,00 | 0,563 | • • | 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 64 onwards.

WELD-IN SADDLE 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 | d1 | d2 | l | z | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|----------|-----|-----|-----|--------|--------|-------------|--------|----|----------|--------------|
| butt welding | | | | | | | | | | | |
| 9 | 315265 | 315 | 160 | 160 | 80,00 | 237,50 | 0,7 | • • | 1 | 1 | |
| | 315271 | 355 | 160 | 160 | 80,00 | 257,50 | 0,8 | • • | 1 | 1 | |
| 11 | 15265 | 315 | 160 | 160 | 160,00 | 80,00 | 0,868 | • • | 1 | 1 | |
| | 15271 | 355 | 160 | 160 | 160,00 | 80,00 | 0,845 | • • | 1 | 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 64 onwards.

WELD-IN SADDLE WITH FEMALE THREAD

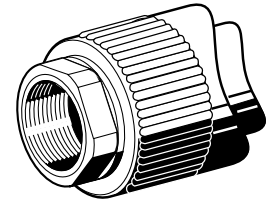
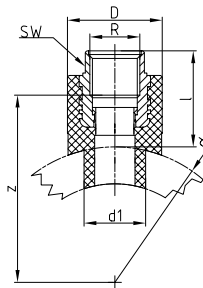
Systems: **aquatherm green pipe**, **aquatherm blue pipe**,
aquatherm lilac pipe

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 | d1 | l | z | D | R | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----------------------------|---------------|------------|-----------|--------|--------|-------|-------|-------|-------------|--------|-----|----------|--------------|
| socket welding | | | | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 28214* | 40 | 25 | 39,00 | 43,00 | 38,50 | 1/2" | 24,00 | 0,088 | • • • | 5 | 300 | |
| | 28216 | 50 | 25 | 39,00 | 48,00 | 38,50 | 1/2" | 24,00 | 0,090 | • • • | 5 | 300 | |
| | 28218 | 63 | 25 | 39,00 | 54,50 | 38,50 | 1/2" | 24,00 | 0,089 | • • • | 5 | 300 | |
| | 28220 | 75 | 25 | 39,00 | 53,50 | 38,50 | 1/2" | 24,00 | 0,083 | • • • | 5 | 300 | |
| | 28222 | 90 | 25 | 39,00 | 68,00 | 38,50 | 1/2" | 24,00 | 0,090 | • • • | 5 | 300 | |
| | 28224 | 110 | 25 | 39,00 | 78,00 | 38,50 | 1/2" | 24,00 | 0,089 | • • • | 5 | 300 | |
| | 28226 | 125 | 25 | 39,00 | 85,50 | 38,50 | 1/2" | 24,00 | 0,092 | • • • | 5 | 250 | |
| | 28230 | 160 | 25 | 39,00 | 103,00 | 38,50 | 1/2" | 24,00 | 0,092 | • • • | 5 | 250 | |
| | 28232 | 200 | 25 | 39,00 | 38,00 | 38,50 | 1/2" | 24,00 | 0,092 | • • • | 5 | 50 | |
| | 28234 | 40 | 25 | 39,00 | 43,00 | 43,50 | 3/4" | 31,00 | 0,107 | • • • | 5 | 300 | |
| | 28236 | 50 | 25 | 39,00 | 49,50 | 43,50 | 3/4" | 31,00 | 0,110 | • • • | 5 | 300 | |
| | 28238 | 63 | 25 | 39,00 | 55,50 | 43,50 | 3/4" | 31,00 | 0,109 | • • • | 5 | 300 | |
| | 28240 | 75 | 25 | 39,00 | 63,00 | 43,50 | 3/4" | 31,00 | 0,109 | • • • | 5 | 300 | |
| | 28242 | 90 | 25 | 39,00 | 73,00 | 43,50 | 3/4" | 31,00 | 0,110 | • • • | 5 | 300 | |
| | 28244 | 110 | 25 | 39,00 | 80,50 | 43,50 | 3/4" | 31,00 | 0,110 | • • • | 5 | 300 | |
| | 28246 | 125 | 25 | 39,00 | 96,00 | 43,50 | 3/4" | 31,00 | 0,112 | • • • | 5 | 300 | |
| | 28250 | 160 | 25 | 39,00 | 58,50 | 43,50 | 3/4" | 31,00 | 0,112 | • • • | 5 | 250 | |
| | 28254 | 200 | 25 | 39,00 | 66,00 | 43,50 | 3/4" | 31,00 | 0,112 | • • • | 5 | 250 | |
| | 28260 | 75 | 32 | 43,00 | 76,00 | 60,00 | 1" | 39,00 | 0,222 | • • • | 5 | 125 | |
| | 28262 | 90 | 32 | 43,00 | 83,50 | 60,00 | 1" | 39,00 | 0,221 | • • • | 5 | 125 | |
| 28264 | 110 | 32 | 43,00 | 101,00 | 60,00 | 1" | 39,00 | 0,224 | • • • | 5 | 125 | | |
| 28266 | 125 | 32 | 43,00 | 123,00 | 60,00 | 1" | 39,00 | 0,022 | • • • | 5 | 125 | | |
| 28270 | 160 | 32 | 43,00 | 118,00 | 60,00 | 1" | 39,00 | 0,226 | • • • | 5 | 125 | | |
| 28274 | 200 | 32 | 43,00 | 121,00 | 60,00 | 1" | 39,00 | 0,244 | • • • | 5 | 25 | | |

WELD-IN SADDLE WITH MALE THREAD

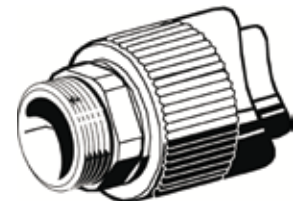
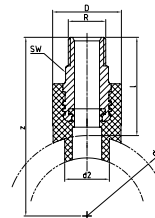
Systems: **aquatherm green pipe**, **aquatherm blue pipe**, **aquatherm lilac pipe**

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 | d2 | l | z | D | R | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----------------------------|---------------|------------|-----------|-------|--------|-------|------|-------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 28314* | 40 | 25 | 55,00 | 75,00 | 38,50 | R1/2 | 21,00 | 0,088 | • • • | 5 | 300 | |
| | 28316 | 50 | 25 | 55,00 | 80,00 | 38,50 | R1/2 | 21,00 | 0,090 | • • • | 5 | 300 | |
| | 28318 | 63 | 25 | 55,00 | 86,50 | 38,50 | R1/2 | 21,00 | 0,089 | • • • | 5 | 300 | |
| | 28320 | 75 | 25 | 55,00 | 92,50 | 38,50 | R1/2 | 21,00 | 0,097 | • • • | 5 | 300 | |
| | 28322 | 90 | 25 | 55,00 | 100,00 | 38,50 | R1/2 | 21,00 | 0,090 | • • • | 5 | 300 | |
| | 28324 | 110 | 25 | 55,00 | 110,00 | 38,50 | R1/2 | 21,00 | 0,089 | • • • | 5 | 300 | |
| | 28326 | 125 | 25 | 55,00 | 117,50 | 38,50 | R1/2 | 21,00 | 0,092 | • • • | 5 | 300 | |
| | 28330 | 160 | 25 | 55,00 | 135,00 | 38,50 | R1/2 | 21,00 | 0,092 | • • • | 5 | 300 | |
| | 28334 | 40 | 25 | 56,00 | 76,00 | 43,50 | R3/4 | 24,00 | 0,107 | • • • | 5 | 250 | |
| | 28336 | 50 | 25 | 56,00 | 81,00 | 43,50 | R3/4 | 24,00 | 0,110 | • • • | 5 | 250 | |
| | 28338 | 63 | 25 | 56,00 | 87,50 | 43,50 | R3/4 | 24,00 | 0,109 | • • • | 5 | 250 | |
| | 28340 | 75 | 25 | 56,00 | 93,50 | 43,50 | R3/4 | 24,00 | 0,109 | • • • | 5 | 250 | |
| | 28342 | 90 | 25 | 56,00 | 101,00 | 43,50 | R3/4 | 24,00 | 0,110 | • • • | 5 | 250 | |
| | 28344 | 110 | 25 | 56,00 | 111,00 | 43,50 | R3/4 | 24,00 | 0,110 | • • • | 5 | 250 | |
| | 28346 | 125 | 25 | 56,00 | 118,50 | 43,50 | R3/4 | 24,00 | 0,112 | • • • | 5 | 250 | |
| | 28350 | 160 | 25 | 56,00 | 136,00 | 43,50 | R3/4 | 24,00 | 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 64 onwards.

FLANGE ADAPTER SOCKET WELDING

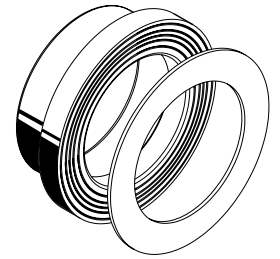
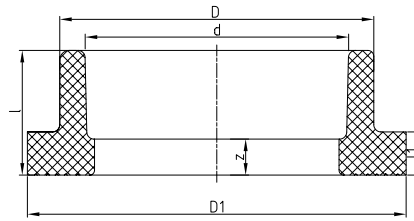
with gasket

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

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | Dimension d [mm] | l | z | D | D1 | l1 | z1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|----------|------------------|--------|--------|--------|--------|-------|-------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | | | | |
| 6 7,4 9 11 | 15512 | 32 | 35,00 | 17,00 | 41,00 | 68,00 | 11,00 | 3,00 | 0,053 | • • • | 1 | 1 | |
| | 15514 | 40 | 36,50 | 16,00 | 50,00 | 78,00 | 12,00 | 3,00 | 0,071 | • • • | 1 | 1 | |
| | 15516 | 50 | 40,50 | 17,00 | 61,00 | 88,00 | 13,00 | 3,00 | 0,095 | • • • | 1 | 1 | |
| | 15518 | 63 | 44,50 | 16,00 | 76,00 | 102,00 | 15,00 | 3,00 | 0,130 | • • • | 1 | 1 | |
| | 15520 | 75 | 47,00 | 17,00 | 90,00 | 122,00 | 17,00 | 3,00 | 0,191 | • • • | 1 | 1 | |
| | 15522 | 90 | 50,00 | 17,00 | 108,00 | 138,00 | 17,00 | 3,00 | 0,258 | • • • | 1 | 1 | |
| | 15524 | 110 | 55,50 | 18,50 | 131,00 | 158,00 | 18,50 | 3,00 | 0,329 | • • • | 1 | 1 | |
| | 15526* | 125 | 202,00 | 202,00 | 125,00 | 158,00 | 13,50 | 3,00 | 1,330 | • • • | 1 | 1 | |
| 15527 | 125 | 63,00 | 23,00 | 165,00 | 188,00 | 20,00 | 3,00 | 0,724 | • • • | 1 | 1 | | |

*only applicable with fitting, with 110 mm flange adapter

FLANGE ADAPTER BUTT WELDING

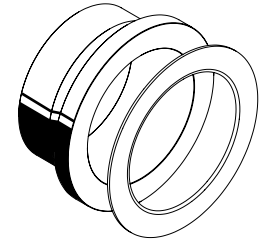
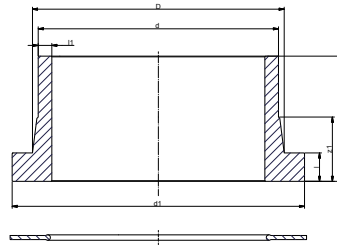
with gasket

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

Material: Fusiolen® PP-R & PP-RP

Standard: DIN 16962, DIN EN ISO 15874

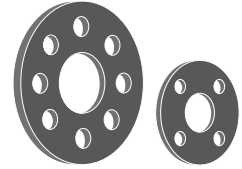
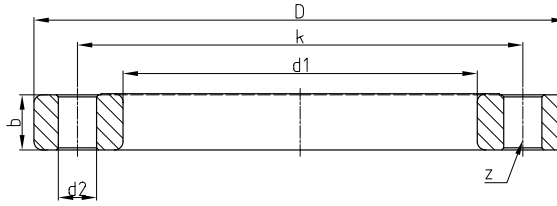
Colour: green



| SDR | Art.-No. | Dimension d [mm] | l | z | D | D1 | l1 | z1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|----------|------------------|--------|--------|--------|-------|-------|--------|-------------|--------|----|----------|--------------|
| butt welding | | | | | | | | | | | | | |
| 7,4 | 15530 | 160 | 25,00 | 93,00 | 175,00 | 212 | 21,90 | 3,00 | 1,163 | • • | 1 | 1 | |
| | 15534 | 200 | 32,00 | 130,00 | 232,00 | 268 | 27,40 | 6,00 | 2,292 | • • | 1 | 1 | |
| | 15538 | 250 | 35,00 | 130,00 | 285,00 | 320 | 34,20 | 6,00 | 3,298 | • • | 1 | 1 | |
| 9 | 315530 | 160 | 25,00 | 93,00 | 175,00 | 212 | 17,90 | 53,00 | 0,98 | • | 1 | 1 | |
| | 315534 | 200 | 32,00 | 130,00 | 232,00 | 268 | 22,40 | 72,00 | 2,00 | • | 1 | 1 | |
| | 315538 | 250 | 35,00 | 130,00 | 285,00 | 320 | 27,90 | 75,00 | 3,10 | • | 1 | 1 | |
| | 315542 | 315 | 35,00 | 170,00 | 337,00 | 370 | 35,20 | 90,00 | 5,50 | • | 1 | 1 | |
| | 315544 | 355 | 42,00 | 185,00 | 372,00 | 432 | 39,70 | 95,00 | 7,80 | • | 1 | 1 | |
| 11 | 15531 | 160 | 25,00 | 93,00 | 175,00 | 212 | 14,60 | 6,00 | 0,955 | • • | 1 | 1 | |
| | 15535 | 200 | 32,00 | 130,00 | 232,00 | 268 | 18,20 | 6,00 | 1,957 | • • | 1 | 1 | |
| | 15539 | 250 | 35,00 | 130,00 | 285,00 | 320 | 22,70 | 6,00 | 2,717 | • • | 1 | 1 | |
| | 15543 | 315 | 35,00 | 170,00 | 333,00 | 370 | 28,60 | 6,00 | 5,650 | • • | 1 | 1 | |
| | 15545 | 355 | 42,00 | 185,00 | 370,00 | 432 | 32,20 | 6,00 | 9,000 | • • | 1 | 1 | |
| | 15547 | 400 | 33,00 | 199,00 | 425,00 | 484 | 22,70 | 6,00 | | • • | 1 | 1 | |
| | 15549 | 450 | 46,00 | 140,00 | 425,00 | 586 | 25,70 | 7,00 | | • • | 1 | 1 | |
| 17,6 | 2515530 | 160 | 25,00 | 93,00 | 175,00 | 212 | 9,10 | 3,00 | 0,821 | • | 1 | 11 | |
| | 2515534 | 200 | 32,00 | 130,00 | 232,00 | 268 | 11,40 | 6,00 | | • | 1 | 11 | |
| | 2515538 | 250 | 35,00 | 130,00 | 285,00 | 320 | 14,20 | 6,00 | 2,736 | • | 1 | 11 | |
| | 2515542 | 315 | 35,00 | 170,00 | 333,00 | 370 | 17,90 | 6,00 | 4,500 | • | 1 | 11 | |
| | 2515544 | 355 | 42,00 | 185,00 | 370,00 | 432 | 20,10 | 6,00 | 6,500 | • | 1 | 11 | |
| | 2515546 | 400 | 33,00 | 199,00 | 425,00 | 484 | 22,70 | 6,00 | 8,500 | • | 1 | 11 | |
| | 2515548 | 450 | 46,00 | 140,00 | 512,00 | 586 | 25,70 | 7,00 | 12,000 | • | 1 | 11 | |
| | 2515550 | 500 | 47,00 | 141,00 | 525,00 | 585 | 28,40 | 7,00 | 9,800 | • | 1 | 11 | |
| | 2515552 | 560 | 50,00 | 141,00 | 612,00 | 685 | 31,70 | 7,00 | 13,800 | • | 1 | 11 | |
| 2515554 | 630 | 50,00 | 142,00 | 640,00 | 688 | 35,70 | 7,00 | 12,600 | • | 1 | 11 | | |

PLASTIC COATED STEEL FLANGE

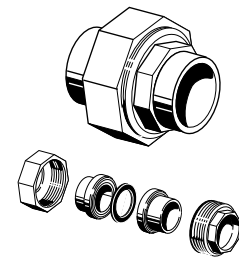
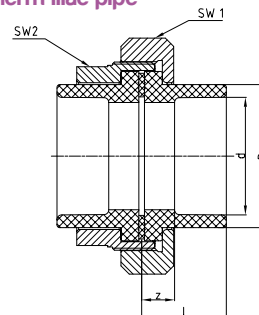
Systems: **aquatherm green pipe, aquatherm blue pipe, aquatherm lilac pipe**
 Material: PP/steel
 Colour: grey



| SDR | Art.-No. | Dimension | fits to Art.-No. | d1 | D | K | d2 | b | z | Weight [kg] | System | PU | Box unit | Price € m/pc | |
|-----------------------------|----------|-----------|---------------------------|--------|--------|--------|-------|-------|--------|-------------|--------|----|----------|--------------|--|
| socket welding | | | | | | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 15712 | 32 | 15512 | 42 | 116,00 | 85,00 | 14 | 15,50 | 4,00 | 0,466 | • • • | 1 | 1 | | |
| | 15714 | 40 | 15514 | 51 | 141,00 | 100,00 | 18 | 17,50 | 4,00 | 0,681 | • • • | 1 | 1 | | |
| | 15716 | 50 | 15516 | 62 | 151,00 | 110,00 | 18 | 17,50 | 4,00 | 0,767 | • • • | 1 | 1 | | |
| | 15718 | 63 | 15518 | 78 | 166,00 | 125,00 | 18 | 19,00 | 4,00 | 0,885 | • • • | 1 | 1 | | |
| | 15720 | 75 | 15520 | 92 | 186,00 | 145,00 | 18 | 19,00 | 4,00 | 1,154 | • • • | 1 | 1 | | |
| | 15722 | 90 | 15522 | 110 | 201,00 | 160,00 | 18 | 21,00 | 8,00 | 1,404 | • • • | 1 | 1 | | |
| | 15724 | 110 | 15524/26 | 133 | 221,00 | 180,00 | 18 | 22,00 | 8,00 | 1,461 | • • • | 1 | 1 | | |
| | 15726 | 125 | 15527 | 167 | 251,00 | 210,00 | 18 | 26,00 | 8,00 | 2,096 | • • • | 1 | 1 | | |
| | 15730 | 160 | 15530 15531 2515530 | 178 | 286,00 | 240,00 | 22 | 27,00 | 8,00 | 3,628 | • • | | 1 | 1 | |
| | 15734 | 200 | 15534 15535 2515534 | 235 | 341,00 | 295,00 | 22 | 28,00 | 8,00 | 4,643 | • • | | 1 | 1 | |
| | 15738 | 250 | 15538 15539 2515538 | 288 | 406,00 | 350,00 | 22 | 31,00 | 12,00 | 7,216 | • • | | 1 | 1 | |
| | 15742 | 315 | 15543 2515542 | 340 | 460,00 | 400,00 | 22 | 34,50 | 12,00 | 9,500 | • • | | 1 | 1 | |
| | 15744 | 355 | 15545 2515544 | 380 | 520,00 | 460,00 | 22 | 39,00 | 16,00 | 15,300 | • • | | 1 | 1 | |
| | 15746 | 400 | 2515546 | 430 | 565,00 | 515,00 | 26 | 34,00 | 16,00 | 50,558 | • • | | 1 | 1 | |
| | 15748 | 450 | 2515548 | 517 | 670,00 | 620,00 | 26 | 42,00 | 20,00 | 65,789 | • • | | 1 | 1 | |
| | 15750 | 500 | 2515550 | 533 | 670,00 | 620,00 | 26 | 38,00 | 20,00 | 60,783 | • • | | 1 | 1 | |
| 15752 | 560 | 2515552 | 618 | 785,00 | 725,00 | 30 | 50,00 | 20,00 | 95,096 | • • | | 1 | 1 | | |
| 15754 | 630 | 2515554 | 645 | 785,00 | 725,00 | 30 | 40,00 | 20,00 | 82,112 | • • | | 1 | 1 | | |

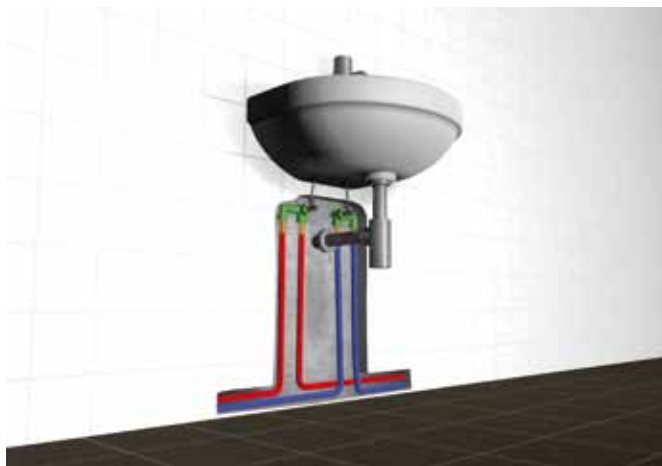
COUPLING SCREW JOINT

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

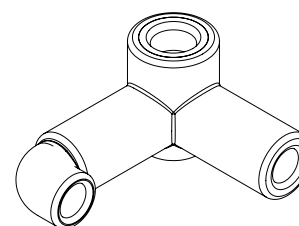


| SDR | Art.-No. | Dimension d [mm] | l | z | D | SW1 | SW2 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|----------|------------------|-------|-------|-------|--------|--------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | | | |
| 6 7,4 9 11 | 15812 | 32 | 36,50 | 18,50 | 41,00 | 64,00 | 50,00 | 0,479 | • • • | 1 | | |
| | 15814 | 40 | 38,00 | 17,50 | 50,00 | 80,00 | 60,00 | 0,841 | • • • | 1 | | |
| | 15816 | 50 | 41,00 | 17,50 | 61,00 | 86,00 | 70,00 | 0,821 | • • • | 1 | | |
| | 15818 | 63 | 45,00 | 17,50 | 76,00 | 108,00 | 90,00 | 1,498 | • • • | 1 | | |
| | 15820 | 75 | 47,50 | 17,50 | 90,00 | 128,00 | 104,00 | 1,998 | • • • | 1 | | |

NEW PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW

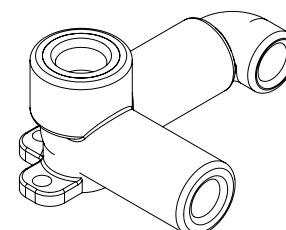


NEW aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW LEFT



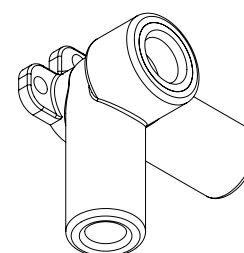
| SDR | Art.-No. | d | R | l | z | D | l1 | z1 | D1 | L | c | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------------|---|---|---|----|----|----|---|---|-------------|--------|----|----------|--------------|
| | 20176 | 16 | 1/2" | | | | | | | | | | | 1 | | |
| | 20178 | 20 | 1/2" | | | | | | | | | | | 1 | | |

NEW aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW RIGHT



| SDR | Art.-No. | d | R | l | z | D | l1 | z1 | D1 | L | c | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------------|---|---|---|----|----|----|---|---|-------------|--------|----|----------|--------------|
| | 20186 | 16 | 1/2" | | | | | | | | | | | 1 | | |
| | 20188 | 20 | 1/2" | | | | | | | | | | | 1 | | |

NEW aquatherm green pipe FLOW-THROUGH BACK PLATE ELBOW LEFT/RIGHT



| SDR | Art.-No. | d | R | l | z | D | l1 | z1 | D1 | L | c | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------------|---|---|---|----|----|----|---|---|-------------|--------|----|----------|--------------|
| | 20166 | 16 | 1/2" | | | | | | | | | | | 1 | | |
| | 20168 | 20 | 1/2" | | | | | | | | | | | 1 | | |

NOTICE:

For the production of the aquatherm green pipe flow-through back plate elbow Art.-No. 20176,20178 20186, 20188 the aquatherm green pipe elbows male/female 12306 (16mm) or 12308 (20mm) have to be used.

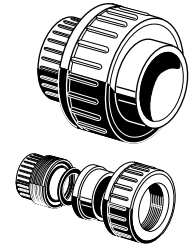
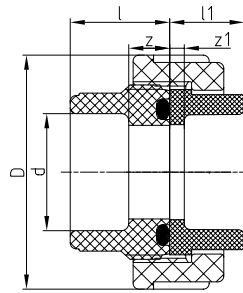
COUPLING SCREW JOINT

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

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | Dimension d [mm] | l | z | l1 | z1 | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|------------------|-------|-------|-------|------|--------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | | | |
| 6 7,4 9 11 | 15838 | 20 | 26,00 | 12,00 | 20,00 | 5,50 | 46,00 | 0,036 | • • • | 10 | 300 | |
| | 15840 | 25 | 28,00 | 12,00 | 21,00 | 5,00 | 56,00 | 0,058 | • • • | 10 | 250 | |
| | 15842 | 32 | 32,00 | 12,00 | 23,00 | 5,00 | 66,00 | 0,089 | • • • | 5 | 200 | |
| | 15844 | 40 | 38,00 | 14,00 | 25,50 | 5,00 | 79,00 | 0,136 | • • • | 5 | 150 | |
| | 15846 | 50 | 45,00 | 16,00 | 28,50 | 5,00 | 87,00 | 0,170 | • • • | 5 | 100 | |
| | 15848 | 63 | 55,50 | 20,00 | 32,50 | 5,00 | 107,00 | 0,240 | • • • | 1 | 60 | |
| | 15850 | 75 | 50,00 | 20,00 | 36,00 | 6,00 | 50,00 | 0,451 | • • • | 1 | 1 | |

ELECTROFUSION SOCKET

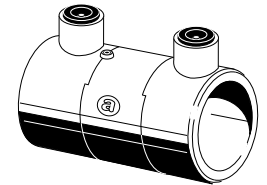
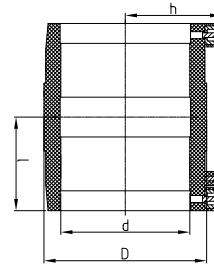
Systems: **aquatherm green pipe,**
aquatherm blue pipe, aquatherm lilac pipe

Material: Fusiolen® PP-R

Standard: DIN 16962, DIN EN ISO 15874

Colour: green

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



| SDR | Art.-No. | Dimension d [mm] | l | l1 | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----------------------------|---------------|------------------|--------|--------|--------|-------------|--------|----|----------|--------------|
| Electro-socket welding | | | | | | | | | | |
| 6 7,4 9 11 17,6 | 17208 | 20 | 35,00 | 36,00 | 31,50 | 0,049 | • • • | 1 | 500 | |
| | 17210 | 25 | 39,00 | 38,50 | 36,50 | 0,057 | • • • | 1 | 350 | |
| | 17212 | 32 | 40,00 | 42,50 | 45,00 | 0,077 | • • • | 1 | 300 | |
| | 17214 | 40 | 46,00 | 47,00 | 54,00 | 0,103 | • • • | 1 | 200 | |
| | 17216 | 50 | 51,50 | 52,00 | 65,00 | 0,142 | • • • | 1 | 130 | |
| | 17218 | 63 | 59,00 | 58,00 | 81,50 | 0,239 | • • • | 1 | 75 | |
| | 17220 | 75 | 65,00 | 64,50 | 96,00 | 0,347 | • • • | 1 | 45 | |
| | 17222 | 90 | 72,50 | 72,00 | 113,50 | 0,501 | • • • | 1 | 30 | |
| | 17224 | 110 | 80,00 | 82,50 | 139,00 | 0,821 | • • • | 1 | 22 | |
| | 17226 | 125 | 86,00 | 90,00 | 156,00 | 1,097 | • • • | 1 | 16 | |
| | 17230* | 160 | 93,00 | 109,50 | 197,00 | 1,754 | • • • | 1 | 10 | |
| 17234* | 200 | 105,00 | 134,00 | 243,00 | 3,625 | • • • | 1 | | | |
| 17238* | 250 | 125,00 | 170,00 | 315,00 | 7,142 | • • • | 1 | | | |

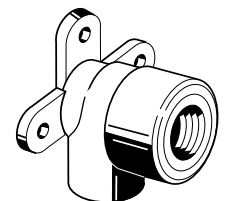
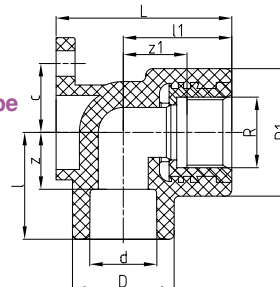
BACK PLATE ELBOW

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

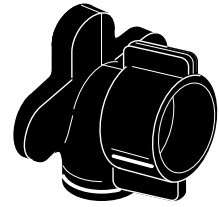
Colour: green



| SDR | Art.-No. | d | R | l | z | D | l1 | z1 | D1 | L | c | Weight [kg] | System | PU | Box unit | Price € m/pc |
|----------------|--------------|-----------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | | | | | | | |
| 6 7,4 11 | 20106 | 16 | 1/2" | 31,00 | 18,00 | 29,50 | 31,50 | 15,50 | 37,00 | 51,00 | 20,00 | 0,080 | • • • | 10 | 200 | |
| | 20108 | 20 | 1/2" | 31,00 | 16,50 | 29,50 | 31,50 | 15,50 | 37,00 | 51,00 | 20,00 | 0,079 | • • • | 10 | 200 | |
| | 20110 | 20 | 3/4" | 37,00 | 22,50 | 34,00 | 37,00 | 24,00 | 44,00 | 54,00 | 25,00 | 0,102 | • • • | 10 | 150 | |
| | 20112 | 25 | 3/4" | 37,00 | 21,00 | 34,00 | 37,00 | 24,00 | 44,00 | 54,00 | 25,00 | 0,105 | • • • | 10 | 150 | |
| | 20113 | 25 | 1/2" | 33,50 | 17,50 | 34,00 | 31,00 | 15,00 | 37,00 | 53,00 | 20,00 | 0,081 | • • • | 10 | 200 | |

SOUND ISOLATION COVER

for **aquatherm green pipe** back plate elbow 1/2"



| Art.- No. | Dimension | PU | Box unit | Price € m/St |
|--------------|------------------------|----|----------|--------------|
| 20120 | Thickness approx. 5 mm | 1 | 60 | |

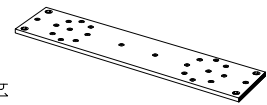
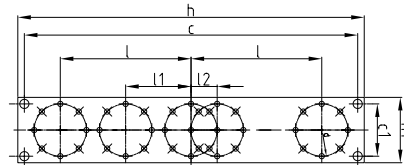
MOUNTING PLATE

galvanized; to fix back plate elbows as double connection

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

Material: iron, galvanized

Colour: zinc



| Art.-No. | d | l | l1 | l2 | c | c1 | h | h1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|----|--------|-------|-------|--------|-------|--------|-------|-------------|--------|----|----------|--------------|
| 60010 | 40 | 100,00 | 50,00 | 20,00 | 255,00 | 40,00 | 265,00 | 50,00 | 0,221 | • • • | 1 | 1 | |

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

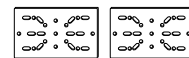
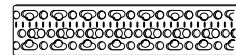
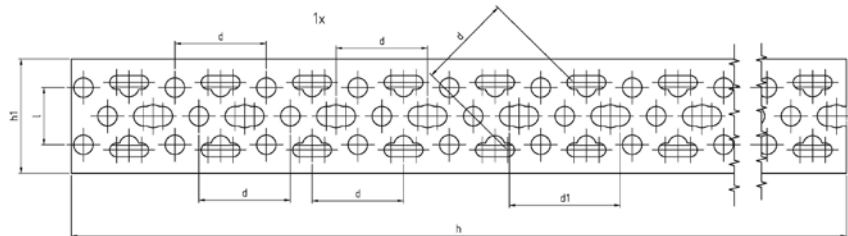
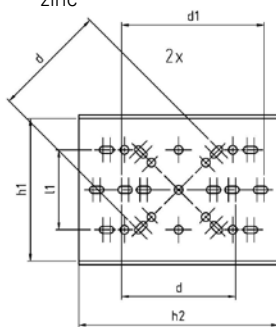
MOUNTING PLATE

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

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

Material: iron, galvanized

Colour: zinc



| Art.-No. | d | d1 | l | l1 | h | h1 | h2 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|----|----|-------|-------|--------|-------|-------|-------------|--------|----|----------|--------------|
| 79090 | 40 | 50 | 25,00 | 28,00 | 560,00 | 50,00 | 70,00 | 0,546 | • • • | 2 | 4 | |

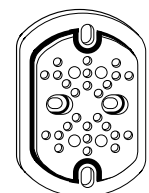
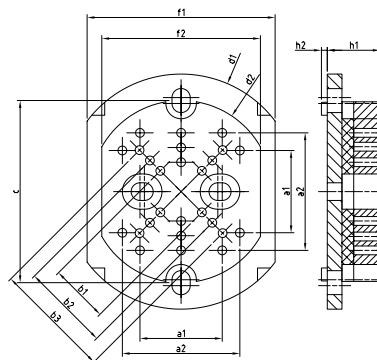
SOUND ISOLATION PLATE

for **aquatherm green pipe** and **aquatherm grey pipe** back plate elbow

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

Material: PP

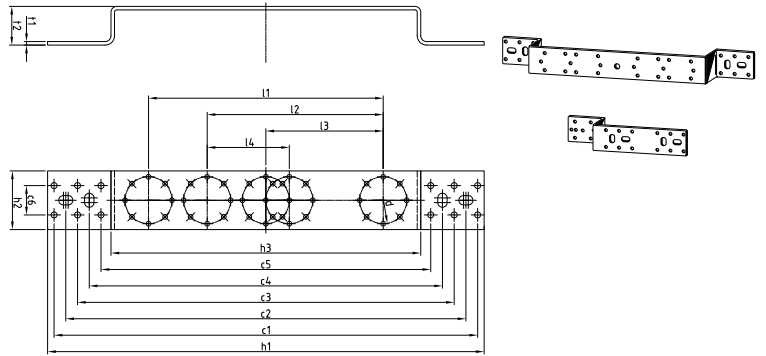
Colour: white



| Art.-No. | a1 | a2 | b1 | b2 | b3 | c | d1 | d2 | f1 | f2 | h1 | h2 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|-------|-------|-------|-------|-------|-------|----|----|-------|-------|-------|------|-------------|--------|----|----------|--------------|
| 79080 | 28,00 | 40,00 | 20,00 | 30,00 | 40,00 | 62,00 | 80 | 62 | 64,00 | 54,00 | 18,00 | 2,00 | 0,058 | • • • | 2 | | |

MOUNTING RAIL (DOUBLE AND SINGLE)

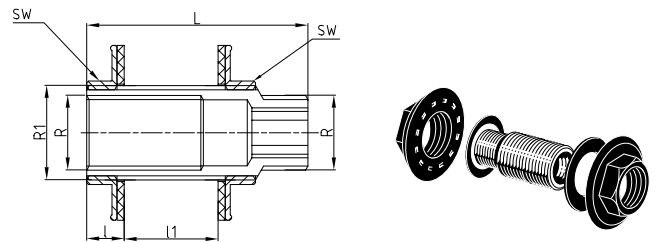
Systems: **aquatherm green pipe** **aquatherm blue pipe**,
aquatherm lilac pipe
Material: iron, galvanized
Colour: zinc



| Art.-No. | d | l1 | l2 | l3 | l4 | c1 | c2 | c3 | c4 | c5 | c6 | h1 | h2 | h3 | t1 | t2 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|----------|----|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|--------|-------|--------|------|-------|-------------|--------|----|----------|--------------|
| 79095 | 40 | 200,00 | 150,00 | 100,00 | 70,00 | 361,00 | 341,00 | 321,00 | 301,00 | 281,00 | 25,00 | 372,00 | 50,00 | 264,00 | 3,00 | 33,00 | 0,412 | • • • | 2 | 4 | |
| 79096 | | | | | | | | | | | | | | | | | 0,235 | • • • | 2 | 4 | |

DRY CONSTRUCTION WALL FITTING

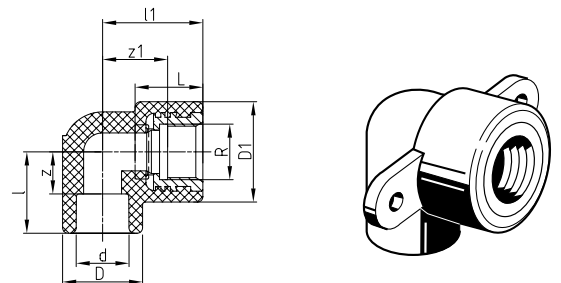
Systems: **aquatherm green pipe** **aquatherm blue pipe**,
aquatherm lilac pipe
Material: brass



| Art.-No. | R | R1 | l | l1 | L | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|----------|------|------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 20114 | 1/2" | 3/4" | 10,50 | 26,00 | 62,00 | 30,00 | 0,213 | • • • | 10 | 300 | |

BACK PLATE ELBOW FOR DRY CONSTRUCTION

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

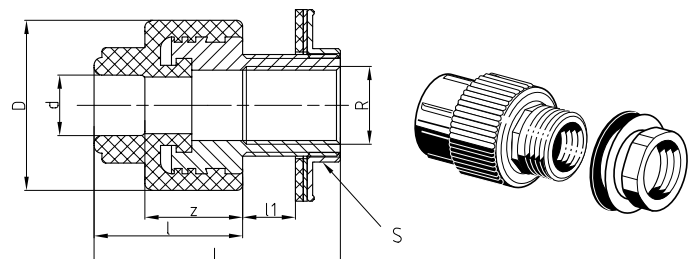


| SDR | Art.-No. | d | R | l | z | D | l1 | z1 | D1 | L | c | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|----------------|----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | socket welding | | | | | | | | | | | | | | | |
| 7,4 | 20156 | 16 | 1/2" | 30,00 | 17,00 | 29,50 | 37,00 | 24,00 | 37,00 | 25,00 | 59,00 | 0,079 | • • • | 10 | 250 | |
| 11 | 20158 | 20 | 1/2" | 30,00 | 15,50 | 29,50 | 37,00 | 24,00 | 37,00 | 25,00 | 59,00 | 0,079 | • • • | 10 | 200 | |

TRANSITION PIECE

with counternut, gasket and tension washer

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



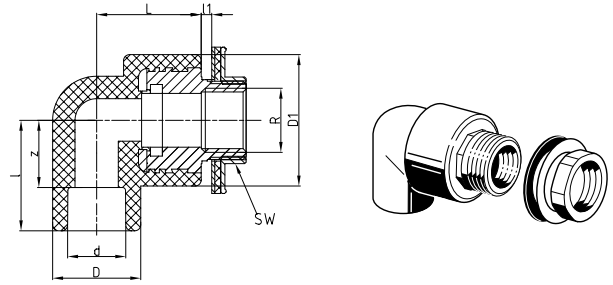
| SDR | Art.-No. | d | R | l | z | D | l1 | L | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|----------------|----|------|-------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | socket welding | | | | | | | | | | | | | |
| 7,4 | 20204 | 20 | 1/2" | 40,00 | 25,50 | 43,50 | 13,50 | 65,00 | 29,00 | 0,204 | • • • | 10 | 1 | |
| 11 | | | | | | | | | | | | | | |

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

TRANSITION ELBOW

with counternut, gasket and tension washer

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

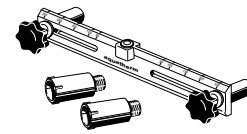


| SDR | Art.-No. | d | R | l | z | D | l1 | L | D1 | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--|--------------|-----------|-------------|-------|-------|-------|------|-------|-------|-------|-------------|--------|----|----------|--------------|
| socket welding | | | | | | | | | | | | | | | |
| 6 7,4 11 | 20206 | 16 | 1/2" | 37,00 | 24,00 | 29,50 | 3,50 | 35,00 | 44,00 | 29,00 | 0,201 | • • • | 10 | | |
| | 20208 | 20 | 1/2" | 37,00 | 22,50 | 29,50 | 3,50 | 35,00 | 44,00 | 29,00 | 0,154 | • • • | 10 | | |
| | 20209 | 25 | 1/2" | 37,00 | 21,00 | 34,00 | 3,50 | 37,00 | 44,00 | 29,00 | 0,206 | • • • | 10 | | |
| e.g. for connection of a cistern or application with mounting plate (Art.-No. 60110-60115) | | | | | | | | | | | | | | | |

ASSEMBLING JIG

as water level with 2 plugs 1/2"

Systems: **aquatherm green pipe** **aquatherm blue pipe**, **aquatherm lilac pipe**
Material: Fusiolen® PP-R
Colour: green

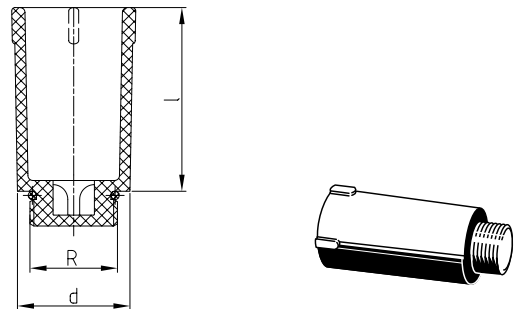


| Art.-No. | a | b | h1 | l1 | l2 | d | l | R | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|--------|-------|------|-------|--------|----|-------|------|-------------|--------|----|----------|--------------|
| 50700 | 280,00 | 36,00 | 8,00 | 80,00 | 250,00 | 28 | 55,50 | 1/2" | 0,252 | • • • | 1 | | |

PLUG FOR PRESSURE TESTS

with gasket

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

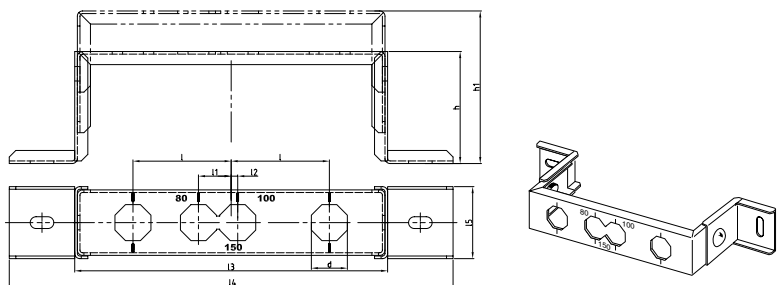


| Art.-No. | d | R | l | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|----|------|-------|-------------|--------|----|----------|--------------|
| 50708 | 28 | 1/2" | 55,50 | 0,022 | • • • | 10 | | |
| 50710 | 34 | 3/4" | 55,50 | 0,027 | • • • | 10 | | |

MOUNTING UNIT

double

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



| Art.-No. | b | l | l1 | l2 | h | h1 | l3 | l4 | l5 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|-------|-------|-------|------|-------|--------|--------|--------|-------|-------------|--------|----|----------|--------------|
| 60110 | 27,50 | 75,00 | 25,00 | 5,00 | 92,50 | 122,50 | 239,00 | 339,00 | 55,00 | 0,630 | • • • | 1 | 1 | |

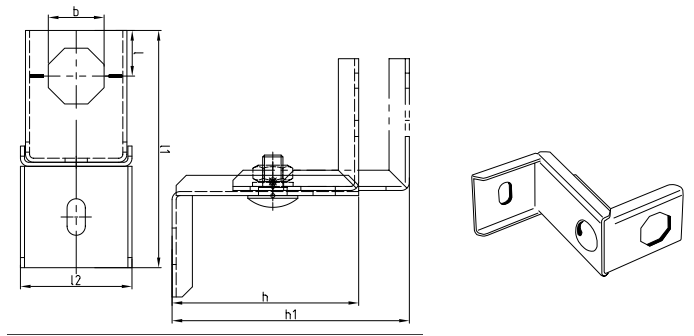
MOUNTING UNIT

single

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

Material: iron/galvanized

Colour: zinc



| Art.-No. | b | l | l1 | l2 | h | h1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|-------|--------|-------|-------|-------|--------|-------------|--------|----|----------|--------------|
| 60115 | 27,50 | 118,00 | 22,50 | 55,00 | 92,50 | 122,50 | 0,278 | • • • | 1 | 1 | |

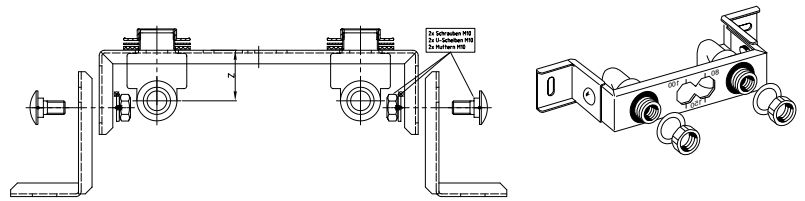
MOUNTING UNIT

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

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

Material: Fusiolen® PP-R, brass
iron/galvanized

Colour: green
zinc



| Art.-No. | b | l | l1 | l2 | h | h1 | b | l3 | l4 | l5 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|-------|-------|-------|------|-------|--------|--------|--------|-------|-------|-------------|--------|----|----------|--------------|
| 60150 | 27,50 | 75,00 | 25,00 | 5,00 | 92,50 | 122,50 | 239,00 | 339,00 | 55,00 | 0,942 | • • • | 1 | 1 | 1 | |

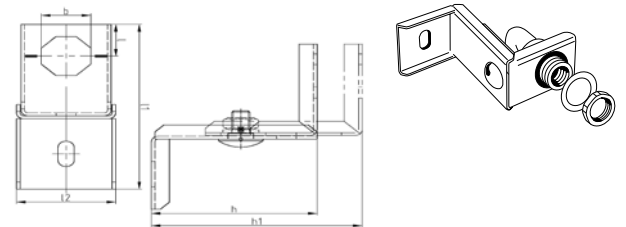
MOUNTING UNIT

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

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

Material: Fusiolen® PP-R, brass
iron/galvanized

Colour: green
zinc



| Art.-No. | b | l | l1 | l2 | h | h1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|------|------|-----|----|------|-------|-------------|--------|----|----------|--------------|
| 60155 | 27,5 | 22,5 | 118 | 55 | 92,5 | 122,5 | 0,278 | • • • | 1 | 1 | |

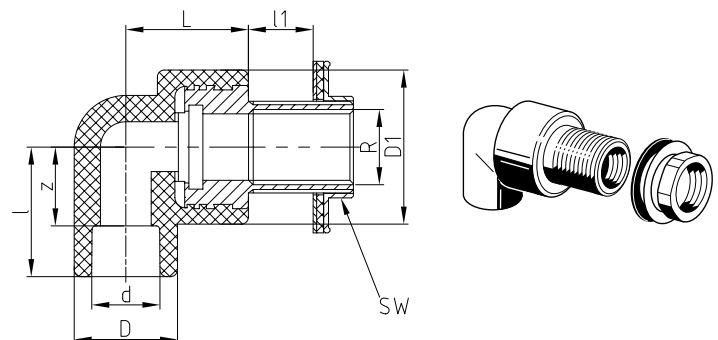
TRANSITION ELBOW

for plasterboard

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

Material: Fusiolen® PP-R, brass

Colour: green



| SDR | Art.-No. | d | R | l | z | D | L | l1 | D1 | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|----|------|-------|-------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | 20210 | 20 | 1/2" | 37,00 | 22,50 | 29,50 | 35,00 | 18,50 | 44,00 | 29,00 | 0,223 | • • • | 10 | | |
| 7,4 | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | |

with 30 mm thread, counternut, gasket and tension washer

TRANSITION PIECE WITH FEMALE THREAD

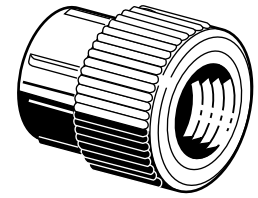
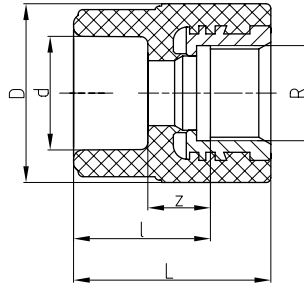
round

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | R | l | z | D | L | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|-----------|-------------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 21006 | 16 | 1/2" | 28,00 | 15,00 | 38,50 | 41,00 | 0,066 | • | 10 | 400 | |
| | 21008 | 20 | 1/2" | 27,50 | 13,00 | 37,50 | 40,50 | 0,064 | • • • | 10 | 400 | |
| | 21010 | 20 | 3/4" | 27,50 | 13,00 | 43,50 | 40,50 | 0,089 | • • • | 10 | 300 | |
| | 21011 | 25 | 1/2" | 29,00 | 13,00 | 37,50 | 42,00 | 0,065 | • • • | 10 | 400 | |
| | 21012 | 25 | 3/4" | 27,50 | 11,50 | 43,50 | 40,50 | 0,087 | • • • | 10 | 300 | |
| | 21013 | 32 | 3/4" | 30,50 | 12,50 | 43,50 | 43,50 | 0,092 | • • • | 5 | 200 | |

TRANSITION PIECE WITH FEMALE THREAD

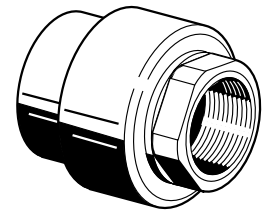
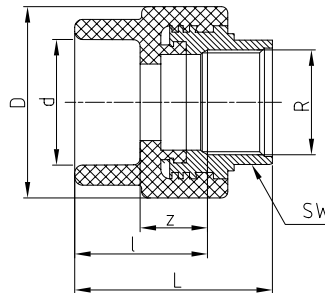
hex shaped threaded transition

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | R | l | z | D | L | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|-----------|---------------|-------|--------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 21106 | 16 | 1/2" | 34,50 | 21,50 | 38,50 | 50,50 | 24,00 | 0,089 | • | 10 | 400 | |
| | 21108 | 20 | 1/2" | 34,50 | 20,00 | 37,50 | 50,50 | 24,00 | 0,088 | • • • | 10 | 400 | |
| | 21110 | 20 | 3/4" | 29,00 | 14,50 | 43,50 | 50,00 | 31,00 | 0,112 | • • • | 10 | 300 | |
| | 21111 | 25 | 1/2" | 36,00 | 20,00 | 37,50 | 52,00 | 24,00 | 0,089 | • • • | 10 | 300 | |
| | 21112 | 25 | 3/4" | 29,00 | 13,00 | 43,50 | 50,00 | 31,00 | 0,109 | • • • | 10 | 300 | |
| | 21113 | 32 | 3/4" | 32,00 | 14,00 | 43,50 | 53,00 | 31,00 | 0,114 | • • • | 5 | 150 | |
| | 21114 | 32 | 1" | 37,50 | 19,50 | 60,00 | 59,50 | 39,00 | 0,239 | • • • | 5 | 125 | |
| | 21115 | 40 | 1" | 40,00 | 19,50 | 60,00 | 62,00 | 39,00 | 0,245 | • • • | 5 | 125 | |
| | 21116 | 40 | 1 1/4" | 40,00 | 19,50 | 74,00 | 63,00 | 50,00 | 0,385 | • • • | 5 | 80 | |
| | 21117 | 50 | 1 1/4" | 43,00 | 19,50 | 74,00 | 66,00 | 50,00 | 0,404 | • • • | 5 | 75 | |
| | 21118 | 50 | 1 1/2" | 45,00 | 21,50 | 85,50 | 67,00 | 55,00 | 0,424 | • • • | 5 | 60 | |
| | 21119 | 63 | 1 1/2" | 51,50 | 24,00 | 84,00 | 73,50 | 55,00 | 0,440 | • • • | 1 | 50 | |
| 21120 | 63 | 2" | 50,00 | 22,50 | 101,00 | 76,00 | 67,00 | 0,589 | • • • | 1 | 35 | | |
| 21122 | 75 | 2" | 51,00 | 21,00 | 100,00 | 77,00 | 67,00 | 0,613 | • • • | 1 | 25 | | |

TRANSITION PIECE WITH MALE THREAD

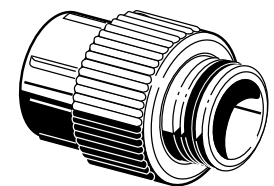
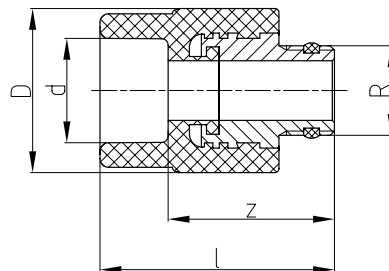
round, self sealing

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | R | l | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|----------------|--------------|-----------|-------------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 7,4 11 | 21258 | 20 | 1/2" | 52,50 | 38,00 | 38,50 | 0,090 | • • • | 10 | | |
| | 21261 | 25 | 1/2" | 54,00 | 38,00 | 38,50 | 0,091 | • • • | 10 | | |
| | 21262 | 25 | 3/4" | 53,50 | 37,50 | 38,50 | 0,098 | • • • | 10 | | |

TRANSITION PIECE WITH MALE THREAD

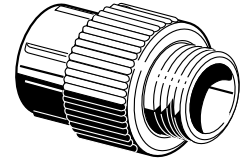
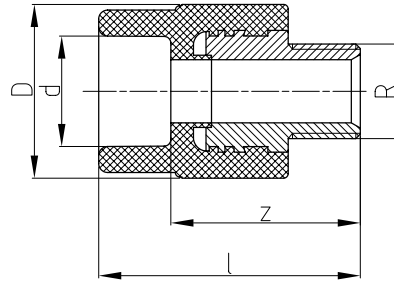
round

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | R | l | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|-----------|-------------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 21206 | 16 | 1/2" | 56,50 | 43,50 | 38,50 | 0,097 | • | 10 | 400 | |
| | 21208 | 20 | 1/2" | 56,50 | 42,00 | 38,50 | 0,097 | • • • | 10 | 400 | |
| | 21210 | 20 | 3/4" | 57,50 | 43,00 | 38,50 | 0,109 | • • • | 10 | 300 | |
| | 21211 | 25 | 1/2" | 58,00 | 42,00 | 38,50 | 0,098 | • • • | 10 | 300 | |
| | 21212 | 25 | 3/4" | 57,50 | 41,50 | 38,50 | 0,107 | • • • | 10 | 350 | |
| | 21213 | 32 | 3/4" | 59,50 | 41,50 | 43,00 | 0,115 | • • • | 5 | 250 | |

TRANSITION PIECE WITH MALE THREAD

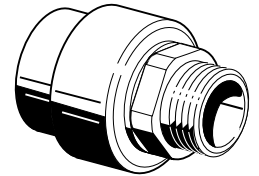
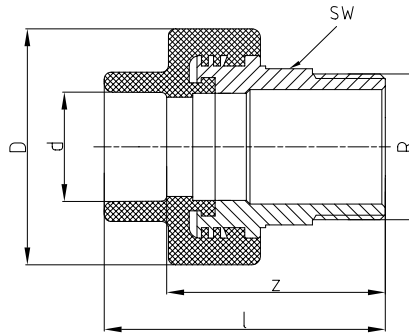
with hex shaped threaded transition

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



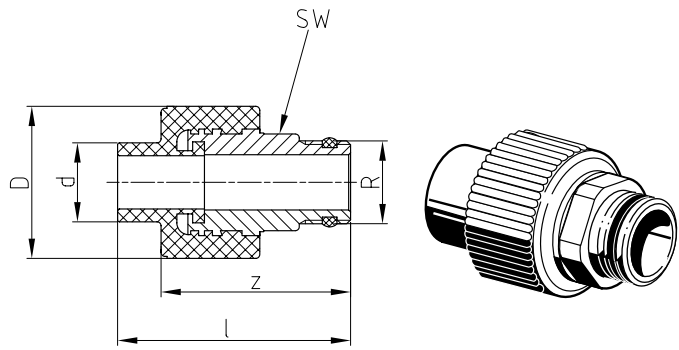
| SDR | Art.-No. | d | R | l | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|-----------|---------------|--------|--------|--------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 21306 | 16 | 1/2" | 66,50 | 53,50 | 38,50 | 0,119 | • | 10 | 300 | |
| | 21308 | 20 | 1/2" | 66,50 | 52,00 | 38,50 | 0,104 | • • • | 10 | 300 | |
| | 21310 | 20 | 3/4" | 67,50 | 53,00 | 38,50 | 0,129 | • • • | 10 | 300 | |
| | 21312 | 25 | 3/4" | 67,50 | 51,50 | 38,50 | 0,103 | • • • | 10 | 300 | |
| | 21314 | 32 | 1" | 78,50 | 60,50 | 53,00 | 0,216 | • • • | 5 | 125 | |
| | 21316 | 32 | 1 1/4" | 81,00 | 63,00 | 68,00 | 0,320 | • • • | 5 | 100 | |
| | 21317 | 40 | 1" | 81,00 | 60,50 | 52,00 | 0,222 | • • • | 5 | 100 | |
| | 21318 | 40 | 1 1/4" | 84,50 | 64,00 | 68,00 | 0,326 | • • • | 5 | 80 | |
| | 21319 | 50 | 1 1/4" | 85,50 | 62,00 | 68,00 | 0,352 | • • • | 5 | 75 | |
| | 21320 | 50 | 1 1/2" | 88,50 | 65,00 | 74,00 | 0,429 | • • • | 5 | 60 | |
| | 21321 | 63 | 1 1/2" | 94,50 | 67,00 | 72,50 | 0,466 | • • • | 1 | 40 | |
| | 21322 | 63 | 2" | 102,50 | 75,00 | 84,00 | 0,679 | • • • | 1 | 40 | |
| | 21323 | 75 | 2" | 102,00 | 72,00 | 84,00 | 0,729 | • • • | 1 | 25 | |
| | 21324 | 75 | 2 1/2" | 105,00 | 75,00 | 100,00 | 0,972 | • • • | 1 | 25 | |
| | 21325 | 90 | 3" | 121,00 | 88,00 | 120,00 | 1,315 | • • • | 1 | 20 | |
| 21327 | 110 | 4" | 148,00 | 111,00 | 147,00 | 2,699 | • • • | 1 | 8 | | |

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. aquatherm green pipe stainless steel price list Order-. No.: E53180 on request!!

TRANSITION PIECE WITH MALE THREAD

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

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

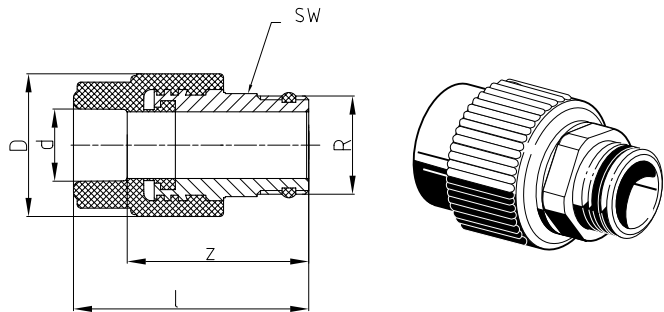


| SDR | Art.-No. | d | R | l | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | | | | | | | | | | | |
| 7,4 | 21355 | 20 | 1/2" | 59,00 | 48,00 | 38,50 | 0,107 | • • • | 10 | | |
| 11 | | | | | | | | | | | |

TRANSITION PIECE WITH MALE THREAD

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

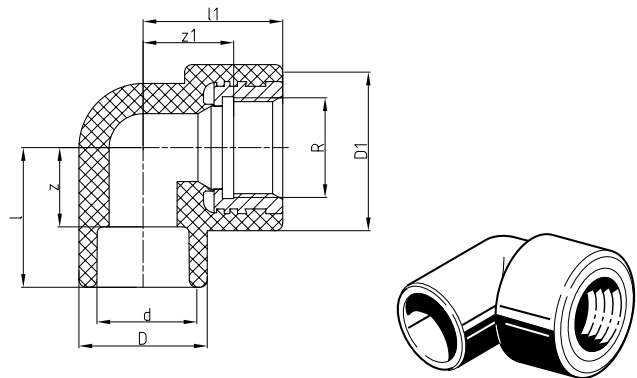
Systems: **aquatherm green pipe**, **aquatherm blue pipe**,
aquatherm lilac pipe
Material: Fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



| SDR | Art.-No. | d | R | l | z | D | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | | | | | | | | | | | |
| 7,4 | 21356 | 16 | 1/2" | 63,50 | 50,50 | 38,50 | 0,112 | • • • | 10 | | |
| 11 | 21358 | 20 | 1/2" | 63,50 | 49,00 | 38,50 | 0,111 | • • • | 10 | | |

TRANSITION ELBOW WITH FEMALE THREAD

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

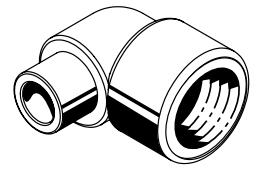
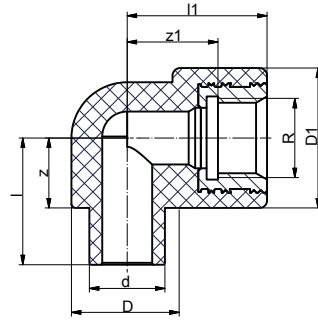


| SDR | Art.-No. | d | R | l | z | D | l1 | z1 | D1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------------|-------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | 23006 | 16 | 1/2" | 31,50 | 18,50 | 29,50 | 37,00 | 24,00 | 37,00 | 0,072 | • • • | 10 | 300 | |
| 7,4 | 23008 | 20 | 3/4" | 37,00 | 22,50 | 34,00 | 37,00 | 24,00 | 44,00 | 0,102 | • • • | 10 | 250 | |
| 9 | 23010 | 20 | 1/2" | 31,50 | 17,00 | 29,50 | 31,50 | 18,50 | 37,00 | 0,074 | • • • | 10 | 300 | |
| 11 | 23012 | 25 | 3/4" | 37,00 | 21,00 | 34,00 | 37,00 | 24,00 | 44,00 | 0,100 | • • • | 10 | 200 | |
| | 23014 | 25 | 1/2" | 34,00 | 18,00 | 34,00 | 37,00 | 24,00 | 37,00 | 0,074 | • • • | 10 | 250 | |
| | 23016 | 32 | 3/4" | 27,50 | 9,50 | 43,00 | 51,00 | 38,00 | 44,00 | 0,104 | • • • | 5 | 150 | |
| | 23018 | 32 | 1" | 34,00 | 16,00 | 43,00 | 66,50 | 44,50 | 60,50 | 0,251 | • • • | 5 | 100 | |

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. aquatherm green pipe stainless steel price list Order-. No.: E53180 on request!!

TRANSITION ELBOW WITH FEMALE THREAD

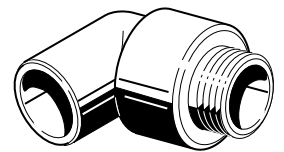
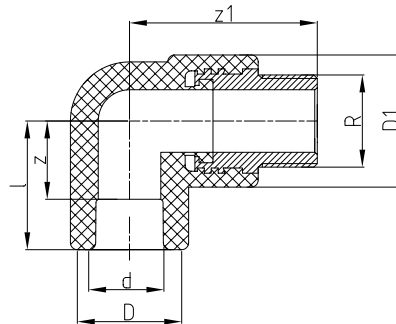
Systems: **aquatherm green pipe**, **aquatherm blue pipe**,
aquatherm lilac pipe
Material: Fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



| SDR | Art.-No. | d | R | l | z | D | l1 | z1 | D1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------------|-------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | | | | | | | | | | | | | | |
| 7,4 | | | | | | | | | | | | | | |
| 11 | 23208 | 20 | 1/2" | 33,50 | 18,50 | 29,50 | 37,00 | 24,00 | 37,00 | 0,076 | • • • | 10 | 300 | |

TRANSITION ELBOW WITH MALE THREAD

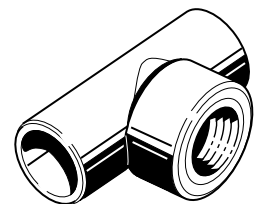
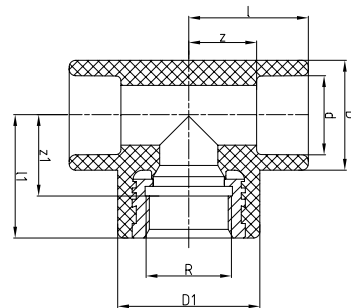
Systems: **aquatherm green pipe**, **aquatherm blue pipe**,
aquatherm lilac pipe
Material: Fusiolen® PP-R, brass
Standard: DIN 16962, DIN EN ISO 15874
Colour: green



| SDR | Art.-No. | d | R | l | z | D | z1 | D1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | 23504 | 16 | 1/2" | 31,50 | 18,50 | 29,50 | 53,00 | 37,00 | 0,109 | • • • | 10 | 400 | |
| 7,4 | 23506 | 20 | 1/2" | 31,50 | 17,00 | 29,50 | 53,00 | 37,00 | 0,108 | • • • | 10 | 300 | |
| 9 | 23508 | 20 | 3/4" | 37,00 | 22,50 | 34,00 | 54,00 | 38,00 | 0,128 | • • • | 10 | 200 | |
| 11 | 23510 | 25 | 3/4" | 37,00 | 21,00 | 34,00 | 54,00 | 38,00 | 0,105 | • • • | 10 | 250 | |
| | 23512 | 32 | 3/4" | 27,50 | 9,50 | 43,00 | 68,00 | 38,00 | 0,112 | • • • | 5 | 150 | |
| | 23514 | 32 | 1" | 31,00 | 13,00 | 43,00 | 85,50 | 52,00 | 0,233 | • • • | 5 | 100 | |

THREADED BRANCH TEE WITH FEMALE THREAD

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



| SDR | Art.-No. | d | R | l | z | D | l1 | z1 | D1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------------|-------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | 25004 | 16 | 1/2" | 31,50 | 18,50 | 29,50 | 37,00 | 24,00 | 37,00 | 0,089 | • • • | 10 | 250 | |
| 7,4 | 25006 | 20 | 1/2" | 31,50 | 17,00 | 29,50 | 37,00 | 24,00 | 37,00 | 0,086 | • • • | 10 | 250 | |
| 9 | 25008 | 20 | 3/4" | 37,00 | 22,50 | 34,00 | 38,00 | 25,00 | 44,00 | 0,121 | • • • | 10 | 170 | |
| 11 | 25010 | 25 | 1/2" | 34,00 | 18,00 | 34,00 | 38,00 | 25,00 | 37,00 | 0,091 | • • • | 10 | 200 | |
| | 25012 | 25 | 3/4" | 37,00 | 21,00 | 34,00 | 38,00 | 25,00 | 44,00 | 0,109 | • • • | 10 | 150 | |
| | 25013 | 32 | 1/2" | 35,00 | 17,00 | 37,00 | 37,00 | 24,00 | 37,00 | 0,103 | • • • | 5 | | |
| | 25014 | 32 | 3/4" | 27,50 | 9,50 | 43,00 | 51,00 | 38,00 | 44,00 | 0,111 | • • • | 5 | 100 | |
| | 25016 | 32 | 1" | 31,00 | 13,50 | 43,00 | 67,00 | 49,00 | 60,00 | 0,254 | • • • | 5 | 80 | |
| | 25018 | 40 | 1/2" | 42,50 | 22,00 | 52,00 | 39,00 | 26,00 | 37,00 | 0,180 | • • • | 5 | | |
| | 25019 | 40 | 3/4" | | | | | | | | • • • | 5 | | |
| | 25020 | 40 | 1" | 41,50 | 21,00 | 52,00 | 56,00 | 34,00 | 60,00 | 0,329 | • • • | 5 | | |
| | 25022 | 50 | 1" | 49,50 | 26,00 | 68,00 | 63,50 | 43,50 | 68,00 | 0,385 | • • • | 5 | 40 | |

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. aquatherm green pipe stainless steel price list Order-. No.: E53180 on request!!

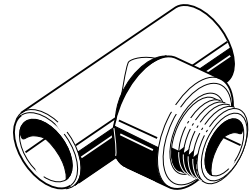
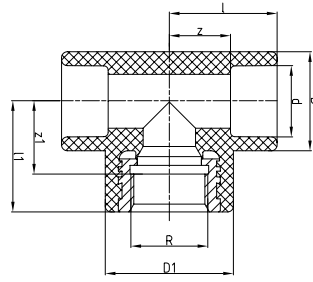
THREADED BRANCH TEE WITH MALE THREAD

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | R | l | z | D | z1 | D1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|----------------|--------------|-----------|-------------|-------|-------|-------|-------|-------|-------------|--------|----|----------|-----------------|
| 6 7,4 11 | 25506 | 20 | 1/2" | 31,50 | 17,00 | 29,50 | 53,00 | 37,00 | 0,102 | • • • | 10 | 200 | |

TRANSITION COUPLING WITH MALE THREAD

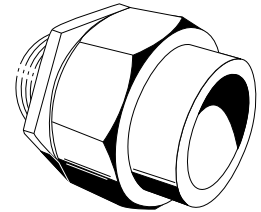
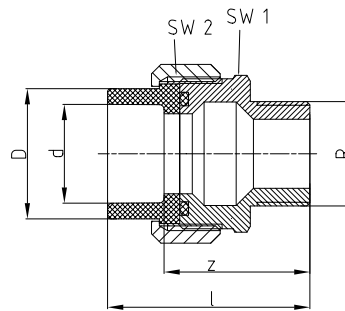
with union nut and welding socket

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | R | l | z | D | SW1 | SW2 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|-----------|---------------|-------|-------|-------|-------|-------|-------------|--------|----|----------|-----------------|
| 6 7,4 9 11 | 26608 | 20 | 1/2" | 54,50 | 40,00 | 27,50 | 36,00 | 36,00 | 0,145 | • • • | 1 | | |
| | 26610 | 25 | 3/4" | 59,50 | 43,50 | 36,00 | 46,00 | 46,00 | 0,243 | • • • | 1 | | |
| | 26612 | 32 | 1" | 64,50 | 46,50 | 41,50 | 52,00 | 50,00 | 0,336 | • • • | 1 | | |
| | 26614 | 40 | 1 1/4" | 70,00 | 49,50 | 53,00 | 64,00 | 65,00 | 0,632 | • • • | 1 | | |
| | 26616 | 50 | 1 1/2" | 86,50 | 63,00 | 59,00 | 72,00 | 57,00 | 0,624 | • • • | 1 | | |
| | 26618 | 63 | 2" | 95,50 | 68,00 | 74,00 | 89,00 | 66,00 | 1,212 | • • • | 1 | | |

TRANSITION COUPLING WITH FEMALE THREAD

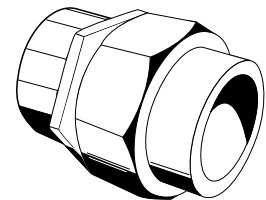
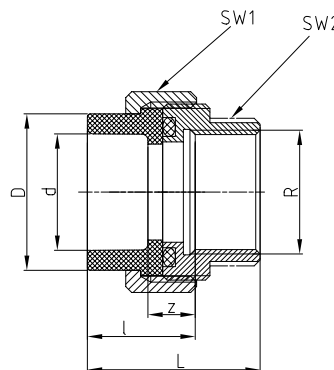
with union nut and welding socket

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | R | l | z | D | L | SW1 | SW2 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|-----------|---------------|-------|-------|-------|-------|-------|-------|-------------|--------|----|----------|-----------------|
| 6 7,4 9 11 | 26638 | 20 | 1/2" | 30,00 | 15,50 | 27,50 | 45,00 | 36,00 | 25,00 | 0,083 | • • • | 1 | | |
| | 26640 | 25 | 3/4" | 32,00 | 16,00 | 36,00 | 49,00 | 45,00 | 32,00 | 0,193 | • • • | 1 | | |
| | 26642 | 32 | 1" | 37,00 | 19,00 | 41,50 | 54,00 | 52,00 | 40,00 | 0,291 | • • • | 1 | | |
| | 26644 | 40 | 1 1/4" | 36,50 | 16,00 | 53,00 | 58,50 | 64,00 | 47,00 | 0,423 | • • • | 1 | | |
| | 26646 | 50 | 1 1/2" | 45,50 | 22,00 | 59,00 | 64,50 | 72,00 | 57,00 | 0,610 | • • • | 1 | | |
| | 26648 | 63 | 2" | 50,50 | 23,00 | 74,00 | 74,50 | 89,00 | 68,00 | 0,924 | • • • | 1 | | |

Notice: aquatherm green pipe-metal compound fittings are manufactured from fusiolen PP-R and brass. Metal inserts, without hex shaped spanner flat, with 1/2" and 3/4" f are also available in stainless steel. aquatherm green pipe stainless steel price list Order-. No.: E53180 on request!!

LOOSE NUT ADAPTER

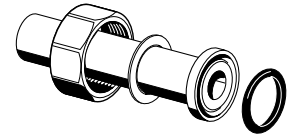
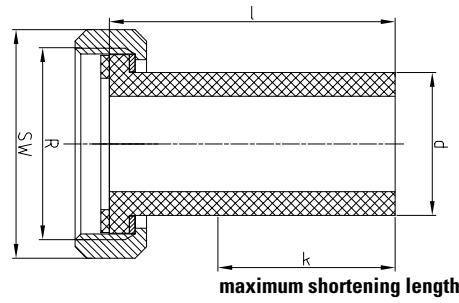
length: 100 mm, with gasket

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | Nut R | l | k | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|----------|----|--------|--------|-------|--------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 26708 | 20 | 1" | 100,00 | 65,00 | 36,00 | 0,079 | • • • | 1 | 150 | |
| | 26710 | 25 | 1 1/4" | 100,00 | 62,00 | 46,00 | 0,104 | • • • | 1 | 125 | |
| | 26712 | 32 | 1 1/2" | 100,00 | 58,00 | 52,00 | 0,175 | • • • | 1 | 100 | |
| | 26714 | 40 | 2" | 100,00 | 53,00 | 64,00 | 0,258 | • • • | 1 | 75 | |
| | 26716 | 50 | 2 1/4" | 100,00 | 49,00 | 72,00 | 0,344 | • • • | 1 | 60 | |
| | 26718 | 63 | 2 3/4" | 100,00 | 43,00 | 89,00 | 0,583 | • • • | 1 | 40 | |
| | 26720 | 75 | 3 1/2" | 100,00 | 34,00 | 110,00 | 0,918 | • • • | 1 | 30 | |
| | 26722 | 90 | 4" | 100,00 | 26,00 | 120,00 | 1,238 | • • • | 1 | 20 | |

WATER METER NUT ADAPTER

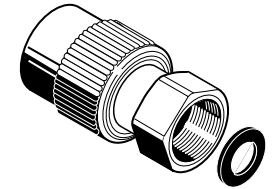
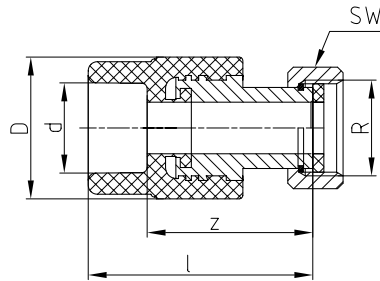
with gasket

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | Nut R | l | z | D | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|----------|----|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 26808 | 20 | 3/4" | 59,50 | 45,00 | 38,50 | 30,00 | 0,153 | • • • | 1 | | |
| | 26810 | 25 | 3/4" | 61,00 | 45,00 | 38,50 | 30,00 | 0,155 | • • • | 1 | | |
| | 26812 | 32 | 3/4" | 62,00 | 44,00 | 43,50 | 30,00 | 0,162 | • • • | 1 | | |

NUT ADAPTER

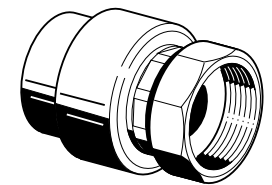
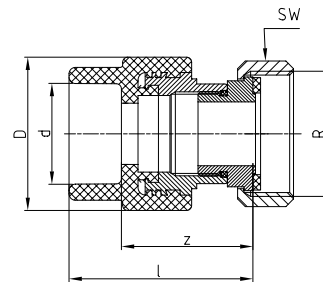
ISO-standard

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | Nut R | L | z | D | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|----------|----|--------|-------|-------|--------|--------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 27010 | 20 | 1" | 58,50 | 36,00 | 38,50 | 36,00 | 0,182 | • • • | 10 | | |
| | 27011 | 25 | 1" | 60,00 | 44,00 | 38,50 | 36,00 | 0,186 | • • • | 10 | | |
| | 27012 | 25 | 1 1/4" | 60,00 | 44,00 | 43,50 | 46,00 | 0,274 | • • • | 10 | | |
| | 27013 | 32 | 1 1/4" | 63,00 | 45,00 | 43,50 | 46,00 | 0,279 | • • • | 5 | | |
| | 27014 | 32 | 1 1/2" | 69,50 | 51,50 | 60,00 | 52,00 | 0,446 | • • • | 5 | | |
| | 27015 | 40 | 1 1/2" | 72,00 | 51,50 | 60,00 | 52,00 | 0,421 | • • • | 5 | | |
| | 27016 | 40 | 2" | 74,00 | 53,50 | 74,00 | 64,00 | 0,719 | • • • | 5 | | |
| | 27017 | 50 | 2" | 77,00 | 53,50 | 74,00 | 64,00 | 0,736 | • • • | 5 | | |
| | 27018 | 50 | 2 1/4" | 77,00 | 54,50 | 84,00 | 72,00 | 0,831 | • • • | 5 | | |
| | 27019 | 63 | 2 1/4" | 83,50 | 56,00 | 84,00 | 72,00 | 0,889 | • • • | 1 | | |
| | 27020 | 63 | 2 3/4" | 84,00 | 56,50 | 101,00 | 89,00 | 1,306 | • • • | 1 | | |
| | 27021 | 75 | 2 3/4" | 85,00 | 55,00 | 100,00 | 89,00 | 1,275 | • • • | 1 | | |
| | 27022 | 75 | 3 1/2" | 91,00 | 61,00 | 100,00 | 110,00 | 1,818 | • • • | 1 | | |

COUNTERPART

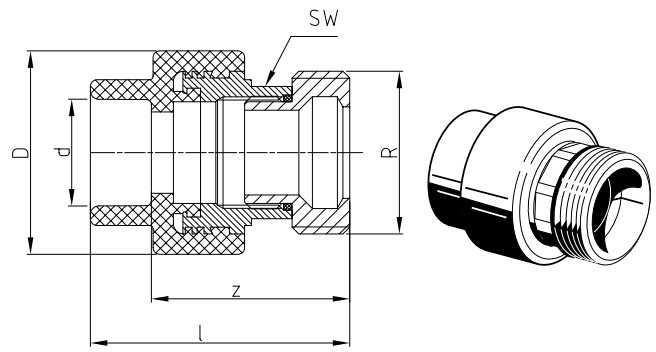
with welding socket and male thread for ISO-standard adapter

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | Thread R | l | z | D | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|----------|--------|----------|-------|--------|--------|-------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 27310 | 20 | 1" | 61,50 | 47,00 | 38,50 | 24,00 | 0,151 | • • • | 10 | 300 | |
| | 27311 | 25 | 1" | 63,00 | 47,00 | 38,50 | 24,00 | 0,153 | • • • | 10 | 300 | |
| | 27312 | 25 | 1 1/4" | 63,00 | 47,00 | 43,50 | 31,00 | 0,221 | • • • | 10 | 250 | |
| | 27313 | 32 | 1 1/4" | 66,00 | 48,00 | 43,50 | 31,00 | 0,226 | • • • | 5 | 175 | |
| | 27314 | 32 | 1 1/2" | 76,50 | 58,50 | 60,00 | 39,00 | 0,408 | • • • | 5 | 125 | |
| | 27315 | 40 | 1 1/2" | 79,00 | 58,50 | 60,00 | 39,00 | 0,414 | • • • | 5 | 125 | |
| | 27316 | 40 | 2" | 81,00 | 60,50 | 74,00 | 50,00 | 0,650 | • • • | 5 | 70 | |
| | 27317 | 50 | 2" | 84,00 | 60,50 | 74,00 | 50,00 | 0,634 | • • • | 5 | 70 | |
| | 27318 | 50 | 2 1/4" | 83,00 | 59,50 | 84,00 | 55,00 | 0,750 | • • • | 5 | 50 | |
| | 27319 | 63 | 2 1/4" | 89,50 | 62,00 | 84,00 | 55,00 | 0,728 | • • • | 1 | 45 | |
| | 27320 | 63 | 2 3/4" | 94,00 | 66,50 | 101,00 | 67,00 | 1,093 | • • • | 1 | 30 | |
| | 27321 | 75 | 2 3/4" | 95,00 | 65,00 | 100,00 | 67,00 | 1,117 | • • • | 1 | 30 | |
| 27322 | 75 | 3 1/2" | 100,00 | 70,00 | 100,00 | 67,00 | 1,436 | • • • | 1 | 30 | | |

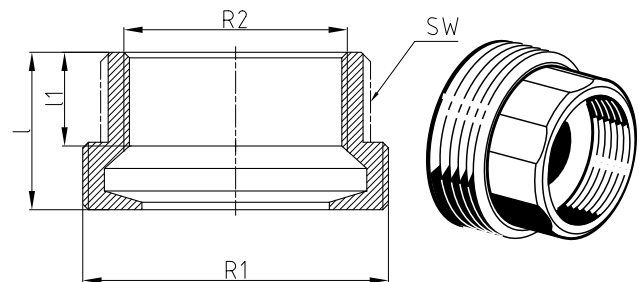
BRASS COUNTERPART

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

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

Material: Fusiolen® PP-R, brass

Colour: green



| SDR | Art.-No. | Male thread R1 | Female thread R2 | l | l1 | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|----------|----------------|------------------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 27510 | 1" | 1/2" | 25,00 | 15,00 | 25,00 | 0,063 | • • • | 10 | 400 | |
| | 27512 | 1 1/4" | 3/4" | 28,00 | 18,00 | 32,00 | 0,119 | • • • | 10 | 200 | |
| | 27514 | 1 1/2" | 1" | 31,00 | 17,00 | 40,00 | 0,175 | • • • | 5 | 125 | |
| | 27516 | 2" | 1 1/4" | 33,00 | 22,00 | 47,00 | 0,263 | • • • | 5 | 75 | |
| | 27518 | 2 1/4" | 1 1/2" | 36,00 | 19,00 | 57,00 | 0,333 | • • • | 5 | 60 | |
| | 27520 | 2 3/4" | 2" | 42,00 | 24,00 | 68,00 | 0,517 | • • • | 1 | 35 | |
| | 27522 | 3 1/2" | 2 1/2" | 46,00 | 27,00 | 84,00 | 0,801 | • • • | 1 | 25 | |
| | 27524 | 4" | 3" | 46,00 | 27,00 | 97,00 | 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. aquatherm green pipe stainless steel price list Order-. No.: E53180 on request!!

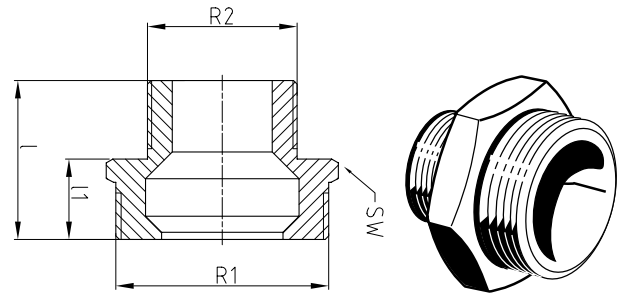
BRASS COUNTERPART

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

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

Material: brass

Colour: green



| SDR | Art.-No. | Thread R1 | Thread R2 | l | l1 | SW | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|---------------|---------------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 27710 | 1" | 1/2" | 34,50 | 18,50 | 36,00 | 0,109 | • • • | 10 | 250 | |
| | 27712 | 1 1/4" | 3/4" | 38,50 | 21,00 | 46,00 | 0,188 | • • • | 10 | 140 | |
| | 27714 | 1 1/2" | 1" | 41,50 | 22,50 | 50,00 | 0,211 | • • • | 5 | 100 | |
| | 27716 | 2" | 1 1/4" | 44,50 | 22,50 | 65,00 | 3,630 | • • • | 5 | 60 | |
| | 27718 | 2 1/4" | 1 1/2" | 58,00 | 36,00 | 57,00 | 0,472 | • • • | 5 | 50 | |
| | 27720 | 2 3/4" | 2" | 63,00 | 38,00 | 66,00 | 0,803 | • • • | 1 | 25 | |
| | 27722 | 3 1/2" | 2 1/2" | 70,00 | 42,00 | 82,00 | 1,189 | • • • | 1 | 15 | |
| | 27724 | 4" | 3" | 74,00 | 42,00 | 97,00 | 1,398 | • • • | 1 | 10 | |

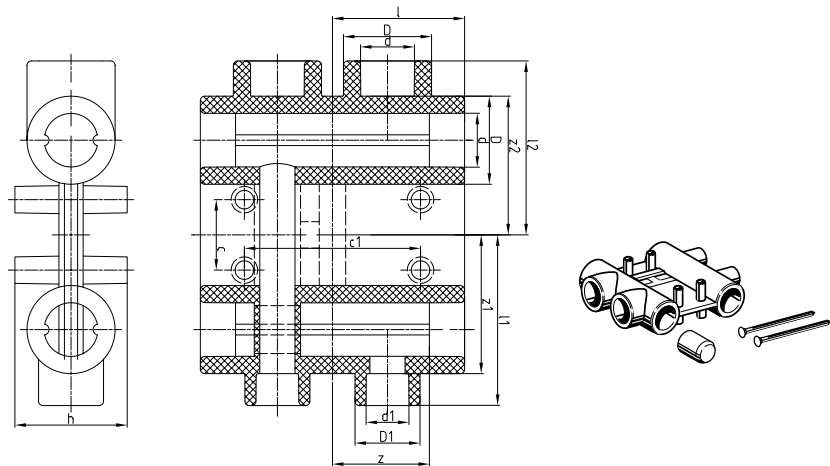
DISTRIBUTION BLOCK PLUMBING

including 1 plug and 2 fastenings

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

Material: Fusiolen® PP-R

Colour: green



| SDR | Art.-No. | d | l | z | D | d1 | l1 | z1 | D1 | l2 | z2 | c | c1 | c2 | l3 | h | Weight [kg] | System | PU | Box unit | Price € m/pc |
|----------------|--------------|-----------|-------|-------|-------|----|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------------|--------|----|----------|--------------|
| 6 7,4 11 | 30115 | 25 | 60,00 | 44,00 | 40,00 | 20 | 77,50 | 63,00 | 29,50 | 79,00 | 63,00 | 32,00 | 80,00 | 100,00 | 36,00 | 51,00 | 0,273 | • • • | 1 | | |

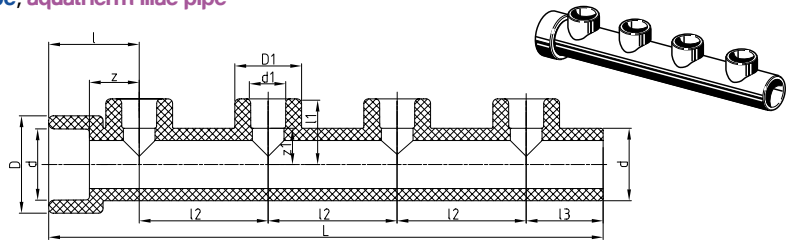
FOUR-PORT MANIFOLD

length: 246 mm, with 4 branches

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

Material: Fusiolen® PP-R

Colour: green



| SDR | Art.-No. | d | d1 | l | z | D | l1 | z1 | D1 | l2 | l3 | L | Weight [kg] | System | PU | Box unit | Price € m/pc | |
|-----|----------|----|----|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------------|--------|----|----------|--------------|--|
| 6 | 30602 | 32 | 16 | 40,00 | 22,00 | 43,00 | 29,00 | 16,00 | 29,50 | 57,00 | 36,00 | 245,00 | 0,141 | • | | 1 | | |
| 7,4 | | | | | | | | | | | | | | | | | | |
| 9 | 30604 | 32 | 20 | 40,00 | 22,00 | 43,00 | 29,00 | 14,50 | 29,50 | 57,00 | 36,00 | 245,00 | 0,134 | • | • | • | 1 | |
| 11 | | | | | | | | | | | | | | | | | | |

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

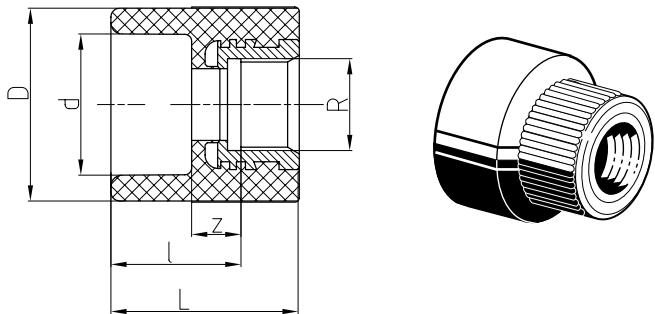
MANIFOLD END PIECE WITH FEMALE THREAD*

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

Material: Fusiolen® PP-R, brass

Standard: DIN 16962, DIN EN ISO 15874

Colour: green



| SDR | Art.-No. | d | R | l | z | D | L | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|----------|----|------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | 30804 | 32 | 1/2" | 30,00 | 12,00 | 43,00 | 43,00 | 0,077 | • | • | • | 2 |
| 7,4 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |

* transition piece as manifold endpiece with female thread

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. aquatherm green pipe stainless steel price list Order-. No.: E53180 on request!!

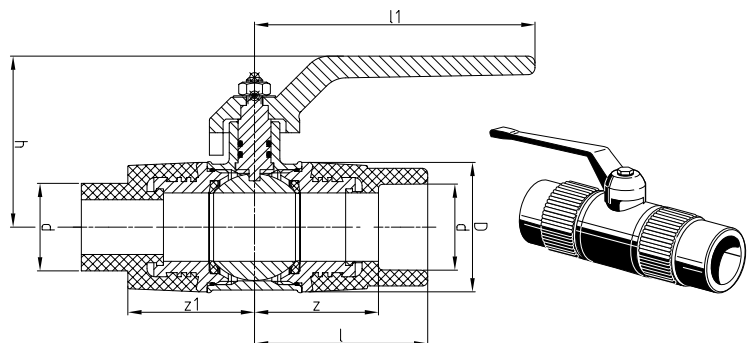
BALL VALVE FOR MANIFOLD

female/male

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

Material: Fusiolen® PP-R, brass

Colour: green

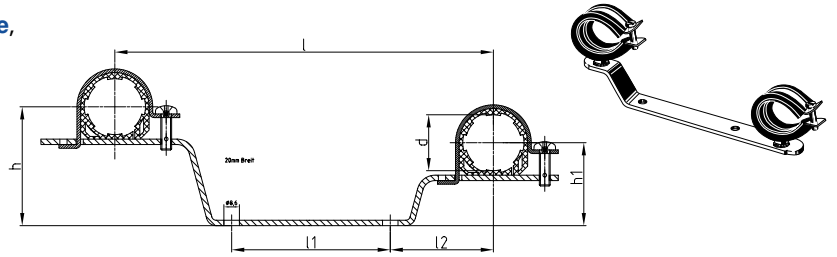


| SDR | Art.-No. | d | l | z | D | z1 | h | l1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|----------|----|-------|-------|-------|-------|-------|--------|-------------|--------|----|----------|--------------|
| 6 | 78000 | 32 | 63,00 | 45,00 | 47,50 | 46,50 | 78,00 | 108,00 | 0,575 | • | • | • | 2 |
| 7,4 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |

SUPPORTING STRAP FOR FOUR-PORT MANIFOLD

with clamps, galvanized, double

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



| Art.-No. | d | l | l1 | l2 | h | h1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|-----------|--------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 60210 | 32 | 210,00 | 80,00 | 57,00 | 66,00 | 46,00 | 0,226 | • • • | 2 | | |

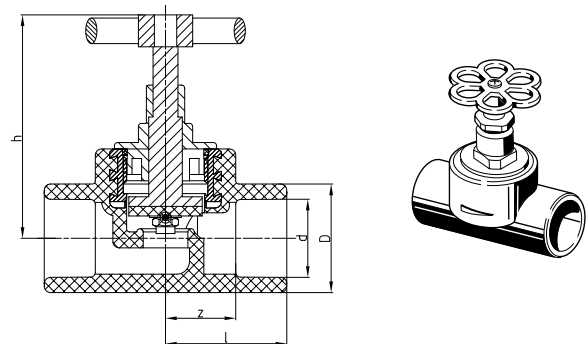
GLOBE VALVE

for surface installation

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

Material: Fusiolen® PP-R, brass

Colour: green



| SDR | Art.-No. | d | l | z | D | h | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------|-------|-------|--------|-------------|--------|----|----------|--------------|
| 6 | 40808 | 20 | 35,00 | 20,50 | 29,50 | 70,00 | 0,165 | • • • | 1 | 100 | |
| 7,4 | 40810 | 25 | 38,00 | 22,00 | 34,00 | 70,00 | 0,172 | • • • | 1 | 100 | |
| 9 | 40812 | 32 | 49,00 | 31,00 | 43,00 | 86,50 | 0,314 | • • • | 1 | 60 | |
| 11 | 40814 | 40 | 60,00 | 39,50 | 52,00 | 100,50 | 0,585 | • • • | 1 | 35 | |

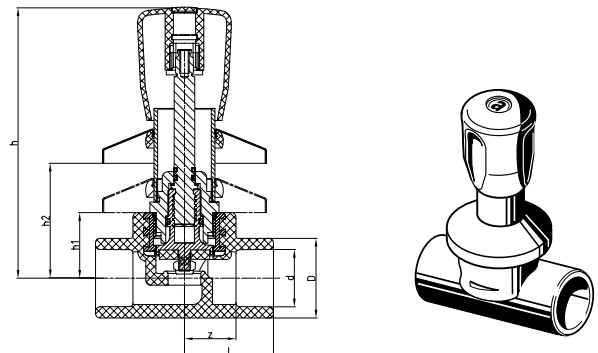
CONCEALED VALVE

chromium plated

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

Material: Fusiolen® PP-R, brass

Colour: green



| SDR | Art.-No. | d | l | z | D | h | h1 | h2 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------|-------|-------|--------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | 40858 | 20 | 35,00 | 20,50 | 29,50 | 116,00 | 28,00 | 59,00 | 0,319 | • • • | 1 | 40 | |
| 7,4 | 40860 | 25 | 38,00 | 22,00 | 34,00 | 116,00 | 28,00 | 59,00 | 0,330 | • • • | 1 | 40 | |
| 9 | 40862 | 32 | 49,00 | 31,00 | 43,00 | 121,00 | 34,00 | 59,00 | 0,416 | • • • | 1 | 30 | |

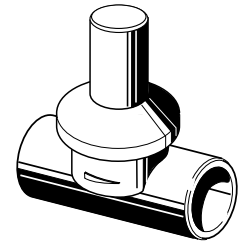
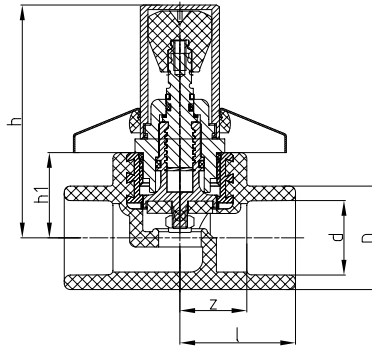
CONCEALED VALVE

tamper proof/ chromium-plated/ short design

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

Material: Fusiolen® PP-R, brass

Colour: green, chrom



| SDR | Art.-No. | d | l | z | D | h | h1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | | | | | | | | | | | | |
| 7,4 | 40868 | 20 | 35,00 | 20,50 | 29,50 | 71,50 | 28,00 | 0,258 | • • • | 1 | 50 | |
| 9 | 40870 | 25 | 38,00 | 22,00 | 34,00 | 71,50 | 28,00 | 0,288 | • • • | 1 | 50 | |
| 11 | 40872 | 32 | 49,00 | 31,00 | 43,00 | 82,50 | 34,00 | 0,376 | • • • | 1 | 30 | |

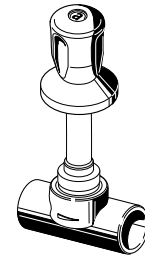
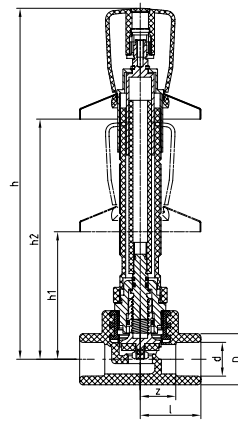
CONCEALED VALVE

suitable for construction depth of 55 mm to 100 mm

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

Material: Fusiolen® PP-R, brass

Colour: green, chrom



| SDR | Art.-No. | d | l | z | D | h | h1 | h2 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------|-------|-------|--------|-------|--------|-------------|--------|----|----------|--------------|
| 6 | | | | | | | | | | | | | |
| 7,4 | 40878 | 20 | 35,00 | 20,50 | 29,50 | 213,00 | 59,00 | 147,00 | 0,357 | • • • | 1 | 40 | |
| 9 | 40880 | 25 | 38,00 | 22,00 | 34,00 | 213,00 | 59,00 | 147,00 | 0,369 | • • • | 1 | 40 | |
| 11 | 40882 | 32 | 49,00 | 31,00 | 43,00 | 219,00 | 65,00 | 153,00 | 0,455 | • • • | 1 | 20 | |

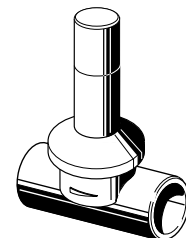
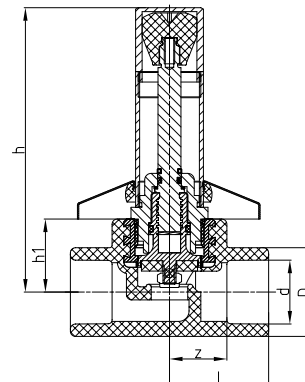
CONCEALED VALVE

tamper proof, chromium-plated

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

Material: Fusiolen® PP-R, brass

Colour: green, chrom



| SDR | Art.-No. | d | l | z | D | h | h1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------|-------|-------|--------|-------|-------------|--------|----|----------|--------------|
| 6 | | | | | | | | | | | | |
| 7,4 | 40888 | 20 | 35,00 | 20,50 | 29,50 | 109,00 | 28,00 | 0,342 | • • • | 1 | 50 | |
| 9 | 40890 | 25 | 38,00 | 22,00 | 34,00 | 109,00 | 28,00 | 0,350 | • • • | 1 | 50 | |
| 11 | 40892 | 32 | 49,00 | 31,00 | 43,00 | 115,00 | 34,00 | 0,432 | • • • | 1 | 40 | |

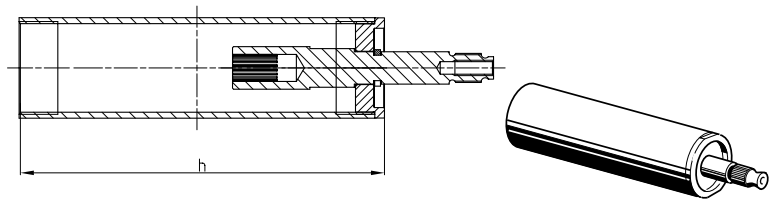
EXTENSION FOR CONCEALED VALVE

chromium-plated for Art.-No. 40858-40862

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

Material: brass

Colour: chrom



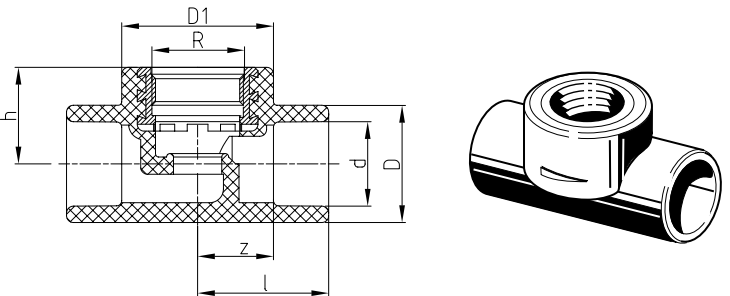
| Art.-No. | h | Weight [kg] | System | PU | Box unit | Price € m/pc |
|----------|--------|-------------|--------|----|----------|--------------|
| 40900 | 92,00 | 0,148 | • • • | 1 | 300 | |
| 40902 | 132,00 | 0,209 | • • • | 1 | 200 | |

STOP VALVE BODY

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

Material: Fusiolen® PP-R, brass

Colour: green



| SDR | Art.-No. | d | R | l | z | D | h | D1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|----------|----|--------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | 40908 | 20 | 3/4" | 35,00 | 20,00 | 29,50 | 28,00 | 44,00 | 0,093 | • • • | 1 | 150 | |
| 7,4 | 40910 | 25 | 3/4" | 38,00 | 22,00 | 34,00 | 28,00 | 44,00 | 0,101 | • • • | 1 | 150 | |
| 9 | 40912 | 32 | 1" | 49,00 | 31,00 | 43,00 | 34,00 | 52,00 | 0,146 | • • • | 1 | 100 | |
| 11 | 40914 | 40 | 1 1/4" | 60,00 | 39,50 | 52,00 | 41,00 | | 0,313 | • • • | 1 | 50 | |

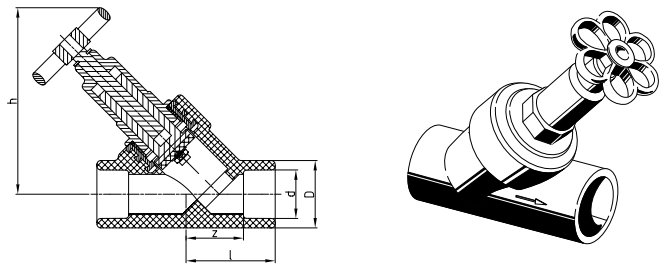
INCLINED VALVE

without drain

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

Material: Fusiolen® PP-R, brass

Colour: green



| SDR | Art.-No. | d | l | z | D | h | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|----------|----|-------|-------|-------|--------|-------------|--------|----|----------|--------------|
| 6 | 41108 | 20 | 45,00 | 30,50 | 34,00 | 95,50 | 0,294 | • • • | 1 | 100 | |
| 7,4 | 41110 | 25 | 45,00 | 29,00 | 34,00 | 95,50 | 0,283 | • • • | 1 | 80 | |
| 9 | 41112 | 32 | 56,00 | 38,00 | 43,00 | 111,50 | 0,421 | • • • | 1 | 50 | |
| 11 | 41114 | 40 | 65,00 | 44,50 | 52,00 | 135,00 | 0,834 | • • • | 1 | 25 | |

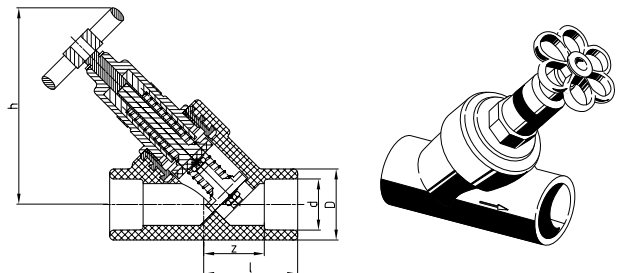
NON-RETURN VALVE

without drain

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

Material: Fusiolen® PP-R, brass

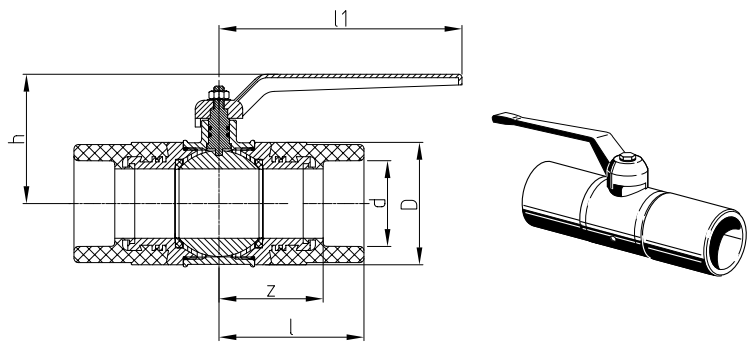
Colour: green



| SDR | Art.-No. | d | l | z | D | h | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|----------|----|-------|-------|-------|--------|-------------|--------|----|----------|--------------|
| 6 | 41208 | 20 | 45,00 | 30,50 | 34,00 | 95,50 | 0,297 | • • • | 1 | 80 | |
| 7,4 | 41210 | 25 | 45,00 | 29,00 | 34,00 | 95,50 | 0,292 | • • • | 1 | 80 | |
| 9 | 41212 | 32 | 56,00 | 38,00 | 43,00 | 111,50 | 0,432 | • • • | 1 | 50 | |
| 11 | 41214 | 40 | 65,00 | 44,50 | 52,00 | 135,00 | 0,840 | • • • | 1 | 25 | |

BALL VALVE PP/BRASS

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

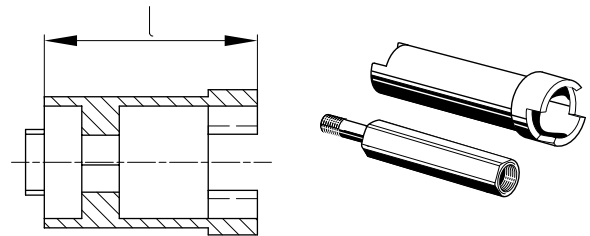


| SDR | Art.-No. | d | l | z | D | h | l1 | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|-----------|--------|-------|-------|--------|--------|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 41308 | 20 | 55,00 | 40,50 | 32,00 | 66,00 | 85,00 | 0,280 | • • • | 1 | 100 | |
| | 41310 | 25 | 55,00 | 39,00 | 41,00 | 73,00 | 85,00 | 0,375 | • • • | 1 | 100 | |
| | 41312 | 32 | 63,50 | 45,50 | 47,00 | 82,00 | 108,00 | 0,592 | • • • | 1 | 60 | |
| | 41314 | 40 | 72,50 | 52,00 | 58,00 | 93,00 | 108,00 | 1,034 | • • • | 1 | 40 | |
| | 41316 | 50 | 83,50 | 60,00 | 70,50 | 114,00 | 140,00 | 1,339 | • • • | 1 | 25 | |
| | 41318 | 63 | 102,50 | 75,00 | 87,00 | 132,00 | 140,00 | 2,552 | • • • | 1 | 15 | |

EXTENSION FOR AQUATHERM GREEN PIPE-BALL VALVE

chromium-plated for Art.-No. 41308-41318

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

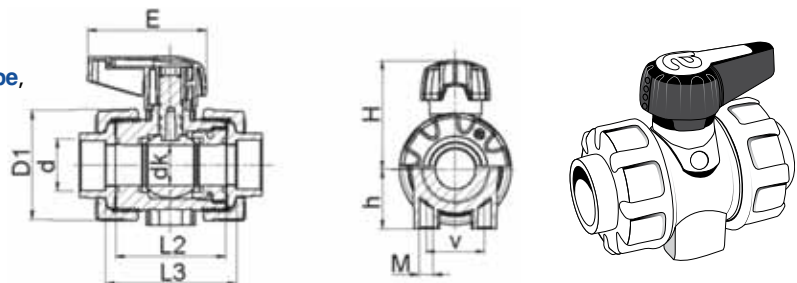


| Art.-No. | l | for Art.-No. | Weight [kg] | System | PU | Box unit | Price € m/pc |
|--------------|--------------|----------------------|-------------|--------|----|----------|--------------|
| 41378 | 35,00 | 41308 / 41310 | 0,120 | • • • | 1 | | |
| 41382 | 35,00 | 41312 / 41314 | 0,120 | • • • | 1 | | |
| 41386 | 46,00 | 41316 / 41318 | 0,273 | • • • | 1 | | |

PP-BALL VALVE

with union nut and welding socket

Systems: **aquatherm green pipe**, **aquatherm blue pipe**,
aquatherm lilac pipe
Material: Fusiolen® PP-R
Colour: green



| SDR | Art.-No. | d | dk | D1 | E | h | H | L2 | L3 | DN | Weight [kg] | System | PU | Box unit | Price € m/pc |
|---------------------|--------------|-----------|------|--------|-------|-------|------|--------|--------|----|-------------|--------|----|----------|--------------|
| 6 7,4 9 11 | 41488 | 20 | 13,5 | 50,30 | 66 | 27,00 | 48 | 56,50 | 68,00 | 15 | 0,118 | • • • | 1 | 200 | |
| | 41490 | 25 | 18,5 | 59,00 | 81 | 30,00 | 56,5 | 65,50 | 78,50 | 20 | 0,188 | • • • | 1 | 120 | |
| | 41492 | 32 | 23,9 | 70,30 | 81,5 | 40,00 | 64,5 | 72,00 | 84,50 | 25 | 0,277 | • • • | 1 | 80 | |
| | 41494 | 40 | 31,0 | 85,90 | 91,5 | 46,00 | 83,3 | 85,00 | 100,00 | 32 | 0,434 | • • • | 1 | 55 | |
| | 41496 | 50 | 38,5 | 99,50 | 91,5 | 55,00 | 89,4 | 89,00 | 107,00 | 40 | 0,549 | • • • | 1 | 45 | |
| | 41498 | 63 | 50,0 | 125,50 | 141,5 | 70,00 | 115 | 101,00 | 118,00 | 50 | 0,922 | • • • | 1 | 25 | |

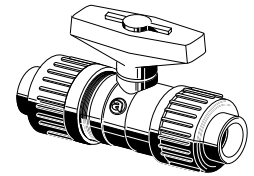
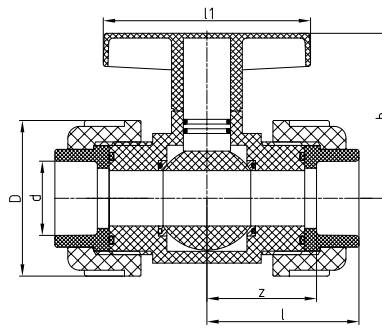
PP-BALL VALVE

with union nut and welding socket

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

Material: Fusiolen® PP-R

Colour: green



| SDR | Art.-No. | d | l | z | D | h | l1 | Inch R | DN | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|--------|--------|--------|--------|--------|--------|----|-------------|--------|----|----------|--------------|
| 6 | | | | | | | | | | | | | | |
| 7,4 | | | | | | | | | | | | | | |
| 9 | 41400 | 75 | 138,00 | 108,00 | 129,00 | 137,00 | 186,00 | | 65 | 2,615 | • • • | 1 | 10 | |
| 11 | | | | | | | | | | | | | | |

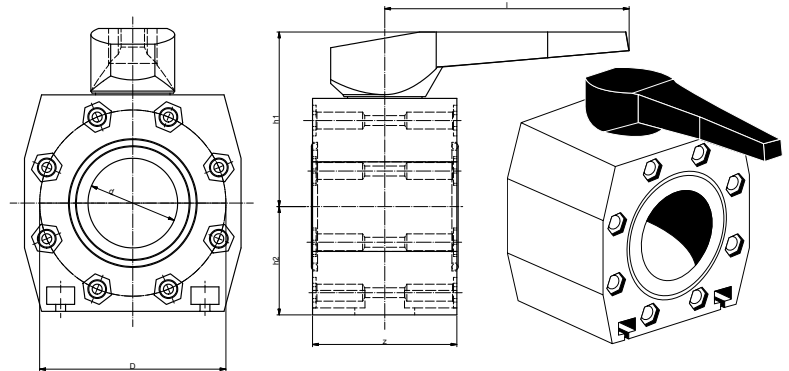
PP-BALL VALVE

with flange connection on both sides

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

Material: Fusiolen® PP-R

Colour: green



| SDR | Art.-No. | for ø | d | l | z | D | h1 | h2 | DN | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|------------|-----|--------|--------|--------|--------|--------|-----|-------------|--------|----|----------|--------------|
| 6 | 41601 | 75 | | | | | | | | | • • • | 1 | | |
| 7,4 | 41602 | 90 | 77 | 210,00 | 124,00 | 160,00 | 150,00 | 93,00 | 80 | 4,171 | • • • | 1 | | |
| 9 | 41604 | 110 | 94 | 260,00 | 145,00 | 180,00 | 165,00 | 103,00 | 100 | 5,612 | • • • | 1 | | |
| 11 | 41607 | 160 | 135 | 310,00 | 205,00 | 240,00 | 210,00 | 136,50 | 150 | 5,615 | • • • | 1 | | |

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 M16x60mm for Art.-No. 41602/41604

Hexagon screw M20x80mm for Art.-No. 41607

corresponding flat washer M16

NOTICE: These are not included in delivery.

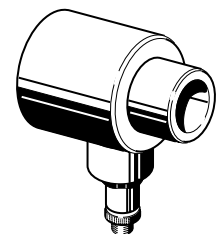
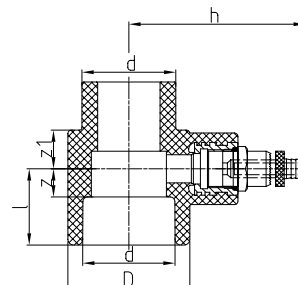
DRAINING BRANCH

to weld in aquatherm green pipe valves

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

Material: Fusiolen® PP-R, brass

Colour: green

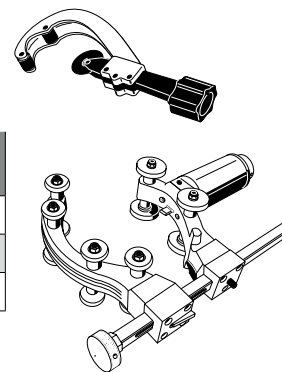


| SDR | Art.-No. | d | z | l | D | z1 | h | Weight [kg] | System | PU | Box unit | Price € m/pc |
|-----|--------------|-----------|-------|-------|-------|-------|-------|-------------|--------|----|----------|--------------|
| 6 | 41408 | 20 | 11,50 | 26,00 | 34,00 | 16,50 | 67,00 | 0,098 | • • • | 1 | 200 | |
| 7,4 | 41410 | 25 | 10,00 | 26,00 | 34,00 | 16,50 | 67,00 | 0,096 | • • • | 1 | 200 | |
| 9 | 41412 | 32 | 14,00 | 32,00 | 43,00 | 17,00 | 70,50 | 0,118 | • • • | 1 | 150 | |
| 11 | 41414 | 40 | 12,00 | 32,50 | 52,00 | 16,50 | 76,50 | 0,140 | • • • | 1 | 100 | |
| | 41416 | 50 | 15,50 | 39,00 | 68,00 | 17,00 | 83,75 | 0,202 | • • • | 1 | 40 | |
| | 41418 | 63 | 16,50 | 44,00 | 84,00 | 16,50 | 93,00 | 0,288 | • • • | 1 | 25 | |

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.

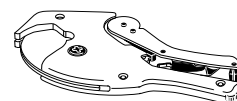
PIPE CUTTER

| Art.-No. | for pipe dimensions | PU | Box unit | Price € m/pc |
|----------|---------------------|----|----------|--------------|
| 50102 | ø 16 - 40 mm | 1 | | |
| 50105 | ø 50 - 125 mm | 1 | | |
| 50106 | ø 110 - 160 mm | 1 | | |



PIPE CUTTER

| Art.-No. | for pipe dimensions | PU | Box unit | Price € m/pc |
|----------|---------------------|----|----------|--------------|
| 50104 | ø 16 - 40 mm | 1 | | |



ORBITAL CIRCULAR SAW

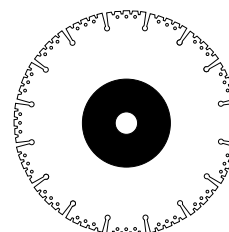
| Art.-No. | for pipe dimensions | PU | Box unit | Price € m/pc |
|----------|---------------------|----|----------|--------------|
| 50108 | ø 160 - 355 mm | 1 | | |

This orbital circular saw can be ordered directly from Rothenberger with Art.-No. 5.5620 (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 | Bohrung | PU | Box unit | Price € m/pc |
|----------|-----------|---------|----|----------|--------------|
| 50107 | ø 125 mm | 22,2 mm | 1 | | |
| 50109 | ø 230 mm | 22,2 mm | 1 | | |

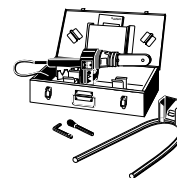
Application: for each angle grinder
Design: diamant galvanized cutting disc



MANUAL WELDING DEVICE (500 W)

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

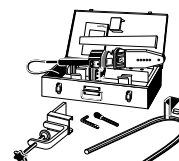
for one tool
with base and case for tools



MANUAL WELDING DEVICE (800 W)

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

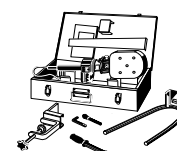
for two tools
with base and case for tools



MANUAL WELDING DEVICE (1400 W)

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

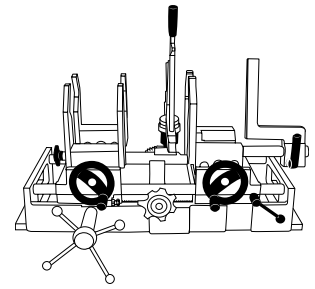
with base and case for tools, including handle



WELDING MACHINE (1400 W)

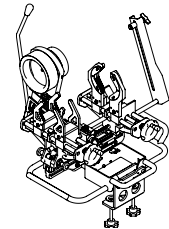
| Art.-No. | for pipe dimensions | PU | Box unit | Price € m/pc |
|--------------|-----------------------|----|----------|-----------------|
| 50148 | ø 50 - 125 mm - 230 V | 1 | | |

including welding tools 50-125 mm, roll stand and wooden transport case

**WELDING MACHINE (1400 W) LIGHT**

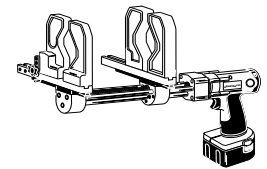
| Art.-No. | for pipe dimensions | PU | Box unit | Price € m/pc |
|--------------|---------------------|----|----------|-----------------|
| 50145 | ø 63 - 125 mm | 1 | | |

including manual welding device (1400 W) and wooden transport case

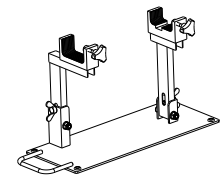
**ELECTRIC WELDING JIG**

| Art.-No. | for pipe dimensions | PU | Box unit | Price € m/pc |
|--------------|---------------------|----|----------|-----------------|
| 50159 | ø 63 - 125 mm | 1 | | |

including standby accumulator, charging station and metal case

**BASE FOR ART.-NO. 50159**

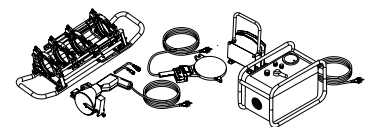
| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|--------------|-----------|----|----------|-----------------|
| 50151 | | 1 | | |

**BUTT WELDING MACHINES ROTHENBERGER**

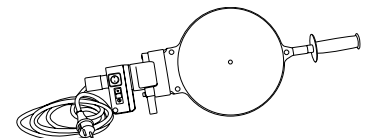
| Art.-No. | for pipe dimensions | PU | Box unit | Price € m/pc |
|--------------|---------------------|----|----------|-----------------|
| 50163 | ø 160 - 250 mm | 1 | | |
| 50178 | ø 160 - 355 mm | 1 | | |

including wooden transport box.

The butt welding machine can be obtained directly from Rothenberger (www.rothenberger.com)

**MANUAL WELDING DEVICE (1500 W) FOR SADDLE WELDING Ø 50-160 mm**

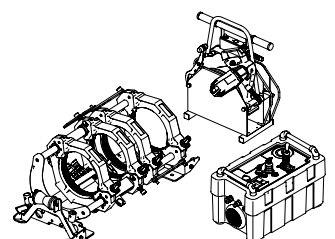
| Art.-No. | for pipe dimensions | PU | Box unit | Price € m/pc |
|--------------|---------------------|----|----------|-----------------|
| 50330 | Ø 50 - 160 mm | 1 | | |

**BUTT WELDING MACHINES RITMO**

| Art.-No. | for pipe dimensions | PU | Box unit | Price € m/pc |
|--------------|---------------------|----|----------|-----------------|
| 50165 | ø 160 - 250 mm | 1 | | |
| 50166 | ø 160 - 315 mm | 1 | | |
| 50177 | ø 160 - 355 mm | 1 | | |
| 50169 | ø 400 - 630 mm | 1 | | |

including wooden transport box.

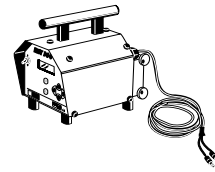
The butt welding machine can be obtained directly from Ritmo (www.ritmo.it)



ELECTROFUSION DEVICE

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

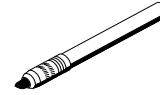
For processing with electro-fusion-sockets Art.-No. 17234-17238.
Special calibration-tools - obtainable on request - are required



TEMPERATURE PENCIL

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|--------------|-----------|----|----------|-----------------|
| 50190 | | 1 | | |

to check the correct welding temperature



SURFACE THERMOMETER

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|--------------|-----------|----|----------|-----------------|
| 50188 | | 1 | | |

to check the correct welding temperature



TEMPERATURE PREDECTIVE GLOVE

for tool change

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|--------------|-----------|----|----------|-----------------|
| 50195 | | 2 | | |



CLEANING WIPES

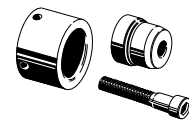
| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|--------------|---------------------|----|----------|-----------------|
| 50193 | Box with 100 towels | 1 | | |

for electrofusion sockets



WELDING TOOLS

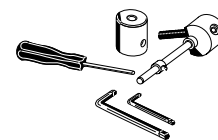
| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|--------------|-----------|----|----------|-----------------|
| 50206 | 16 mm | 1 | | |
| 50208 | 20 mm | 1 | | |
| 50210 | 25 mm | 1 | | |
| 50212 | 32 mm | 1 | | |
| 50214 | 40 mm | 1 | | |
| 50216 | 50 mm | 1 | | |
| 50218 | 63 mm | 1 | | |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



REPAIR SET

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

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



PIPE REPAIR STICK

for pipe repairs

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



NEW aquatherm UNIVERSAL PEELING TOOLS

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

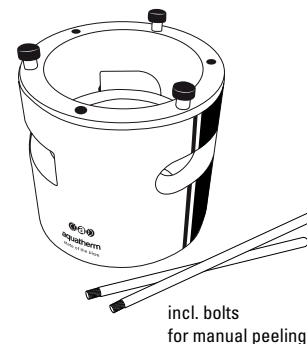
Required for the **socket welding**



(in combination with socket welding fittings from page 18 onwards, e.g. sockets, elbows, T-pieces, transition pieces with thread)

Also suitable for manual peeling (bolts included)

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|----------|-----------|----|----------|--------------|
| 50479 | 20 mm | 1 | | |
| 50480 | 25 mm | 1 | | |
| 50481 | 32 mm | 1 | | |
| 50482 | 40 mm | 1 | | |
| 50483 | 50 mm | 1 | | |
| 50484 | 63 mm | 1 | | |
| 50485 | 75 mm | 1 | | |
| 50486 | 90 mm | 1 | | |
| 50487 | 110 mm | 1 | | |
| 50488 | 125 mm | 1 | | |

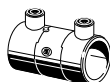


not suitable for aquatherm green pipe S, aquatherm blue pipe S, aquatherm green pipe MF, aquatherm blue pipe MF, aquatherm green pipe MF RP, aquatherm green pipe TI, aquatherm blue pipe TI

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

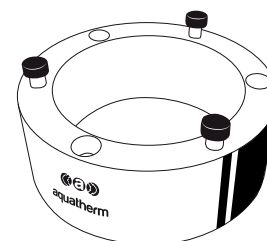
NEW aquatherm EXTENSION FOR UNIVERSAL PEELING TOOL

Required for the **electrofusion socket welding** (aquatherm electrofusion sockets on page 40)



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)

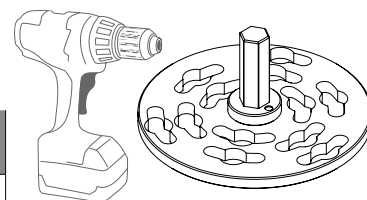
| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|----------|--|----|----------|--------------|
| 50489 | for peeling tool 20 mm art.-no. 50479 | 1 | | |
| 50490 | for peeling tool 25 mm art.-no. 50480 | 1 | | |
| 50491 | for peeling tool 32 mm art.-no. 50481 | 1 | | |
| 50492 | for peeling tool 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 | | |



NEW 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 € m/pc |
|----------|--|----|----------|--------------|
| 50499 | for universal peeling tool 50479 – 50484 | 1 | 3 | |
| 50500 | for universal peeling tool 50485 – 50488 | 1 | 3 | |



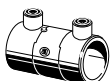
Delivery without drilling machine!

aquatherm PEELING TOOLS FOR ELECTROFUSION SOCKET WELDING (Art.-No.17208-17238)

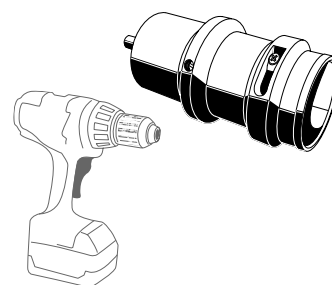
for aquatherm green pipe S, aquatherm green pipe MF, aquatherm green pipe MF RP, aquatherm green pipe MFTI, aquatherm blue pipe S, aquatherm blue pipe MF and aquatherm blue pipe MFTI

Required to remove the **oxid coating**

(aquatherm electrofusion sockets on page 40)



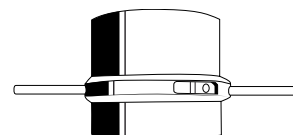
| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|---|-----------|----|----------|--------------|
| In combination with a drilling machine | | | | |
| 50558 | 20 mm | 1 | | |
| 50560 | 25 mm | 1 | | |
| 50562 | 32 mm | 1 | | |
| 50564 | 40 mm | 1 | | |
| 50566 | 50 mm | 1 | | |
| 50568 | 63 mm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



Art.-No. 50558-50572

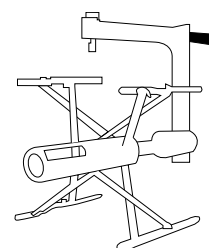
In combination with a drilling machine (not included!)

| For manual peeling | | | | |
|---------------------------|--------|---|--|--|
| 50574 | 110 mm | 1 | | |
| 50576 | 125 mm | 1 | | |
| 50580 | 160 mm | 1 | | |



Art.-No. 50574-50580

| For manual peeling | | | | |
|---------------------------|--------------|---|--|--|
| 50592 | 200 + 250 mm | 1 | | |



Art.-No. 50592

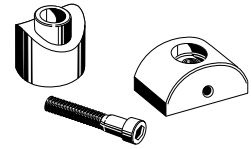
Not suitable for aquatherm green pipe UV, aquatherm blue pipe UV, aquatherm blue pipe OT and aquatherm green pipe MS

S = single, MF = multilayer faser, MS = multilayer stabi, 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

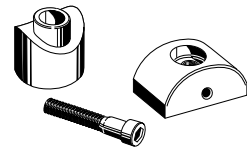


| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|----------|----------------|----|----------|-----------------|
| 50614 | 40 x 20/25 mm | 1 | | |
| 50616 | 50 x 20/25 mm | 1 | | |
| 50619 | 63 x 20/25 mm | 1 | | |
| 50620 | 63 x 32 mm | 1 | | |
| 50623 | 75 x 20/25 mm | 1 | | |
| 50624 | 75 x 32 mm | 1 | | |
| 50625 | 75 x 40 mm | 1 | | |
| 50627 | 90 x 20/25 mm | 1 | | |
| 50628 | 90 x 32 mm | 1 | | |
| 50629 | 90 x 40 mm | 1 | | |
| 50631 | 110 x 20/25 mm | 1 | | |
| 50632 | 110 x 32 mm | 1 | | |
| 50634 | 110 x 40 mm | 1 | | |
| 50635 | 110 x 50 mm | 1 | | |
| 50636 | 125 x 20/25 mm | 1 | | |
| 50638 | 125 x 32 mm | 1 | | |
| 50640 | 125 x 40 mm | 1 | | |
| 50642 | 125 x 50 mm | 1 | | |
| 50644 | 125 x 63 mm | 1 | | |
| 50648 | 160 x 20/25 mm | 1 | | |
| 50650 | 160 x 32 mm | 1 | | |
| 50652 | 160 x 40 mm | 1 | | |
| 50654 | 160 x 50 mm | 1 | | |
| 50656 | 160 x 63 mm | 1 | | |
| 50657 | 160 x 75 mm | 1 | | |
| 50658 | 160 x 90 mm | 1 | | |
| 50660 | 200 x 20/25 mm | 1 | | |
| 50662 | 200 x 32 mm | 1 | | |
| 50664 | 200 x 40 mm | 1 | | |
| 50666 | 200 x 50 mm | 1 | | |
| 50667 | 200 x 75 mm | 1 | | |
| 50668 | 200 x 63 mm | 1 | | |
| 50669 | 200 x 90 mm | 1 | | |
| 50670 | 200 x 110 mm | 1 | | |
| 50671 | 200 x 125 mm | 1 | | |
| 50672 | 250 x 20/25 mm | 1 | | |
| 50674 | 250 x 32 mm | 1 | | |
| 50676 | 250 x 40 mm | 1 | | |
| 50678 | 250 x 50 mm | 1 | | |
| 50680 | 250 x 63 mm | 1 | | |
| 50682 | 250 x 75 mm | 1 | | |

SADDLE WELDING TOOLS

for welding saddles

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|----------|------------------|----|----------|-----------------|
| 50684 | 250 x 90 mm | 1 | | |
| 50686 | 250 x 110 mm | 1 | | |
| 50688 | 250 x 125 mm | 1 | | |
| 50690 | 315 x 63 mm | 1 | | |
| 50692 | 315 x 75 mm | 1 | | |
| 50694 | 315 x 90 mm | 1 | | |
| 50696 | 315 x 110 mm | 1 | | |
| 50698 | 315 x 125 mm | 1 | | |
| 50699 | 315 x 160 mm | 1 | | |
| 50712 | 355 x 63 mm | 1 | | |
| 50714 | 355 x 75 mm | 1 | | |
| 50716 | 355 x 90 mm | 1 | | |
| 50718 | 355 x 110 mm | 1 | | |
| 50720 | 355 x 125 mm | 1 | | |
| 50722 | 355 x 160 mm | 1 | | |
| 50726 | 400-630 x 63 mm | 1 | | |
| 50728 | 400-500 x 75 mm | 1 | | |
| 50730 | 560-630 x 75 mm | 1 | | |
| 50732 | 400-500 x 90 mm | 1 | | |
| 50734 | 560-630 x 90 mm | 1 | | |
| 50736 | 400-450 x 110 mm | 1 | | |
| 50738 | 500-560 x 110 mm | 1 | | |
| 50740 | 630 x 110 mm | 1 | | |
| 50742 | 400 x 125 mm | 1 | | |
| 50744 | 450-500 x 125 mm | 1 | | |
| 50746 | 560-630 x 125 mm | 1 | | |



aquatherm green pipe

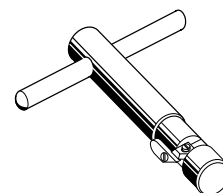
aquatherm blue pipe

aquatherm lilac pipe

CHAMFERING DEVICES

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|----------|------------|----|----------|--------------|
| 50910 | 20 & 25 mm | 1 | | |
| 50912 | 32 mm | 1 | | |
| 50914 | 40 mm | 1 | | |

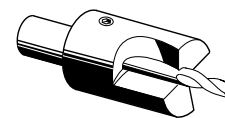
for removal of the aluminium swarfs at the drill hole only with stabi-composite pipes - to prepare the saddle welding



Only for stabi-composite pipes!

DRILLS for installation of weld-in saddles

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|----------|------------------------------------|----|----------|--------------|
| 50940 | 20 & 25 mm (for pipes 40 - 160 mm) | 1 | | |
| 50941 | 20 & 25 mm (for pipes 63 - 250 mm) | 1 | | |
| 50942 | 32 mm | 1 | | |
| 50944 | 40 mm | 1 | | |
| 50946* | 50 mm | 1 | | |
| 50948* | 63 mm | 1 | | |
| 50950**/ | 75 mm | 1 | | |
| 50952**/ | 90 mm | 1 | | |
| 50954**/ | 110 mm | 1 | | |
| 50956**/ | 125 mm | 1 | | |
| 50958**/ | 160 mm | 1 | | |



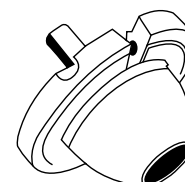
* may only be used in fixed drilling machines!



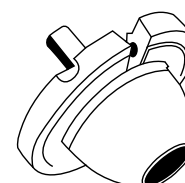
** tool holder MK4

SADDLE PEELING TOOLS FOR aquatherm blue pipe OT PIPES ø 50-125mm

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

**SADDLE PEELING TOOLS FOR aquatherm blue pipe OT PIPES ø 160-250mm**

| Art.-No. | Dimension | PU | Box unit | Price € m/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 | |



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 ISO pipe system with different medium pipes.

- ➔ **aquatherm green pipe ti** -
faser composite pipe system SDR 9 pipe system for potable water in dimensions 32-250 mm
- ➔ **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 160-315 mm for heating, cooling and waste water
- ➔ **aquatherm blue pipe ot ti** -
faser composite pipe system SDR 11 oxygen-tight pipe system for heating- and industrial water in dimensions 32-250 mm

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

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

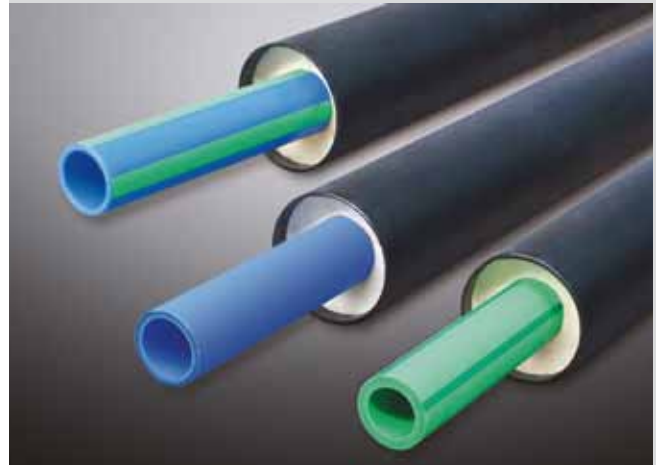
For further informations please call our technical hotline +43(0)2722 950 200, visit www.aquatherm.de or order our new aquatherm ti catalogue (Ord.No. E30000).

FIELDS OF APPLICATION

System recommended due to its technical advantages: ●

Application of the system is suitable: ○

| | 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 | ● | ● | ● |



aquatherm ti

PRE-INSULATED PIPE SYSTEM

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 – 315 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 corresponding to the dimension, two melting adhesive strips, one casing shrink film and one shrink sleeve.

MEDIUMPIPE

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

aquatherm green pipe faser-composite pipe SDR 9

Max. operating pressure: 20 bars
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 bars
Max. operating temperature: 80° C
Colour: blue with 4 wide green stripes
Field of application: see operating pressure tables.

aquatherm blue pipe OT-faser-composite pipe SDR 11

Max. operating pressure: 10 bars
Max. operating temperature: 80° C
Colour: blue
Field of application: see operating pressure tables.

The manufacturer's operating instructions are valid.

INSULATION

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

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

CASING PIPE

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

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 | | System | | | | | | | | PU | Box unit |
|------------------|-------------|-------------------------------|--------------|-------------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|------|----------|
| | | 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 | | | |
| Medium pipe | Casing pipe | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | m/pc | |
| 32 mm | 90 mm | 1370711 | | 2270111 | | 2470711 | | | | 5,8 | 10 |
| 40 mm | 110 mm | 1370713 | | 2270113 | | 2470113 | | | | 5,8 | 10 |
| 50 mm | 110 mm | 1370715 | | 2270115 | | 2470115 | | | | 5,8 | 10 |
| 63 mm | 125 mm | 1370717 | | 2270117 | | 2470117 | | | | 5,8 | 10 |
| 75 mm | 140 mm | 1370719 | | 2270119 | | 2470119 | | | | 5,8 | 10 |
| 90 mm | 160 mm | 1370721 | | 2270121 | | 2470121 | | | | 5,8 | 10 |
| 110 mm | 200 mm | 1370723 | | 2270123 | | 2470123 | | | | 5,8 | 10 |
| 125 mm | 225 mm | 1370725 | | 2270125 | | 2470125 | | | | 5,8 | 10 |
| 160 mm | 250 mm | 1370729 | | 2270129 | | 2470129 | | 2770129 | | 5,8 | 10 |
| 200 mm | 315 mm | 1370733 | | 2270133 | | 2470133 | | 2770133 | | 5,8 | 10 |
| 250 mm | 400 mm | 1370737 | | 2270137 | | 2470137 | | 2770137 | | 5,8 | 10 |
| 315 mm | 450 mm | | | 2270141 | | | | 2770141 | | 5,8 | 10 |

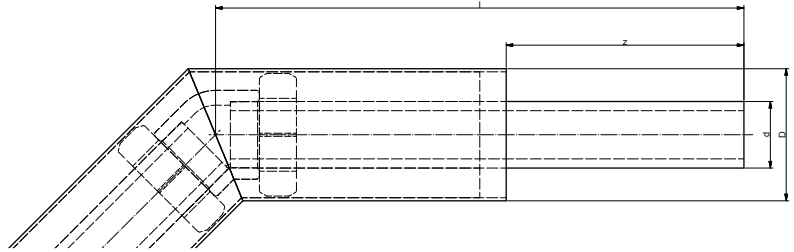
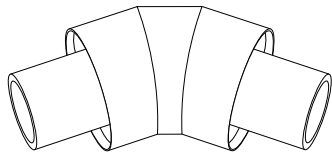
On request available: aquatherm green pipe ti SDR7,4

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 | | System | | | | | | | | PU | Box unit |
|------------------|-------------|-------------------------------|--------------|-------------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|------|----------|
| | | 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 | | | |
| Medium pipe | Casing pipe | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | m/pc | |
| 32 mm | 90 mm | 1370712 | | 2270112 | | 2470712 | | | | 11,6 | 10 |
| 40 mm | 110 mm | 1370714 | | 2270114 | | 2470114 | | | | 11,6 | 10 |
| 50 mm | 110 mm | 1370716 | | 2270116 | | 2470116 | | | | 11,6 | 10 |
| 63 mm | 125 mm | 1370718 | | 2270118 | | 2470118 | | | | 11,6 | 10 |
| 75 mm | 140 mm | 1370720 | | 2270120 | | 2470120 | | | | 11,6 | 10 |
| 90 mm | 160 mm | 1370722 | | 2270122 | | 2470122 | | | | 11,6 | 10 |
| 110 mm | 200 mm | 1370724 | | 2270124 | | 2470124 | | | | 11,6 | 10 |
| 125 mm | 225 mm | 1370726 | | 2270126 | | 2470126 | | | | 11,6 | 10 |
| 160 mm | 250 mm | 1370730 | | 2270130 | | 2470130 | | 2770130 | | 11,6 | 10 |
| 200 mm | 315 mm | 1370734 | | 2270134 | | 2470134 | | 2770134 | | 11,6 | 10 |
| 250 mm | 400 mm | 1370738 | | 2270138 | | 2470138 | | 2770138 | | 11,6 | 10 |
| 315 mm | 450 mm | | | 2270142 | | | | 2770142 | | 11,6 | 10 |

On request available: aquatherm green pipe ti SDR7,4



aquatherm ti - ELBOW 45° SL 500

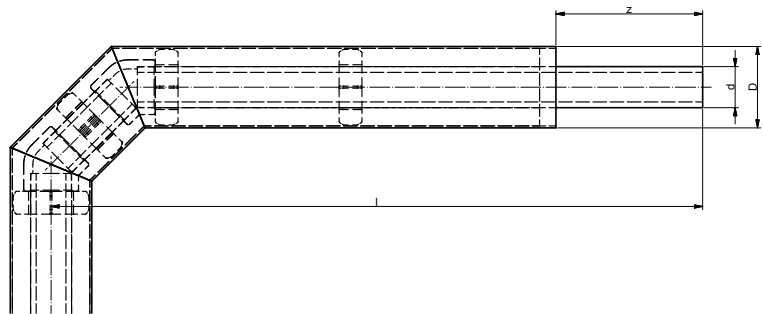
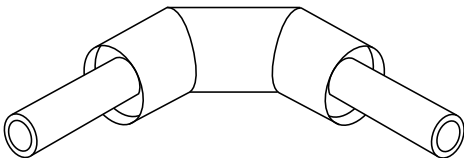
with PUR rigid foam and coated with a casing pipe made of PEHD

| Outside diameter | | System | | | | | | | | | | PU | Box unit |
|------------------|-------------|-------------------------------|--------|-------------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|---------|--|----------|--------------|
| d | D | 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 | | m/pc | | | |
| Medium pipe | Casing pipe | z | l | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | | | Art.-No. | Price € m/pc |
| 32 | 90,00 | 225,00 | 500,00 | 1312512 | | 2212512 | | 2412512 | | | | 1 | 10 |
| 40 | 110,00 | 225,00 | 500,00 | 1312514 | | 2212514 | | 2412514 | | | | 1 | 10 |
| 50 | 110,00 | 225,00 | 500,00 | 1312516 | | 2212516 | | 2412516 | | | | 1 | 10 |
| 63 | 125,00 | 225,00 | 500,00 | 1312518 | | 2212518 | | 2412518 | | | | 1 | 10 |
| 75 | 140,00 | 225,00 | 500,00 | 1312520 | | 2212520 | | 2412520 | | | | 1 | 10 |
| 90 | 160,00 | 225,00 | 500,00 | 1312522 | | 2212522 | | 2412522 | | | | 1 | 10 |
| 110 | 200,00 | 225,00 | 500,00 | 1312524 | | 2212524 | | 2412524 | | | | 1 | 10 |
| 125 | 225,00 | 225,00 | 500,00 | 1312526 | | 2212526 | | 2412526 | | | | 1 | 10 |
| 160 | 250,00 | 225,00 | 500,00 | 1312530 | | 2212531 | | 2412531 | | 2712530 | | 1 | 10 |
| 200 | 315,00 | 225,00 | 500,00 | 1312534 | | 2212535 | | 2412535 | | 2712534 | | 1 | 10 |
| 250 | 400,00 | 225,00 | 500,00 | 1312538 | | 2212539 | | 2412539 | | 2712538 | | 1 | 10 |
| 315 | 450,00 | 225,00 | 500,00 | | | 2212543 | | | | 2712542 | | 1 | 10 |

Also available in design 15° and 30°

On request available: aquatherm green pipe ti SDR7,4

aquatherm ti



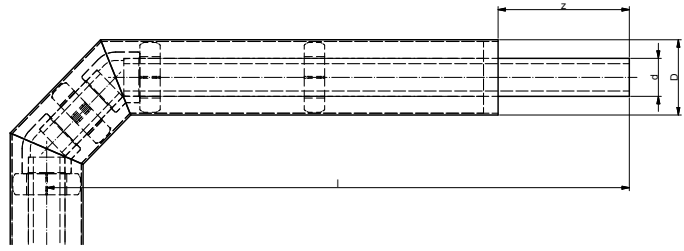
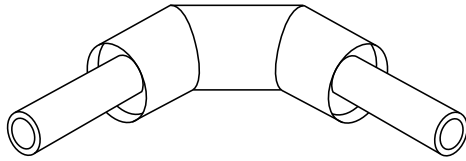
aquatherm ti - ELBOW 90° SL 500

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

| Outside diameter | | System | | | | | | | | PU | Box unit |
|------------------|-------------|-------------------------------|--------|-------------------------------|--------------|----------------------------------|--------------|---------|--|----------|--------------|
| d | D | aquatherm green pipe ti SDR 9 | | aquatherm blue pipe ti SDR 11 | | aquatherm blue pipe ot ti SDR 11 | | m/pc | | | |
| Medium pipe | Casing pipe | z | l | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | | | Art.-No. | Price € m/pc |
| 32 | 90,00 | 225,00 | 500,00 | 1312212 | | 2212212 | | 2412212 | | 1 | 10 |
| 40 | 110,00 | 225,00 | 500,00 | 1312214 | | 2212214 | | 2412214 | | 1 | 10 |
| 50 | 110,00 | 225,00 | 500,00 | 1312216 | | 2212216 | | 2412216 | | 1 | 10 |
| 63 | 125,00 | 225,00 | 500,00 | 1312218 | | 2212218 | | 2412218 | | 1 | 10 |
| 75 | 140,00 | 225,00 | 500,00 | 1312220 | | 2212220 | | 2412220 | | 1 | 10 |

Also available in design 60° and 75°

On request available: aquatherm green pipe ti SDR7,4



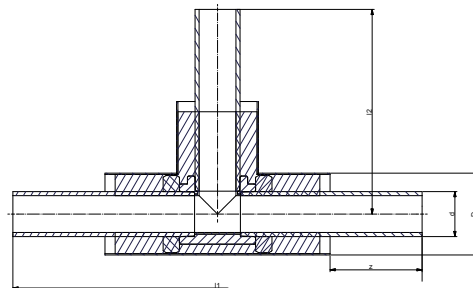
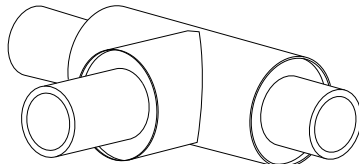
aquatherm ti - ELBOW 90° SL 1000

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

| Outside diameter | | System | | | | | | | | | | LE | PG |
|------------------|-------------|--------|---------|-------------------------------|--------------|-------------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|------|----|
| d | D | z | l | 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 | | | |
| Medium pipe | Casing pipe | | | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | m/pc | |
| 32 | 90,00 | 225,00 | 1000,00 | 1312112 | | 2212112 | | 2412112 | | | | 1 | 10 |
| 40 | 110,00 | 225,00 | 1000,00 | 1312114 | | 2212114 | | 2412114 | | | | 1 | 10 |
| 50 | 110,00 | 225,00 | 1000,00 | 1312116 | | 2212116 | | 2412116 | | | | 1 | 10 |
| 63 | 125,00 | 225,00 | 1000,00 | 1312118 | | 2212118 | | 2412118 | | | | 1 | 10 |
| 75 | 140,00 | 225,00 | 1000,00 | 1312120 | | 2212120 | | 2412120 | | | | 1 | 10 |
| 90 | 160,00 | 225,00 | 1000,00 | 1312122 | | 2212122 | | 2412122 | | | | 1 | 10 |
| 110 | 200,00 | 225,00 | 1000,00 | 1312124 | | 2212124 | | 2412124 | | | | 1 | 10 |
| 125 | 225,00 | 225,00 | 1000,00 | 1312126 | | 2212126 | | 2412126 | | | | 1 | 10 |
| 160 | 250,00 | 225,00 | 1000,00 | 1312130 | | 2212131 | | 2412131 | | 2712130 | | 1 | 10 |
| 200 | 315,00 | 225,00 | 1000,00 | 1312134 | | 2212135 | | 2412135 | | 2712134 | | 1 | 10 |
| 250 | 400,00 | 225,00 | 1000,00 | 1312138 | | 2212139 | | 2412139 | | 2712138 | | 1 | 10 |
| 315 | 450,00 | 225,00 | 1000,00 | | | 2212143 | | | | 2712142 | | 1 | 10 |

Also available in design 60° and 75°

On request available: aquatherm green pipe ti SDR7,4

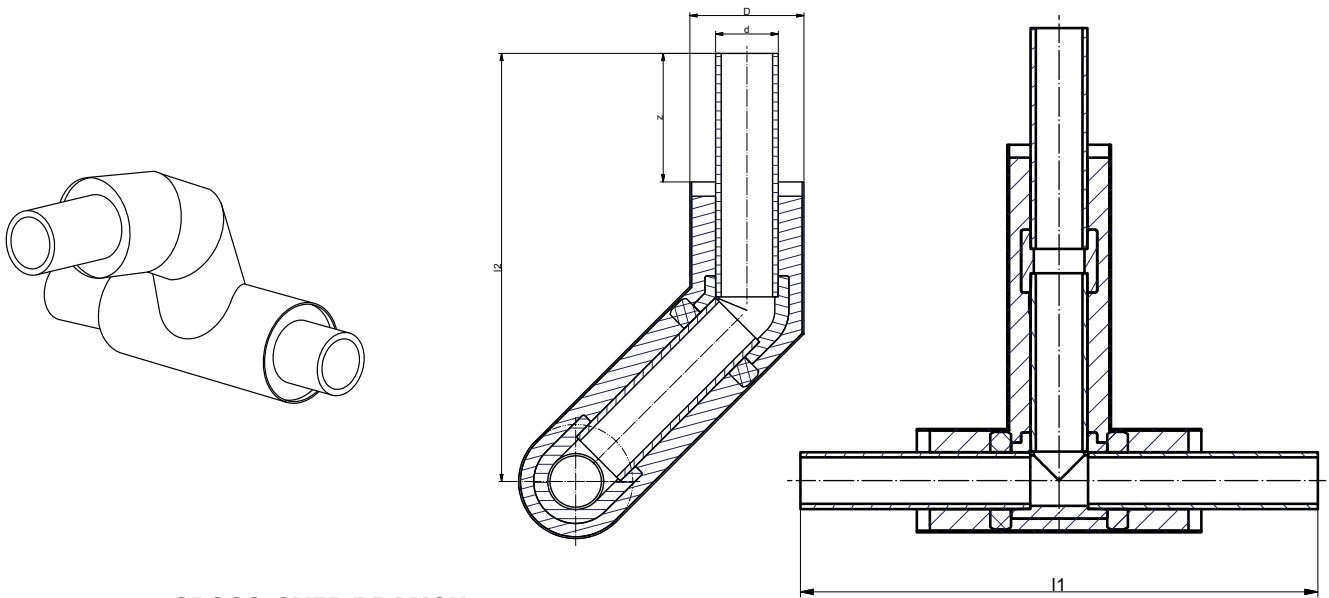


aquatherm ti - BRANCH

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

| Outside diameter | | System | | | | | | | | | | PU | Box unit | |
|------------------|-------------|--------|---------|--------|-------------------------------|--------------|-------------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|----------|----|
| d | D | z | l1 | l2 | 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 | | | |
| Medium pipe | Casing pipe | | | | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | m/pc | |
| 32 | 90,00 | 225,00 | 1000,00 | 500,00 | 1313112 | | 2213112 | | 2413112 | | | | 1 | 10 |
| 40 | 110,00 | 225,00 | 1000,00 | 500,00 | 1313114 | | 2213114 | | 2413114 | | | | 1 | 10 |
| 50 | 110,00 | 225,00 | 1000,00 | 500,00 | 1313116 | | 2213116 | | 2413116 | | | | 1 | 10 |
| 63 | 125,00 | 225,00 | 1000,00 | 500,00 | 1313118 | | 2213118 | | 2413118 | | | | 1 | 10 |
| 75 | 140,00 | 225,00 | 1000,00 | 500,00 | 1313120 | | 2213120 | | 2413120 | | | | 1 | 10 |
| 90 | 160,00 | 225,00 | 1000,00 | 500,00 | 1313122 | | 2213122 | | 2413122 | | | | 1 | 10 |
| 110 | 200,00 | 225,00 | 1000,00 | 500,00 | 1313124 | | 2213124 | | 2413124 | | | | 1 | 10 |
| 125 | 225,00 | 225,00 | 1000,00 | 500,00 | 1313126 | | 2213126 | | 2413126 | | | | 1 | 10 |
| 160 | 250,00 | 225,00 | 1000,00 | 500,00 | 1313130 | | 2213131 | | 2413131 | | 2713130 | | 1 | 10 |
| 200 | 315,00 | 225,00 | 1500,00 | 750,00 | 1313134 | | 2213135 | | 2413135 | | 2713134 | | 1 | 10 |
| 250 | 400,00 | 225,00 | 1500,00 | 750,00 | 1313138 | | 2213139 | | 2413139 | | 2713138 | | 1 | 10 |
| 315 | 450,00 | 225,00 | 1500,00 | 750,00 | | | 2213143 | | | | 2713142 | | 1 | 10 |

On request available: aquatherm green pipe ti SDR7,4

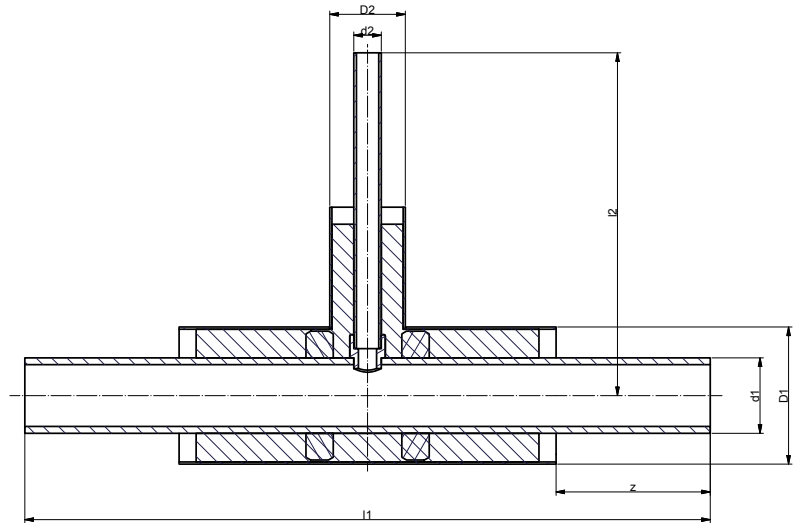
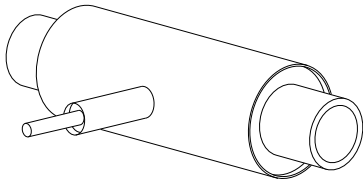


aquatherm ti - CROSS-OVER BRANCH

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

| Outside diameter | | z | l1 | l2 | System | | | | | | | | PU | Box unit |
|------------------|------------------|--------|---------|---------|-------------------------------|--------------|-------------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|------|----------|
| d Medium pipe | D Casing pipe | | | | 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 | | | |
| | | | | | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | m/pc | |
| 32 | 90,00 | 225,00 | 1000,00 | 750,00 | 1318112 | | 2218112 | | 2418112 | | | | 1 | |
| 40 | 110,00 | 225,00 | 1000,00 | 750,00 | 1318114 | | 2218114 | | 2418114 | | | | 1 | |
| 50 | 110,00 | 225,00 | 1000,00 | 750,00 | 1318116 | | 2218116 | | 2418116 | | | | 1 | |
| 63 | 125,00 | 225,00 | 1000,00 | 750,00 | 1318118 | | 2218118 | | 2418118 | | | | 1 | |
| 75 | 140,00 | 225,00 | 1000,00 | 750,00 | 1318120 | | 2218120 | | 2418120 | | | | 1 | |
| 90 | 160,00 | 225,00 | 1000,00 | 750,00 | 1318122 | | 2218122 | | 2418122 | | | | 1 | |
| 110 | 200,00 | 225,00 | 1000,00 | 750,00 | 1318124 | | 2218124 | | 2418124 | | | | 1 | |
| 125 | 225,00 | 225,00 | 1000,00 | 750,00 | 1318126 | | 2218126 | | 2418126 | | | | 1 | |
| 160 | 250,00 | 225,00 | 1000,00 | 1000,00 | 1318130 | | 2218131 | | 2418131 | | 2718130 | | 1 | 10 |
| 200 | 315,00 | 225,00 | 1500,00 | 1000,00 | 1318134 | | 2218135 | | 2418135 | | 2718134 | | 1 | 10 |
| 250 | 400,00 | 225,00 | 1500,00 | 1000,00 | 1318138 | | 2218139 | | 2418139 | | 2718138 | | 1 | 10 |
| 315 | 450,00 | 225,00 | 1500,00 | 1250,00 | | | 2218143 | | | | 2718142 | | 1 | 10 |

On request available: aquatherm green pipe ti SDR7,4

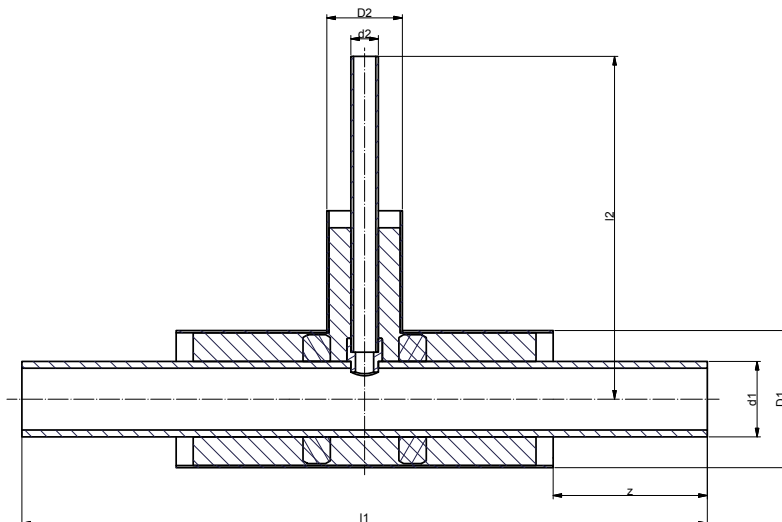
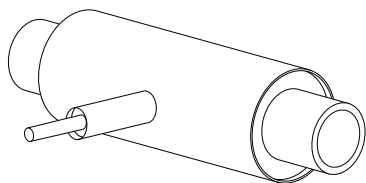


aquatherm ti - RED.-BRANCH SL 500

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

| Outside diameter | | | | System | | | | | | | PU | Box unit | | | |
|------------------|----------------|----------------|----------------|----------|--------------|----------|-------------------------------|-------------------------------|----------------------------------|---------------------------------|--------------|----------|---------|---|----|
| d1 Medium pipe | d2 Medium pipe | D1 Casing pipe | D2 Casing pipe | z | l1 | l2 | 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 | | | | | |
| Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | | | | |
| 40 | 32 | 110,00 | 90 | 225,00 | 1000,00 | 500,00 | 1313202 | | 2213202 | | 2413202 | | | 1 | |
| 50 | 32 | 110,00 | 90 | 225,00 | 1000,00 | 500,00 | 1313206 | | 2213206 | | 2413206 | | | 1 | |
| 50 | 40 | 110,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313208 | | 2213208 | | 2413208 | | | 1 | |
| 63 | 32 | 125,00 | 90 | 225,00 | 1000,00 | 500,00 | 1313212 | | 2213212 | | 2413212 | | | 1 | |
| 63 | 40 | 125,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313214 | | 2213214 | | 2413214 | | | 1 | |
| 63 | 50 | 125,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313216 | | 2213216 | | 2413216 | | | 1 | |
| 75 | 32 | 140,00 | 90 | 225,00 | 1000,00 | 500,00 | 1313220 | | 2213220 | | 2413220 | | | 1 | |
| 75 | 40 | 140,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313222 | | 2213222 | | 2413222 | | | 1 | |
| 75 | 50 | 140,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313224 | | 2213224 | | 2413224 | | | 1 | |
| 75 | 63 | 140,00 | 125 | 225,00 | 1000,00 | 500,00 | 1313226 | | 2213226 | | 2413226 | | | 1 | |
| 90 | 32 | 160,00 | 90 | 225,00 | 1000,00 | 500,00 | 1313230 | | 2213230 | | 2413230 | | | 1 | |
| 90 | 40 | 160,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313232 | | 2213232 | | 2413232 | | | 1 | |
| 90 | 50 | 160,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313234 | | 2213234 | | 2413234 | | | 1 | |
| 90 | 63 | 160,00 | 125 | 225,00 | 1000,00 | 500,00 | 1313236 | | 2213236 | | 2413236 | | | 1 | |
| 90 | 75 | 160,00 | 140 | 225,00 | 1000,00 | 500,00 | 1313238 | | 2213238 | | 2413238 | | | 1 | |
| 110 | 32 | 200,00 | 90 | 225,00 | 1000,00 | 500,00 | 1313242 | | 2213242 | | 2413242 | | | 1 | |
| 110 | 40 | 200,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313244 | | 2213244 | | 2413244 | | | 1 | |
| 110 | 50 | 200,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313246 | | 2213246 | | 2413246 | | | 1 | |
| 110 | 63 | 200,00 | 125 | 225,00 | 1000,00 | 500,00 | 1313248 | | 2213248 | | 2413248 | | | 1 | |
| 110 | 75 | 200,00 | 140 | 225,00 | 1000,00 | 500,00 | 1313250 | | 2213250 | | 2413250 | | | 1 | |
| 110 | 90 | 200,00 | 160 | 225,00 | 1000,00 | 500,00 | 1313252 | | 2213252 | | 2413252 | | | 1 | |
| 125 | 32 | 225,00 | 90 | 225,00 | 1000,00 | 500,00 | 1313256 | | 2213256 | | 2413256 | | | 1 | |
| 125 | 40 | 225,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313258 | | 2213258 | | 2413258 | | | 1 | |
| 125 | 50 | 225,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313260 | | 2213260 | | 2413260 | | | 1 | |
| 125 | 63 | 225,00 | 125 | 225,00 | 1000,00 | 500,00 | 1313262 | | 2213262 | | 2413262 | | | 1 | |
| 125 | 75 | 225,00 | 140 | 225,00 | 1000,00 | 500,00 | 1313264 | | 2213264 | | 2413264 | | | 1 | |
| 125 | 90 | 225,00 | 160 | 225,00 | 1000,00 | 500,00 | 1313266 | | 2213266 | | 2413266 | | | 1 | |
| 125 | 110 | 225,00 | 200 | 225,00 | 1000,00 | 500,00 | 1313268 | | 2213268 | | 2413268 | | | 1 | |
| 160 | 32 | 250,00 | 90 | 225,00 | 1000,00 | 500,00 | 1313290 | | 2213291 | | 2413291 | | 2713290 | 1 | |
| 160 | 40 | 250,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313292 | | 2213293 | | 2413293 | | 2713292 | 1 | |
| 160 | 50 | 250,00 | 110 | 225,00 | 1000,00 | 500,00 | 1313294 | | 2213295 | | 2413295 | | 2713294 | 1 | |
| 160 | 63 | 250,00 | 125 | 225,00 | 1000,00 | 500,00 | 1313296 | | 2213297 | | 2413297 | | 2713296 | 1 | |
| 160 | 75 | 250,00 | 140 | 225,00 | 1000,00 | 500,00 | 1313298 | | 2213299 | | 2413299 | | 2713298 | 1 | |
| 160 | 90 | 250,00 | 160 | 225,00 | 1000,00 | 500,00 | 1313300 | | 2213301 | | 2413301 | | 2713300 | 1 | |
| 160 | 110 | 250,00 | 200,00 | 225,00 | 1500,00 | 750,00 | 1313302 | | 2213303 | | 2413303 | | 2713302 | 1 | 10 |
| 160 | 125 | 250,00 | 225,00 | 225,00 | 1500,00 | 750,00 | 1313304 | | 2213305 | | 2413305 | | 2713304 | 1 | 10 |

On request available: aquatherm green pipe ti SDR7,4

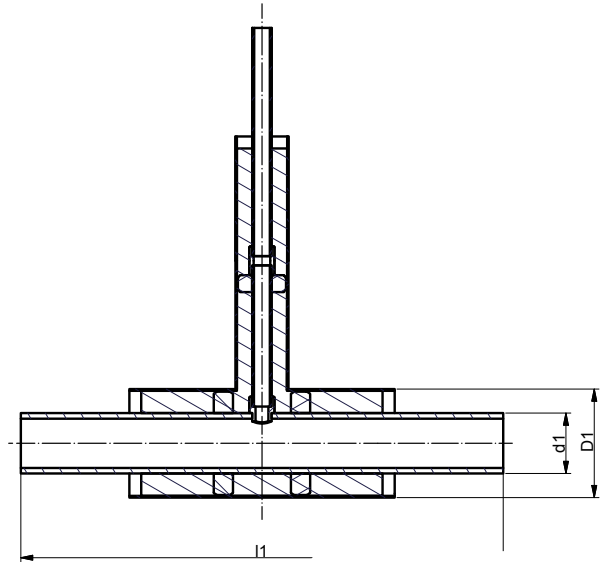
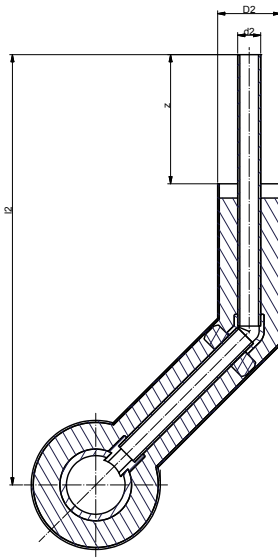
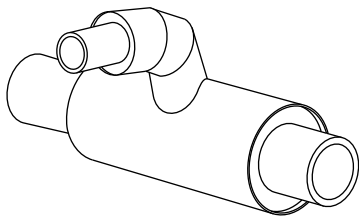


aquatherm ti - RED.-BRANCH SL 750

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

| Outside diameter | | | | System | | | | | | | PU | Box unit | | | | |
|------------------|----------------|----------------|----------------|--------|---------|--------|-------------------------------|-------------------------------|----------------------------------|---------------------------------|----------|--------------|----------|--------------|---|----|
| d1 Medium pipe | d2 Medium pipe | D1 Casing pipe | D2 Casing pipe | z | l1 | l2 | 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 | | | | | | |
| | | | | | | | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | | |
| 200 | 32 | 315,00 | 90 | 225,00 | 1500,00 | 750,00 | 1313332 | | 2213333 | | 2413333 | | 2713332 | | 1 | 10 |
| 200 | 40 | 315,00 | 110 | 225,00 | 1500,00 | 750,00 | 1313334 | | 2213335 | | 2413335 | | 2713334 | | 1 | 10 |
| 200 | 50 | 315,00 | 110 | 225,00 | 1500,00 | 750,00 | 1313336 | | 2213337 | | 2413337 | | 2713336 | | 1 | 10 |
| 200 | 63 | 315,00 | 125 | 225,00 | 1500,00 | 750,00 | 1313338 | | 2213339 | | 2413339 | | 2713338 | | 1 | 10 |
| 200 | 75 | 315,00 | 140 | 225,00 | 1500,00 | 750,00 | 1313340 | | 2213341 | | 2413341 | | 2713340 | | 1 | 10 |
| 200 | 90 | 315,00 | 160 | 225,00 | 1500,00 | 750,00 | 1313342 | | 2213343 | | 2413343 | | 2713342 | | 1 | 10 |
| 200 | 110 | 315,00 | 200 | 225,00 | 1500,00 | 750,00 | 1313344 | | 2213345 | | 2413345 | | 2713344 | | 1 | 10 |
| 200 | 125 | 315,00 | 225 | 225,00 | 1500,00 | 750,00 | 1313346 | | 2213347 | | 2413347 | | 2713346 | | 1 | 10 |
| 200 | 160 | 315,00 | 250 | 225,00 | 1500,00 | 750,00 | 1313350 | | 2213351 | | 2413351 | | 2713350 | | 1 | 10 |
| 250 | 32 | 400,00 | 90 | 225,00 | 1500,00 | 750,00 | 1313382 | | 2213383 | | 2413383 | | 2713382 | | 1 | 10 |
| 250 | 40 | 400,00 | 110 | 225,00 | 1500,00 | 750,00 | 1313384 | | 2213385 | | 2413385 | | 2713384 | | 1 | 10 |
| 250 | 50 | 400,00 | 110 | 225,00 | 1500,00 | 750,00 | 1313386 | | 2213387 | | 2413387 | | 2713386 | | 1 | 10 |
| 250 | 63 | 400,00 | 125 | 225,00 | 1500,00 | 750,00 | 1313388 | | 2213389 | | 2413389 | | 2713388 | | 1 | 10 |
| 250 | 75 | 400,00 | 140 | 225,00 | 1500,00 | 750,00 | 1313390 | | 2213391 | | 2413391 | | 2713390 | | 1 | 10 |
| 250 | 90 | 400,00 | 160 | 225,00 | 1500,00 | 750,00 | 1313392 | | 2213393 | | 2413393 | | 2713392 | | 1 | 10 |
| 250 | 110 | 400,00 | 200 | 225,00 | 1500,00 | 750,00 | 1313394 | | 2213395 | | 2413395 | | 2713394 | | 1 | 10 |
| 250 | 125 | 400,00 | 225 | 225,00 | 1500,00 | 750,00 | 1313396 | | 2213397 | | 2413397 | | 2713396 | | 1 | 10 |
| 250 | 160 | 400,00 | 250 | 225,00 | 1500,00 | 750,00 | 1313400 | | 2213401 | | 2413401 | | 2713400 | | 1 | 10 |
| 250 | 200 | 400,00 | 315 | 225,00 | 1500,00 | 750,00 | 1313402 | | 2213403 | | 2413403 | | 2713402 | | 1 | 10 |
| 315 | 32 | 450,00 | 90 | 225,00 | 1500,00 | 750,00 | | | 2213407 | | | | 2713406 | | 1 | 10 |
| 315 | 40 | 450,00 | 110 | 225,00 | 1500,00 | 750,00 | | | 2213409 | | | | 2713408 | | 1 | 10 |
| 315 | 50 | 450,00 | 110 | 225,00 | 1500,00 | 750,00 | | | 2213411 | | | | 2713410 | | 1 | 10 |
| 315 | 63 | 450,00 | 125 | 225,00 | 1500,00 | 750,00 | | | 2213413 | | | | 2713412 | | 1 | 10 |
| 315 | 75 | 450,00 | 140 | 225,00 | 1500,00 | 750,00 | | | 2213415 | | | | 2713414 | | 1 | 10 |
| 315 | 90 | 450,00 | 160 | 225,00 | 1500,00 | 750,00 | | | 2213417 | | | | 2713416 | | 1 | 10 |
| 315 | 110 | 450,00 | 200 | 225,00 | 1500,00 | 750,00 | | | 2213419 | | | | 2713418 | | 1 | 10 |
| 315 | 125 | 450,00 | 225 | 225,00 | 1500,00 | 750,00 | | | 2213421 | | | | 2713420 | | 1 | 10 |
| 315 | 160 | 450,00 | 250 | 225,00 | 1500,00 | 750,00 | | | 2213425 | | | | 2713424 | | 1 | 10 |
| 315 | 200 | 450,00 | 315,00 | 225,00 | 1500,00 | 750,00 | | | 2213429 | | | | 2713428 | | 1 | 10 |
| 315 | 250 | 450,00 | 400,00 | 225,00 | 1500,00 | 750,00 | | | 2213433 | | | | 2713432 | | 1 | 10 |

On request available: aquatherm green pipe ti SDR7,4

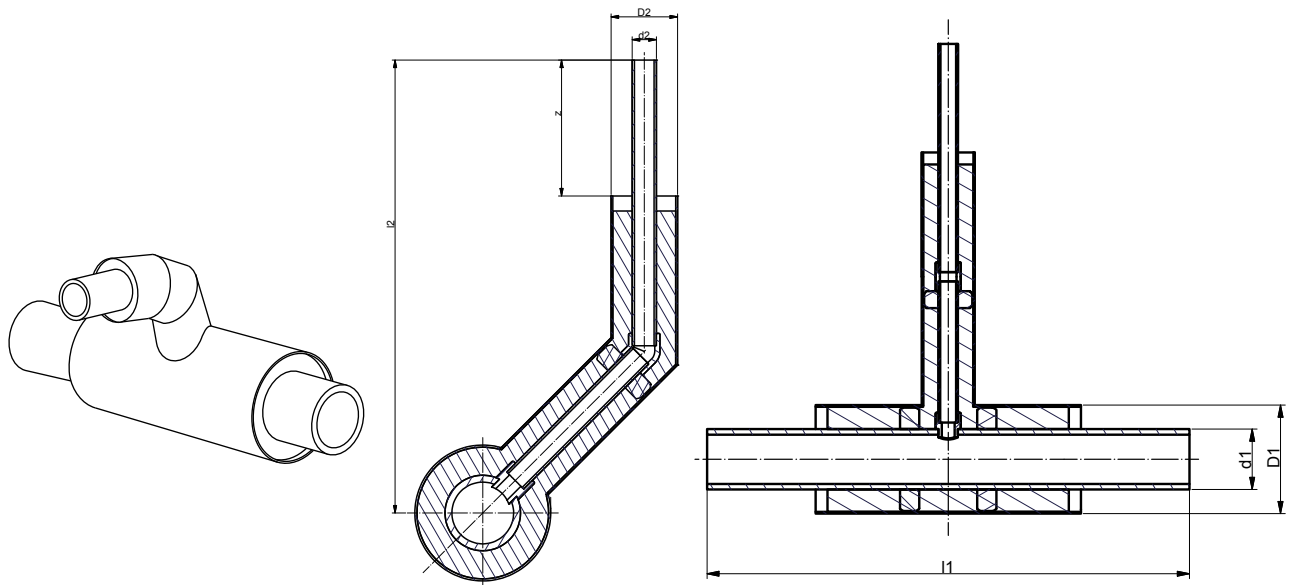


aquatherm ti - RED. CROSS-OVER BRANCH SL 500/750

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

| Outside diameter | | | | System | | | | | | | PU | Box unit | | |
|------------------|----------------|----------------|----------------|--------|---------|---------|-------------------------------|-------------------------------|----------------------------------|---------------------------------|----------|--------------|--|---|
| d1 Medium pipe | d2 Medium pipe | D1 Casing pipe | D2 Casing pipe | z | l1 | l2 | 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 | | | | |
| | | | | | | | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | | |
| 40 | 32 | 110,00 | 90 | 225,00 | 1000,00 | 750,00 | 1318202 | | 2218202 | | 2418202 | | | 1 |
| 50 | 32 | 110,00 | 90 | 225,00 | 1000,00 | 750,00 | 1318206 | | 2218206 | | 2418206 | | | 1 |
| 50 | 40 | 110,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318208 | | 2218208 | | 2418208 | | | 1 |
| 63 | 32 | 125,00 | 90 | 225,00 | 1000,00 | 750,00 | 1318212 | | 2218212 | | 2418212 | | | 1 |
| 63 | 40 | 125,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318214 | | 2218214 | | 2418214 | | | 1 |
| 63 | 50 | 125,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318216 | | 2218216 | | 2418216 | | | 1 |
| 75 | 32 | 140,00 | 90 | 225,00 | 1000,00 | 750,00 | 1318220 | | 2218220 | | 2418220 | | | 1 |
| 75 | 40 | 140,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318222 | | 2218222 | | 2418222 | | | 1 |
| 75 | 50 | 140,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318224 | | 2218224 | | 2418224 | | | 1 |
| 75 | 63 | 140,00 | 125 | 225,00 | 1000,00 | 750,00 | 1318226 | | 2218226 | | 2418226 | | | 1 |
| 90 | 32 | 160,00 | 90 | 225,00 | 1000,00 | 750,00 | 1318230 | | 2218230 | | 2418230 | | | 1 |
| 90 | 40 | 160,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318232 | | 2218232 | | 2418232 | | | 1 |
| 90 | 50 | 160,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318234 | | 2218234 | | 2418234 | | | 1 |
| 90 | 63 | 160,00 | 125 | 225,00 | 1000,00 | 750,00 | 1318236 | | 2218236 | | 2418236 | | | 1 |
| 90 | 75 | 160,00 | 140 | 225,00 | 1000,00 | 750,00 | 1318238 | | 2218238 | | 2418238 | | | 1 |
| 110 | 32 | 200,00 | 90 | 225,00 | 1000,00 | 750,00 | 1318242 | | 2218242 | | 2418242 | | | 1 |
| 110 | 40 | 200,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318244 | | 2218244 | | 2418244 | | | 1 |
| 110 | 50 | 200,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318246 | | 2218246 | | 2418246 | | | 1 |
| 110 | 63 | 200,00 | 125 | 225,00 | 1000,00 | 750,00 | 1318248 | | 2218248 | | 2418248 | | | 1 |
| 110 | 75 | 200,00 | 140 | 225,00 | 1000,00 | 750,00 | 1318250 | | 2218250 | | 2418250 | | | 1 |
| 110 | 90 | 200,00 | 160 | 225,00 | 1000,00 | 750,00 | 1318252 | | 2218252 | | 2418252 | | | 1 |
| 125 | 32 | 225,00 | 90 | 225,00 | 1000,00 | 750,00 | 1318256 | | 2218256 | | 2418256 | | | 1 |
| 125 | 40 | 225,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318258 | | 2218258 | | 2418258 | | | 1 |
| 125 | 50 | 225,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318260 | | 2218260 | | 2418260 | | | 1 |
| 125 | 63 | 225,00 | 125 | 225,00 | 1000,00 | 750,00 | 1318262 | | 2218262 | | 2418262 | | | 1 |
| 125 | 75 | 225,00 | 140 | 225,00 | 1000,00 | 750,00 | 1318264 | | 2218264 | | 2418264 | | | 1 |
| 125 | 90 | 225,00 | 160 | 225,00 | 1000,00 | 750,00 | 1318266 | | 2218266 | | 2418266 | | | 1 |
| 125 | 110 | 225,00 | 200 | 225,00 | 1000,00 | 750,00 | 1318268 | | 2218268 | | 2418268 | | | 1 |
| 160 | 32 | 250,00 | 90 | 225,00 | 1000,00 | 750,00 | 1318290 | | 2218291 | | 2418291 | 2718290 | | 1 |
| 160 | 40 | 250,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318292 | | 2218293 | | 2418293 | 2718292 | | 1 |
| 160 | 50 | 250,00 | 110 | 225,00 | 1000,00 | 750,00 | 1318294 | | 2218295 | | 2418295 | 2718294 | | 1 |
| 160 | 63 | 250,00 | 125 | 225,00 | 1000,00 | 750,00 | 1318296 | | 2218297 | | 2418297 | 2718296 | | 1 |
| 160 | 75 | 250,00 | 140 | 225,00 | 1000,00 | 750,00 | 1318298 | | 2218299 | | 2418299 | 2718298 | | 1 |
| 160 | 90 | 250,00 | 160 | 225,00 | 1000,00 | 750,00 | 1318300 | | 2218301 | | 2418301 | 2718300 | | 1 |
| 160 | 110 | 250,00 | 200 | 225,00 | 1000,00 | 750,00 | 1318302 | | 2218303 | | 2418303 | 2718302 | | 1 |
| 160 | 125 | 250,00 | 225 | 225,00 | 1000,00 | 1000,00 | 1318304 | | 2218305 | | 2418305 | 2718304 | | 1 |

On request available: aquatherm green pipe ti SDR7,4

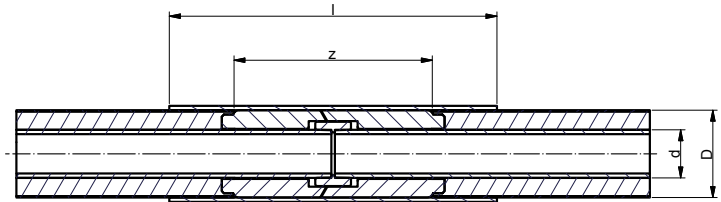


aquatherm ti - RED. CROSS-OVER BRANCH SL 500/750

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

| Outside diameter | | | | | | | System | | | | | | | | PU | Box unit |
|---------------------------|---------------------------|----------------------|----------------------|--------|---------|---------|-------------------------------------|----------------------------------|-------------------------------------|------------------------------------|--------------|-----------------|--------------|-----------------|----|----------|
| d1 Me- dium pipe | d2 Me- dium pipe | D1 Casing pipe | D2 Casing pipe | z | l1 | l2 | 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 | Art.- No. | Price € m/pc | Art.- No. | Price € m/pc | | |
| 200 | 32 | 315,00 | 90 | 225,00 | 1000,00 | 750,00 | 1318332 | | 2218333 | | 2418333 | | 2718332 | | 1 | 10 |
| 200 | 40 | 315,00 | 110 | 225,00 | 1000,00 | 1000,00 | 1318334 | | 2218335 | | 2418335 | | 2718334 | | 1 | 10 |
| 200 | 50 | 315,00 | 110 | 225,00 | 1000,00 | 1000,00 | 1318336 | | 2218337 | | 2418337 | | 2718336 | | 1 | 10 |
| 200 | 63 | 315,00 | 125 | 225,00 | 1000,00 | 1000,00 | 1318338 | | 2218339 | | 2418339 | | 2718338 | | 1 | 10 |
| 200 | 75 | 315,00 | 140 | 225,00 | 1000,00 | 1000,00 | 1318340 | | 2218341 | | 2418341 | | 2718340 | | 1 | 10 |
| 200 | 90 | 315,00 | 160 | 225,00 | 1000,00 | 1000,00 | 1318342 | | 2218343 | | 2418343 | | 2718342 | | 1 | 10 |
| 200 | 110 | 315,00 | 200 | 225,00 | 1000,00 | 1000,00 | 1318344 | | 2218345 | | 2418345 | | 2718344 | | 1 | 10 |
| 200 | 125 | 315,00 | 225 | 225,00 | 1500,00 | 1000,00 | 1318346 | | 2218347 | | 2418347 | | 2718346 | | 1 | 10 |
| 200 | 160 | 315,00 | 250 | 225,00 | 1500,00 | 1000,00 | 1318350 | | 2218351 | | 2418351 | | 2718350 | | 1 | 10 |
| 250 | 32 | 400,00 | 90 | 225,00 | 1000,00 | 1000,00 | 1318382 | | 2218383 | | 2418383 | | 2718382 | | 1 | 10 |
| 250 | 40 | 400,00 | 110 | 225,00 | 1000,00 | 1000,00 | 1318384 | | 2218385 | | 2418385 | | 2718384 | | 1 | 10 |
| 250 | 50 | 400,00 | 110 | 225,00 | 1000,00 | 1000,00 | 1318386 | | 2218387 | | 2418387 | | 2718386 | | 1 | 10 |
| 250 | 63 | 400,00 | 125 | 225,00 | 1000,00 | 1000,00 | 1318388 | | 2218389 | | 2418389 | | 2718388 | | 1 | 10 |
| 250 | 75 | 400,00 | 140 | 225,00 | 1000,00 | 1000,00 | 1318390 | | 2218391 | | 2418391 | | 2718390 | | 1 | 10 |
| 250 | 90 | 400,00 | 160 | 225,00 | 1000,00 | 1000,00 | 1318392 | | 2218393 | | 2418393 | | 2718392 | | 1 | 10 |
| 250 | 110 | 400,00 | 200 | 225,00 | 1000,00 | 1000,00 | 1318394 | | 2218395 | | 2418395 | | 2718394 | | 1 | 10 |
| 250 | 125 | 400,00 | 225 | 225,00 | 1000,00 | 1000,00 | 1318396 | | 2218397 | | 2418397 | | 2718396 | | 1 | 10 |
| 250 | 160 | 400,00 | 250 | 225,00 | 1500,00 | 1000,00 | 1318400 | | 2218401 | | 2418401 | | 2718400 | | 1 | 10 |
| 250 | 200 | 400,00 | 315 | 225,00 | 1500,00 | 1000,00 | 1318402 | | 2218403 | | 2418403 | | 2718402 | | 1 | 10 |
| 315 | 32 | 450,00 | 90 | 225,00 | 1000,00 | 1000,00 | | | 2218407 | | | | 2718406 | | 1 | 10 |
| 315 | 40 | 450,00 | 110 | 225,00 | 1000,00 | 1000,00 | | | 2218409 | | | | 2718408 | | 1 | 10 |
| 315 | 50 | 450,00 | 110 | 225,00 | 1000,00 | 1000,00 | | | 2218411 | | | | 2718410 | | 1 | 10 |
| 315 | 63 | 450,00 | 125 | 225,00 | 1000,00 | 1000,00 | | | 2218413 | | | | 2718412 | | 1 | 10 |
| 315 | 75 | 450,00 | 140 | 225,00 | 1000,00 | 1000,00 | | | 2218415 | | | | 2718414 | | 1 | 10 |
| 315 | 90 | 450,00 | 160 | 225,00 | 1000,00 | 1000,00 | | | 2218417 | | | | 2718416 | | 1 | 10 |
| 315 | 110 | 450,00 | 200 | 225,00 | 1000,00 | 1000,00 | | | 2218419 | | | | 2718418 | | 1 | 10 |
| 315 | 125 | 450,00 | 225 | 225,00 | 1000,00 | 1000,00 | | | 2218421 | | | | 2718420 | | 1 | 10 |
| 315 | 160 | 450,00 | 250 | 225,00 | 1000,00 | 1000,00 | | | 2218425 | | | | 2718424 | | 1 | 10 |
| 315 | 200 | 450,00 | 315 | 225,00 | 1500,00 | 1000,00 | | | 2218429 | | | | 2718428 | | 1 | 10 |
| 315 | 250 | 450,00 | 400 | 225,00 | 1500,00 | 1000,00 | | | 2218433 | | | | 2718432 | | 1 | 10 |

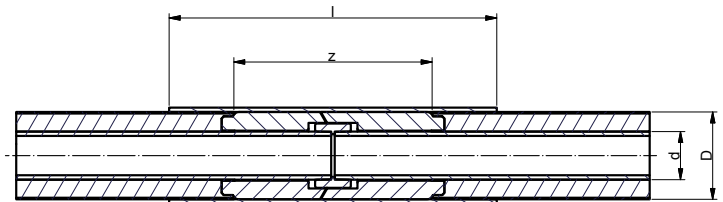
On request available: aquatherm green pipe ti SDR7,4



aquatherm ti - SOCKET CSC-X

consists of shrink sleeve with PUR-rigid foam insulation elements and accessories, 750 mm total lengths

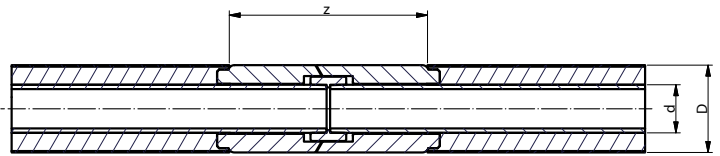
| Outside diameter | | | | System | | PU | Box unit |
|---|------------------|--------|--------|--------------|--|----|----------|
| Medium pipe d | Casing pipe D | z | l | aquatherm ti | | | |
| Art.-No. | Price € m/pc | | | | | | |
| Socket welding: the fitting for the connection of the medium pipes is included in delivery. | | | | | | | |
| 32 | 90,00 | 454,50 | 750,00 | 1211012 | | 1 | |
| 40 | 110,00 | 456,50 | 750,00 | 1211014 | | 1 | |
| 50 | 110,00 | 456,00 | 750,00 | 1211016 | | 1 | |
| 63 | 125,00 | 455,50 | 750,00 | 1211018 | | 1 | |
| 75 | 140,00 | 456,50 | 750,00 | 1211020 | | 1 | 70 |
| 90 | 160,00 | 456,50 | 750,00 | 1211022 | | 1 | |
| 110 | 200,00 | 458,00 | 750,00 | 1211024 | | 1 | |
| 125 | 225,00 | 460,00 | 750,00 | 1211026 | | 1 | |
| Butt welding: no fitting is required for the connection of the medium pipes | | | | | | | |
| 160 | 250,00 | 445,00 | 750,00 | 1211030 | | 1 | |
| 200 | 315,00 | 444,00 | 750,00 | 1211034 | | 1 | |
| 250 | 400,00 | 444,00 | 750,00 | 1211038 | | 1 | |
| 315 | 450,00 | 444,00 | 750,00 | 1211042 | | 1 | |



aquatherm ti - SOCKET PLA

consists of shrink sleeve with PUR-rigid foam insulation elements and accessories, 650 mm total lengths

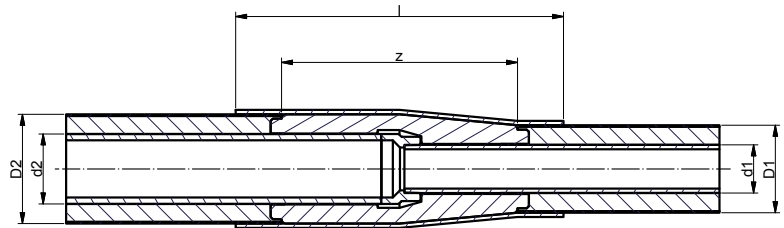
| Outside diameter | | | | System | | PU | Box unit |
|---|------------------|--------|-----|--------------|--|----|----------|
| Medium pipe d | Casing pipe D | z | l | aquatherm ti | | | |
| Art.-No. | Price € m/pc | | | | | | |
| Socket welding: the fitting for the connection of the medium pipes is included in delivery. | | | | | | | |
| 32 | 90,00 | 454,50 | 650 | 2211012 | | 1 | |
| 40 | 110,00 | 456,50 | 650 | 2211014 | | 1 | |
| 50 | 110,00 | 456,00 | 650 | 2211016 | | 1 | |
| 63 | 125,00 | 455,50 | 650 | 2211018 | | 1 | |
| 75 | 140,00 | 456,50 | 650 | 2211020 | | 1 | 70 |
| 90 | 160,00 | 456,50 | 650 | 2211022 | | 1 | |
| 110 | 200,00 | 458,00 | 650 | 2211024 | | 1 | |
| 125 | 225,00 | 460,00 | 650 | 2211026 | | 1 | |
| Butt welding: no fitting is required for the connection of the medium pipes | | | | | | | |
| 160 | 250,00 | 445,00 | 650 | 2211030 | | 1 | |
| 200 | 315,00 | 444,00 | 650 | 2211034 | | 1 | |
| 250 | 400,00 | 444,00 | 650 | 2211038 | | 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: insulating tape and primer (p. 80)

| Outside diameter | | | System | | PU | Box unit |
|---|------------------|--------|----------------|-----------------|----|----------|
| Medium pipe d | Casing pipe D | z | aquatherm ti | | | |
| | | | Art.-No. | Price € m/pc | | |
| Socket welding: the fitting for the connection of the medium pipes is included in delivery. | | | | | | |
| 32 | 90,00 | 454,50 | 2411012 | | 1 | |
| 40 | 110,00 | 456,50 | 2411014 | | 1 | |
| 50 | 110,00 | 456,00 | 2411016 | | 1 | |
| 63 | 125,00 | 455,50 | 2411018 | | 1 | |
| 75 | 140,00 | 456,50 | 2411020 | | 1 | |
| 90 | 160,00 | 456,50 | 2411022 | | 1 | |
| 110 | 200,00 | 458,00 | 2411024 | | 1 | |
| 125 | 225,00 | 460,00 | 2411026 | | 1 | |
| Butt welding: no fitting is required for the connection of the medium pipes | | | | | | |
| 160 | 250,00 | 445,00 | 2411030 | | 1 | |
| 200 | 315,00 | 444,00 | 2411034 | | 1 | |
| 250 | 400,00 | 444,00 | 2411038 | | 1 | |
| 315 | 450,00 | 444,00 | 2411042 | | 1 | |

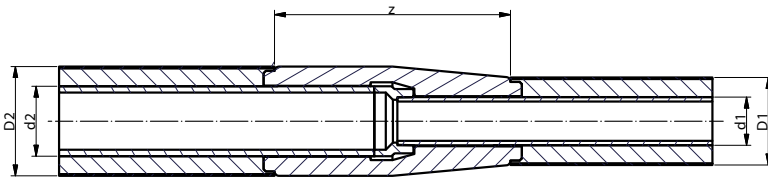


aquatherm ti - REDUCING SOCKET

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

| Outside diameter | | | | | | System | | PU | Box unit |
|---|-------------------|-------------------|-------------------|--------|--------|--|-----------------|----|----------|
| d1 Medium pipe | d2 Medium pipe | D1 Casing pipe | D2 Casing pipe | z | l | aquatherm green pipe ti SDR 9 aquatherm blue pipe ti SDR 11 | | | |
| | | | | | | Art.-No. | Price € m/pc | | |
| Socket welding: up to 125 x 110 mm, than onesided socket- and onesided butt welding | | | | | | | | | |
| 40 | 32 | 90,00 | 110 | 456,00 | 900,00 | 1211222 | | 1 | 10 |
| 50 | 32 | 90,00 | 110 | 456,00 | 900,00 | 1211228 | | 1 | 10 |
| 50 | 40 | 110,00 | 125 | 456,00 | 900,00 | 1211230 | | 1 | 10 |
| 63 | 40 | 110,00 | 125 | 455,50 | 900,00 | 1211236 | | 1 | 10 |
| 63 | 50 | 110,00 | 140 | 455,50 | 900,00 | 1211238 | | 1 | 10 |
| 75 | 50 | 110,00 | 140 | 456,50 | 900,00 | 1211240 | | 1 | 10 |
| 75 | 63 | 125,00 | 160 | 456,50 | 900,00 | 1211242 | | 1 | 10 |
| 90 | 63 | 125,00 | 160 | 456,50 | 900,00 | 1211252 | | 1 | 10 |
| 90 | 75 | 140,00 | 200 | 456,50 | 900,00 | 1211253 | | 1 | 10 |
| 110 | 75 | 140,00 | 200 | 458,00 | 900,00 | 1211257 | | 1 | 10 |
| 110 | 90 | 160,00 | 225 | 458,00 | 900,00 | 1211259 | | 1 | 10 |
| 125 | 90 | 160,00 | 225 | 458,00 | 900,00 | 1211263 | | 1 | 10 |
| 125 | 110 | 200,00 | 250 | 460,00 | 900,00 | 1211265 | | 1 | 10 |

| Outside diameter | | | | | | aquatherm green pipe ti SDR 9 | aquatherm blue pipe ti SDR 11 | aquatherm blue pipe ti SDR 17,6 | PU | Box unit | | | |
|---------------------------|----------------|----------------|----------------|--------|--------|-------------------------------|-------------------------------|---------------------------------|--------------|----------|--------------|---|----|
| d1 Medium pipe | d2 Medium pipe | D1 Casing pipe | D2 Casing pipe | z | l | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | | |
| 160 | 110 | 200,00 | 250 | 540,00 | 750,00 | 1311274 | | 2211275 | | 2711274 | | 1 | 10 |
| 160 | 125 | 225,00 | 315 | 540,00 | 750,00 | 1311276 | | 2211277 | | 2711276 | | 1 | 10 |
| 200 | 125 | 225,00 | 315 | 585,00 | 750,00 | 1311282 | | 2211283 | | 2711282 | | 1 | 10 |
| Double-sided butt welding | | | | | | | | | | | | | |
| 200 | 160 | 250,00 | 400 | 585,00 | 750,00 | 1311284 | | 2211285 | | 2711284 | | 1 | 10 |
| 250 | 160 | 250,00 | 400 | 622,00 | 750,00 | 1311288 | | 2211289 | | 2711288 | | 1 | 10 |
| 250 | 200 | 315,00 | 400 | 622,00 | 750,00 | 1311290 | | 2211291 | | 2711290 | | 1 | 10 |
| 315 | 200 | 315 | 450 | 622,00 | 750,00 | 1311296 | | 2211297 | | 2711296 | | 1 | 10 |
| 315 | 250 | 400 | 450 | 622,00 | 750,00 | 1311298 | | 2211299 | | 2711298 | | 1 | 10 |



aquatherm ti - INSULATION-REDUCING SOCKET-SET

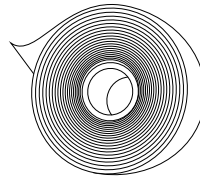
consists of PUR-rigid foam elements and fitting. Required accessories: insulating tape and primer

| Outside diameter | | | | | | System | | | | | | PU | Box unit |
|---|-----|--------|--------|--------|--------|-------------------------------|-------------------------------|---------------------------------|--------------|----------|--------------|----|----------|
| | | | | | | aquatherm ti | | | | | | | |
| d2 | d1 | D1 | D2 | z | l | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | | |
| Socket welding: up to 125 x 110 mm, than onesided socket- and onesided butt welding | | | | | | | | | | | | | |
| 40 | 32 | 90,00 | 110 | 456,00 | 900,00 | 2411222 | | | | | | 1 | |
| 50 | 32 | 90,00 | 110 | 456,00 | 900,00 | 2411228 | | | | | | 1 | |
| 50 | 40 | 110,00 | 125 | 456,00 | 900,00 | 2411230 | | | | | | 1 | |
| 63 | 40 | 110,00 | 125 | 455,50 | 900,00 | 2411236 | | | | | | 1 | |
| 63 | 50 | 110,00 | 140 | 455,50 | 900,00 | 2411238 | | | | | | 1 | |
| 75 | 50 | 110,00 | 140 | 456,50 | 900,00 | 2411240 | | | | | | 1 | |
| 75 | 63 | 125,00 | 160 | 456,50 | 900,00 | 2411242 | | | | | | 1 | |
| 90 | 63 | 125,00 | 160 | 456,50 | 900,00 | 2411252 | | | | | | 1 | |
| 90 | 75 | 140,00 | 200 | 456,50 | 900,00 | 2411253 | | | | | | 1 | |
| 110 | 75 | 140,00 | 200 | 458,00 | 900,00 | 2411257 | | | | | | 1 | |
| 110 | 90 | 160,00 | 225 | 458,00 | 900,00 | 2411259 | | | | | | 1 | |
| 125 | 90 | 160,00 | 225 | 458,00 | 900,00 | 2411263 | | | | | | 1 | |
| 125 | 110 | 200,00 | 250 | 460,00 | 900,00 | 2411265 | | | | | | 1 | |
| Outside diameter | | | | | | aquatherm green pipe ti SDR 9 | aquatherm blue pipe ti SDR 11 | aquatherm blue pipe ti SDR 17,6 | LE | PG | | | |
| d2 | d1 | D1 | D2 | z | l | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | Art.-No. | Price € m/pc | | |
| 160 | 110 | 200,00 | 250 | 540,00 | 750,00 | 2411274 | | 2411275 | | 2711275 | | 1 | |
| 160 | 125 | 225,00 | 315 | 540,00 | 750,00 | 2411276 | | 2411277 | | 2711277 | | 1 | |
| 200 | 125 | 225,00 | 315 | 585,00 | 750,00 | 2411282 | | 2411283 | | 2711283 | | 1 | |
| Double-sided butt welding | | | | | | | | | | | | | |
| 200 | 160 | 250,00 | 400 | 585,00 | 750,00 | 2411284 | | 2411285 | | 2711285 | | 1 | |
| 250 | 160 | 250,00 | 400 | 622,00 | 750,00 | 2411288 | | 2411289 | | 2711289 | | 1 | |
| 250 | 200 | 315,00 | 400 | 622,00 | 750,00 | 2411290 | | 2411291 | | 2711291 | | 1 | |
| 315 | 200 | 315 | 450,00 | 622,00 | 750,00 | 2411296 | | 2411297 | | 2711297 | | 1 | |
| 315 | 250 | 400 | 450,00 | 622,00 | 750,00 | 2411298 | | 2411299 | | 2711299 | | 1 | |

aquatherm ti - MONO TOP 40 INSULATION TAPE

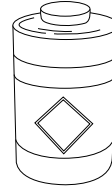
for post-insulation of connections with the aquatherm-insulation-socket set

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



aquatherm ti - PRIMER

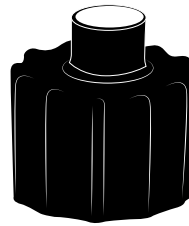
| Art.-No. | Amount | Price € m/pc | PU | Box unit |
|----------|---------|-----------------|----|----------|
| 2411002 | 1 liter | | 1 | |



aquatherm ti - CLOSING COLLAR

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

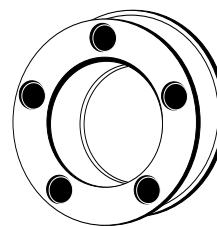
| Outside diameter | | System | | PU | Box unit |
|------------------|-------------|--------------|-----------------|----|----------|
| Medium pipe | Casing pipe | aquatherm ti | | | |
| | | Art.-No. | Price € m/pc | | |
| 32 mm | 90 mm | 1214112 | | 1 | |
| 40-50 mm | 110 mm | 1214114 | | 1 | |
| 63-75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



aquatherm ti - COMPACT SEALS

Pipe collar for wall duct.

| Outside diameter | | | System | | PU | Box unit |
|------------------|-------------|-------------|--------------|-----------------|----|----------|
| Core drill hole | Medium pipe | Casing pipe | aquatherm ti | | | |
| | | | Art.-No. | Price € m/pc | | |
| 150 | 32 | 90 | 1214212 | | 1 | |
| 200 | 40-50 | 110 | 1214214 | | 1 | |
| 200 | 63 | 125 | 1214218 | | 1 | |
| 200 | 75 | 140 | 1214220 | | 1 | |
| 200 | 90 | 160 | 1214222 | | 1 | |
| 250 | 110 | 200 | 1214224 | | 1 | |
| 300 | 125 | 225 | 1214226 | | 1 | |
| 350 | 160 | 250 | 1214230 | | 1 | |
| 350 | 200 | 315 | 1214234 | | 1 | |

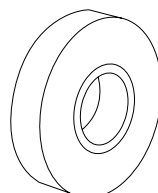


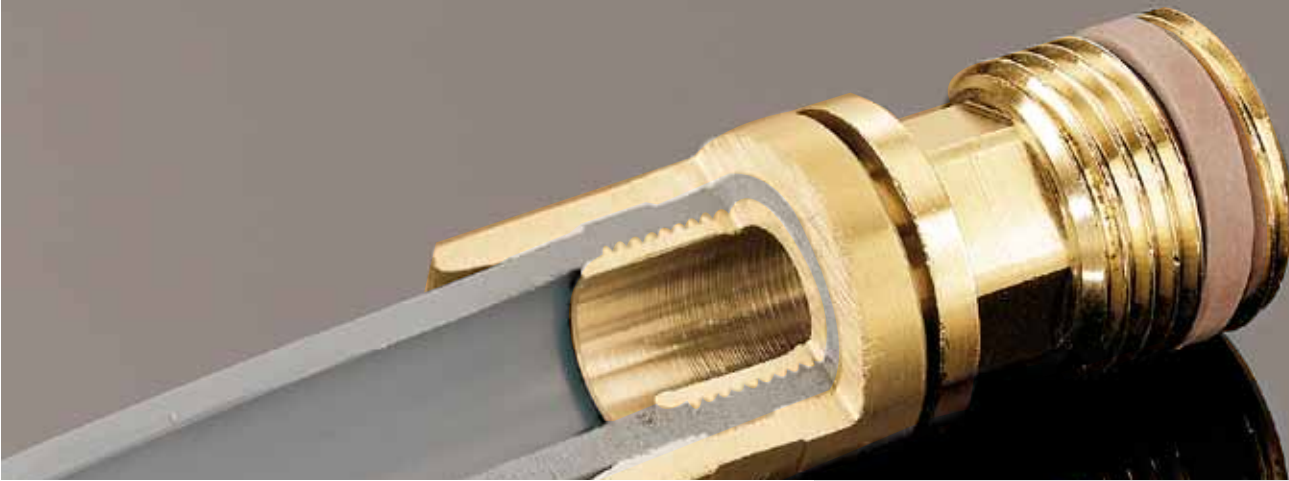
aquatherm ti - WARNING TAPE

| Art.-No. | Width | Price € m/pc | PU | Box unit |
|----------|-------|-----------------|------|----------|
| 50191 | 40 mm | | 250m | 10 |

Colour: yellow

Printing in black: "Attention district heating pipeline"





aquatherm grey pipe

POTABLE WATER AND HEATING INSTALLATIONS

The aquatherm grey pipe-system is suitable for systems in the field of potable water, heating and underfloor heating connection.

The material PB (polybutene) - due to its high heat stability and the excellent hygienic qualities - is suitable for the application in the field of potable water.

The profile of PE-RT (polyethylene raised temperature resistance) qualifies this material for the connection of radiators and underfloor heating systems. Applying both materials for small dimensioned connection supplies, they are ideal through high flexibility.

The aquatherm grey pipe is connected by sliding sleeve technique. This type of connection technique is easy and neat in appearance.

If in the field of radiator connection as well as for potable water installations - without costs for large tools and without great difficulty of assembly - permanent connections of small dimensions with brass- and plastic fittings are made.

aquatherm grey pipe

The aquatherm grey pipe system offers three types of connection pipes:

- **aquatherm grey pipe**-PB connection pipe (grey) in coils, Ø 16-25 mm, made from the highly flexible material polybutene (PB).
- **aquatherm grey pipe**-multi layer metal composite pipe (white) Ø 16-40 mm in straight lengths (16 + 20 mm also available in coils) made from the material PE-X
- **aquatherm orange system** PE-RT underfloor heating and radiator connection pipe (orange) in coils 16-20 mm, oxygen-tight acc. to DIN4726

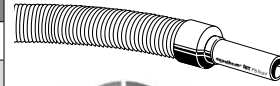
The **aquatherm grey pipe** system can be combined easily with the **aquatherm green pipe** system.



aquatherm grey pipe - POTABLE WATER AND RADIATOR CONNECTION PIPE
in corrugated pipe, with oxygen barrier

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-------------|-----|--------------|
| 77000 | 16 x 2,0 mm | 100 | |
| 77002 | 20 x 2,0 mm | 50 | |

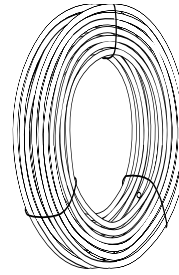
Material: PB Application field: Potable water/heating
 Colour: grey Operating temperature: 70°C
 Form supplied: ring DVGW-Registr.-No.: DW-8501 AU2075 (incl. fittings)
 Material corrugated pipe: PE according to: DIN 4726/4727/16968
 Colour corrugated pipe: green with oxygen barrier by EVOH-coating



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

| Art.-No. | Dimension | PU | Price € m/pc |
|---------------------|-------------|-----|--------------|
| 77020 | 16 x 2,0 mm | 100 | |
| 77022 | 20 x 2,0 mm | 100 | |
| 77024 | 25 x 2,3 mm | 50 | |
| ... in length á 4 m | | | |
| 77040 | 16 x 2,0 mm | 100 | |

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

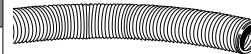


aquatherm grey pipe - MULTI LAYER METAL COMPOSITE PIPE on page 101

aquatherm grey pipe - CORRUGATED PIPE

| Art.-No. | for pipe dimensions | PU | Price € m/pc |
|--------------|---------------------|-----|--------------|
| 77010 | 16 mm | 100 | |
| 77012 | 20 mm | 50 | |

Material: PE
 Colour: green
 Form supplied: ring

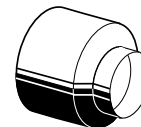


aquatherm grey pipe

aquatherm grey pipe - END SLEEVE FOR CORRUGATED PIPE

| Art.-No. | for pipe dimensions | PU | Price € m/pc |
|--------------|-----------------------------------|----|--------------|
| 77080 | corrugated pipe 16 mm - Art.77010 | 50 | |
| 77082 | corrugated pipe 20 mm - Art.77012 | 50 | |
| 77090 | corrugated pipe 16 mm - Art.77010 | 50 | |
| 77092 | corrugated pipe 20 mm - Art.77012 | 50 | |

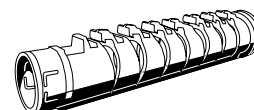
Material: PE
 Colour: 77080-77082: red / 77090-77092: blue

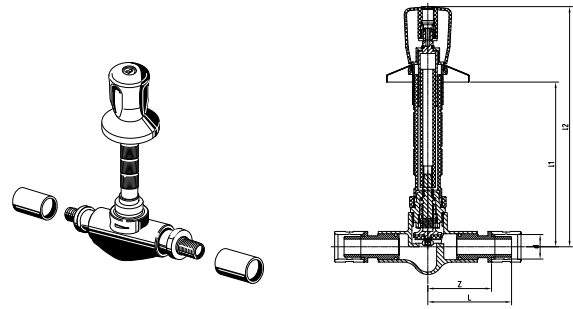


aquatherm grey pipe - SNAP IN RADIUS SUPPORT

| Art.-No. | for pipe dimensions | PU | Price € m/pc |
|--------------|---------------------|----|--------------|
| 79566 | 16 & 17 mm | 25 | |
| 79568 | 20 mm | 20 | |

Material: PE
 Colour: black

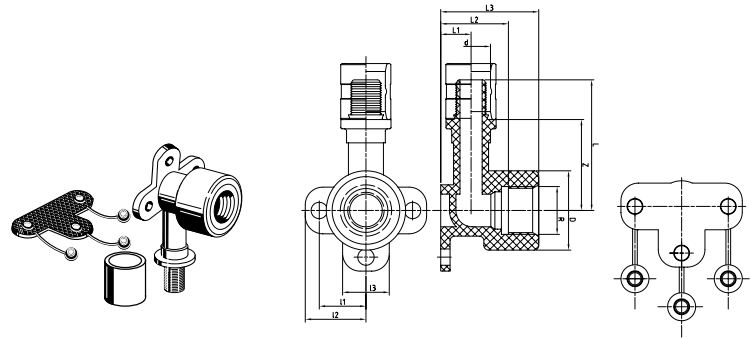




aquatherm grey pipe - CONCEALED STOP VALVE
including sliding sleeve

| Art.-No. | d | Z | L | I1 | I2 | PU | Price € m/pc |
|----------|----|-------|-------|--------|--------|----|--------------|
| 79858 | 20 | 54,00 | 71,00 | 139,50 | 203,50 | 1 | |

suitable for construction depth from 55 mm - 100 mm



aquatherm grey pipe - BACK PLATE ELBOW

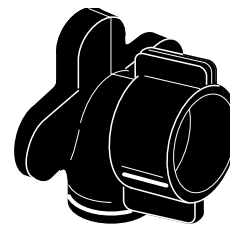
| Art.-No. | d | R | D | Z | L | L1 | L2 | L3 | I1 | I2 | I3 | PU | Price € m/pc |
|----------|----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|--------------|
| 79000 | 16 | G1/2 | 34,00 | 39,00 | 56,00 | 13,00 | 29,00 | 42,00 | 20,00 | 26,00 | 20,00 | 1 | |
| 79002 | 20 | G3/4 | 40,00 | 42,00 | 59,00 | 13,00 | 29,00 | 42,00 | 25,00 | 31,00 | 20,00 | 1 | |
| 79004 | 20 | G1/2 | 34,00 | 39,00 | 56,00 | 13,00 | 29,00 | 42,00 | 20,00 | 26,00 | 20,00 | 1 | |
| 79006 | 25 | G3/4 | 33,00 | 36,00 | 54,00 | 27,00 | 29,00 | 48,00 | 20,00 | 26,00 | 20,00 | 1 | |

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

aquatherm grey pipe - SOUND INSULATION COVER
for Art.-No. 79000-79006

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------------|----|--------------|
| 79008 | Thickness = 5mm | 2 | |

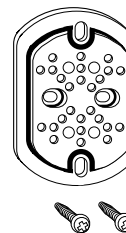
Material: PE



aquatherm grey pipe - SOUND INSULATION PLATE
for aquatherm green pipe and aquatherm grey pipe-back plate elbow

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 79080 | | 2 | |

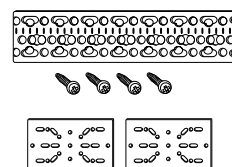
suitable with the mounting rail Art.-No. 79090
See Z-measures, page 41.



MOUNTING RAIL

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|------------|----|--------------|
| 79090 | L = 560 mm | 1 | |

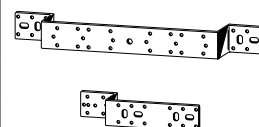
galvanized, for assembly of back plate elbow, including 2 fixing plates and 4 screws
See Z-measures, page 41.



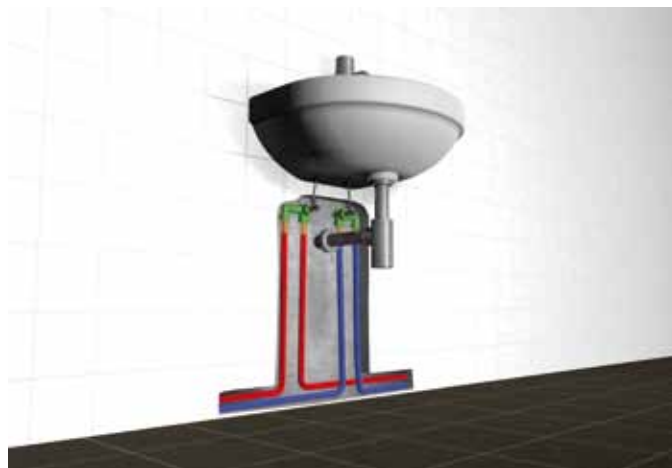
MOUNTING RAIL (TWIN AND SINGLE)

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 79095 | twin | 2 | |
| 79096 | single | 2 | |

galvanized, for fixing of back plate
See Z-measures, page 42.

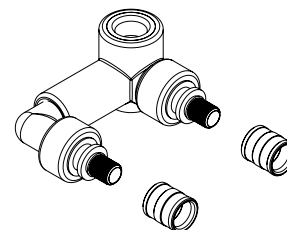


NEW PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



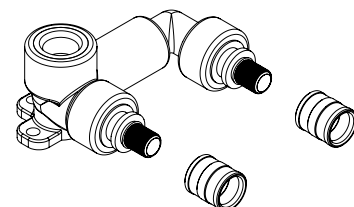
NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW LEFT

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|--------------|---------------------|----|----------|--------------|
| 79014 | 16mm x 1/2" IG left | 1 | | |
| 79018 | 20mm x 1/2" IG left | 1 | | |



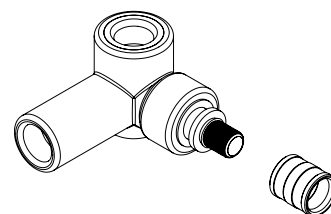
NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW RIGHT

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|--------------|----------------------|----|----------|--------------|
| 79012 | 16mm x 1/2" IG right | 1 | 4 | |
| 79016 | 20mm x 1/2" IG right | 1 | 4 | |



NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW LEFT

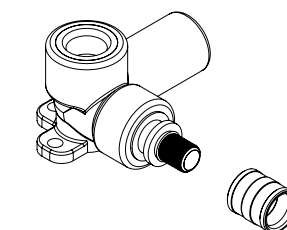
| Art.-No. | Dimension | PU | Box unit | Price € m/pc | Preis € m/St |
|--------------|---|------|----------|--------------|--------------|
| 78362 | aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm | 1/2" | 1 | 4 | |
| 78366 | aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm | 1/2" | 1 | 4 | |



For the production of the aquatherm grey pipe flow-through back plate elbow left Art.-No. 79014 or 79018 the aquatherm grey pipe opposite elbows male/female 78330 (16mm) or 78332 (20mm) have to be used.

NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW RIGHT

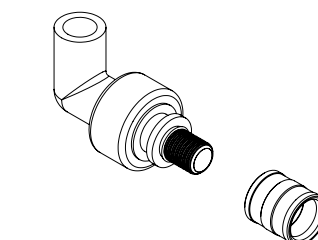
| Art.-No. | Dimension | PU | Box unit | Price € m/pc | Preis € m/St |
|--------------|---|------|----------|--------------|--------------|
| 78360 | aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm | 1/2" | 1 | 4 | |
| 78364 | aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm | 1/2" | 1 | 4 | |

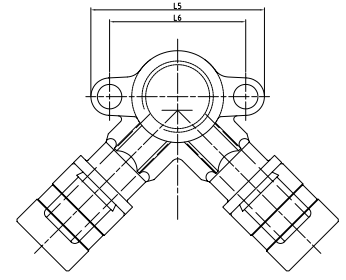
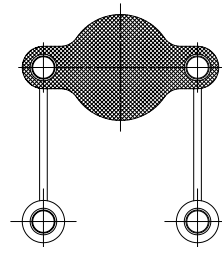
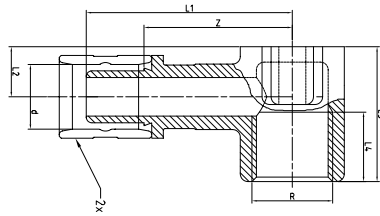
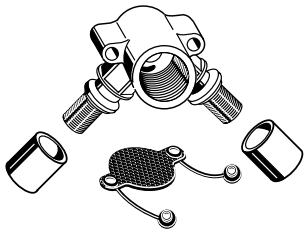


For the production of the aquatherm grey pipe flow-through back plate elbow left Art.-No. 79012 or 79016 the aquatherm grey pipe opposite elbows male/female 78330 (16mm) or 78332 (20mm) have to be used.

NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE OPPOSITE ELBOW

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|--------------|---|----|----------|--------------|
| 78330 | aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm | 1 | 4 | |
| 78332 | aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm | 1 | 4 | |



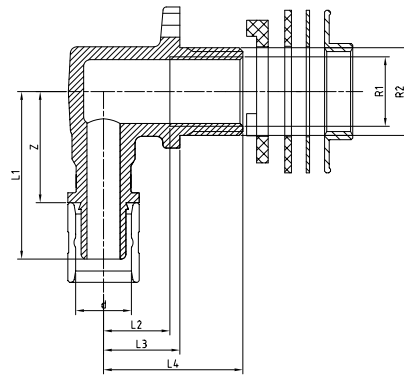
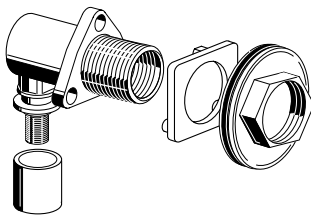


aquatherm grey pipe - BACK PLATE ELBOW, TWIN

including sliding sleeves

| Art.-No. | d | Z | L1 | L2 | L3 | R | L4 | L5 | PU | Price € m/pc |
|----------|----|-------|-------|-------|-------|------|-------|-------|----|-----------------|
| 79010 | 16 | 38,50 | 53,50 | 13,00 | 35,00 | G1/2 | 18,00 | 51,00 | 4 | |

Material: brass
including acoustic panel (PP)

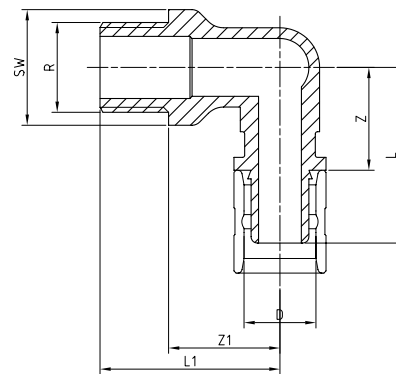
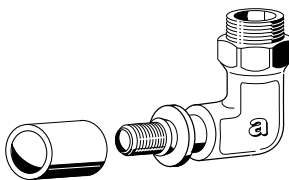


aquatherm grey pipe - CONNECTING ELBOW FOR CONCEALED CISTERN

including sliding sleeve

| Art.-No. | d | Z | L1 | L2 | L3 | R | L4 | L5 | PU | Price € m/pc |
|----------|----|-------|-------|-------|-------|------|-------|-------|----|-----------------|
| 79020 | 16 | 33,50 | 50,50 | 20,00 | 23,00 | G1/2 | 42,00 | 51,00 | 1 | |

Material: brass
including counternut, gasket and spring washer

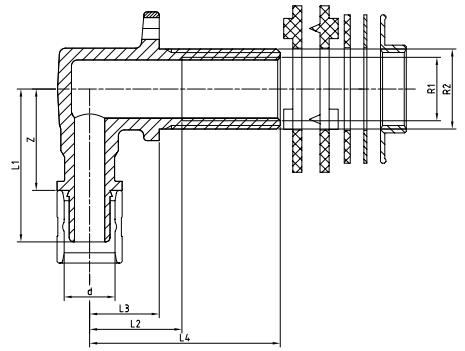
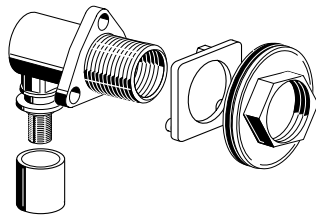


aquatherm grey pipe - TRANSITION ELBOW

including sliding sleeve

| Art.-No. | d | R | Z | Z1 | L | L1 | SW | PU | Price € m/pc |
|----------|----|------|-------|-------|-------|-------|-------|----|-----------------|
| 79030 | 16 | G1/2 | 24,00 | 26,00 | 41,00 | 42,00 | 24,00 | 2 | |
| 79032 | 20 | G1/2 | 24,00 | 26,00 | 41,00 | 42,00 | 24,00 | 2 | |
| 79033 | 20 | G3/4 | 25,50 | 21,00 | 42,50 | 38,00 | - | 2 | |
| 79034 | 25 | G3/4 | 26,00 | 21,00 | 44,00 | 38,00 | - | 2 | |

Material: brass

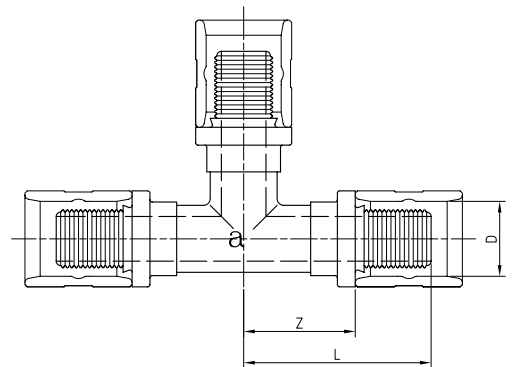
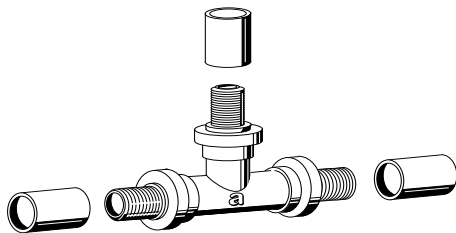


aquatherm grey pipe - CONNECTING ELBOW

for dry construction, including sliding sleeve

| Art.-No. | d | R1 | Z | L1 | R2 | L2 | L3 | L4 | PU | Price € m/pc |
|--------------|-----------|-------------|-------|-------|------|-------|-------|-------|----|--------------|
| 79040 | 16 | G1/2 | 33,50 | 50,50 | G3/4 | 30,50 | 23,00 | 63,00 | 2 | |

Material: brass
including counternut, gasket and 2 spring washers

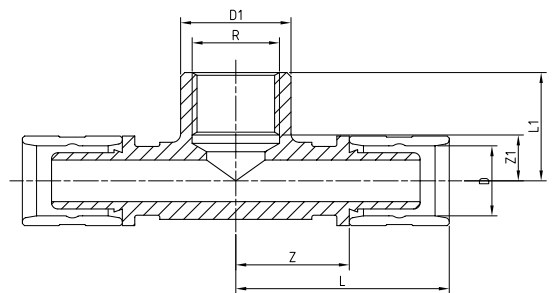
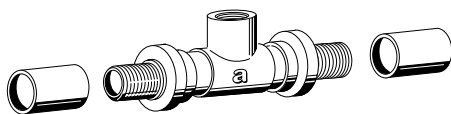


aquatherm grey pipe - TEE

including sliding sleeves

| Art.-No. | d | Z | L | PU | Price € m/pc |
|--------------|-----------|-------|-------|----|--------------|
| 79100 | 16 | 25,00 | 42,00 | 2 | |
| 79102 | 20 | 24,00 | 41,00 | 2 | |
| 79104 | 25 | 27,00 | 45,00 | 2 | |

Material: PPSU/brass

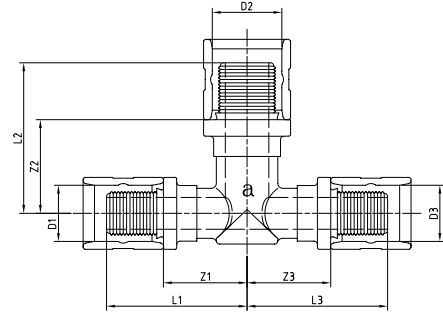
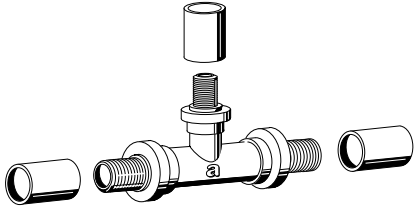


aquatherm grey pipe - TEE WITH FEMALE THREAD

including sliding sleeve

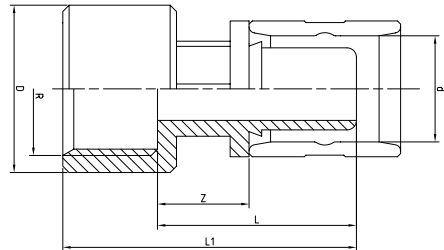
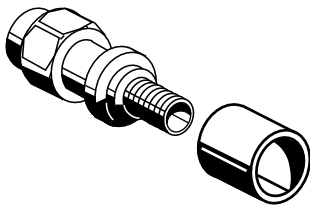
| Art.-No. | d | R | Z | L | D1 | L1 | Z1 | PU | Price € m/pc |
|--------------|-----------|-------------|-------|-------|-------|-------|-------|----|--------------|
| 79160 | 16 | G1/2 | 27,25 | 44,25 | 26,50 | 26,00 | 11,00 | 2 | |
| 79162 | 20 | G1/2 | 26,25 | 43,25 | 26,25 | 26,00 | 11,00 | 2 | |
| 79163 | 25 | G1/2 | 30,00 | 54,00 | 32,00 | 28,00 | 9,00 | 2 | |
| 79164 | 25 | G3/4 | 31,00 | 48,00 | 32,00 | 28,00 | 11,00 | 2 | |

Material: brass



aquatherm grey pipe - REDUCING TEE
including sliding sleeves

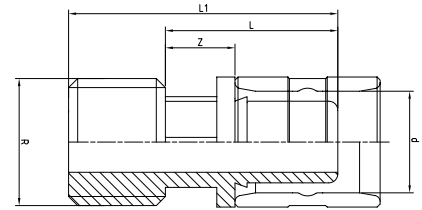
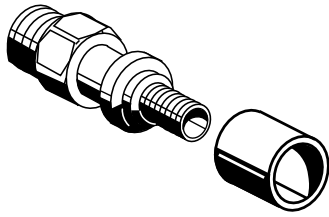
| Art.-No. | d1 | d2 | d3 | Z1 | L1 | Z2 | L2 | Z3 | L3 | PU | Price € m/pc |
|----------|----|----|----|-------|-------|-------|-------|-------|-------|----|--------------|
| 79110 | 16 | 20 | 16 | 25,00 | 42,00 | 28,00 | 45,00 | 25,00 | 42,00 | 2 | |
| 79112 | 20 | 16 | 16 | 25,00 | 42,00 | 25,00 | 42,00 | 25,00 | 42,00 | 2 | |
| 79114 | 20 | 16 | 20 | 25,00 | 42,00 | 25,00 | 42,00 | 25,00 | 42,00 | 2 | |
| 79116 | 20 | 20 | 16 | 25,00 | 42,00 | 25,00 | 42,00 | 25,00 | 42,00 | 2 | |
| 79118 | 25 | 20 | 25 | 27,00 | 45,00 | 28,00 | 45,00 | 27,00 | 45,00 | 2 | |
| 79120 | 25 | 20 | 20 | 27,00 | 45,00 | 28,00 | 45,00 | 28,00 | 45,00 | 2 | |
| 79122 | 25 | 20 | 16 | 27,00 | 45,00 | 28,00 | 45,00 | 28,00 | 45,00 | 2 | |
| 79123 | 25 | 16 | 25 | 27,00 | 45,00 | 28,00 | 45,00 | 27,00 | 45,00 | 2 | |
| 79124 | 25 | 16 | 20 | 27,00 | 45,00 | 28,00 | 45,00 | 28,00 | 45,00 | 2 | |
| 79126 | 20 | 25 | 20 | 28,00 | 45,00 | 27,00 | 45,00 | 28,00 | 45,00 | 2 | |



aquatherm grey pipe - TRANSITION PIECE
with female thread, including sliding sleeve

| Art.-No. | d | R | Z | L | L1 | D | PU | Price € m/pc |
|----------|----|------|-------|-------|-------|-------|----|--------------|
| 79182 | 16 | G1/2 | 14,50 | 31,50 | 46,50 | 26,50 | 2 | |
| 79184 | 20 | G1/2 | 14,50 | 31,50 | 46,50 | 26,50 | 2 | |
| 79186 | 20 | G3/4 | 14,50 | 31,50 | 48,50 | 32,50 | 2 | |
| 79188 | 25 | G3/4 | 16,50 | 34,50 | 51,50 | 32,50 | 2 | |

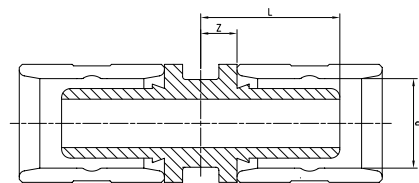
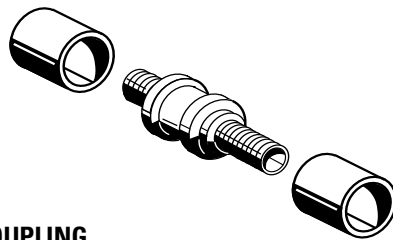
Material: brass



aquatherm grey pipe - TRANSITION PIECE
with male thread, including sliding sleeve

| Art.-No. | d | R | Z | L | L1 | PU | Price € m/pc |
|----------|----|------|-------|-------|-------|----|-----------------|
| 79200 | 16 | G1/2 | 11,50 | 28,50 | 44,50 | 2 | |
| 79202 | 20 | G1/2 | 11,50 | 28,50 | 44,50 | 2 | |
| 79203 | 20 | G3/4 | 12,50 | 29,50 | 45,50 | 2 | |
| 79204 | 25 | G3/4 | 14,50 | 31,50 | 47,50 | 2 | |
| 79205 | 25 | G1/2 | 11,50 | 29,50 | 45,50 | 2 | |

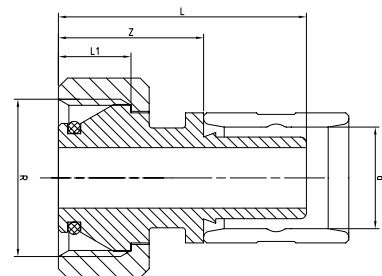
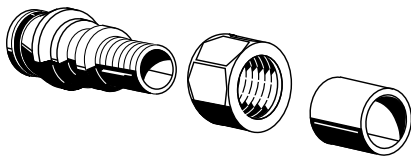
Material: brass



aquatherm grey pipe - COUPLING
including sliding sleeves

| Art.-No. | d | Z | L | PU | Price € m/pc |
|----------|----|------|-------|----|-----------------|
| 79210 | 16 | 6,00 | 23,00 | 2 | |
| 79212 | 20 | 6,00 | 23,00 | 2 | |
| 79214 | 25 | 7,25 | 25,25 | 2 | |

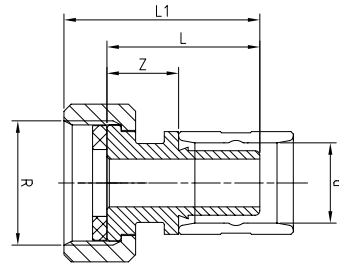
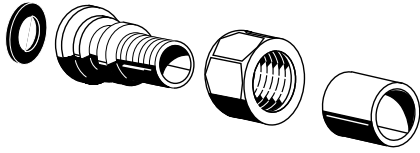
Material: brass



aquatherm grey pipe - EUROCONUS ADAPTER
including sliding sleeve

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

Material: brass
for customary manifolds/joints

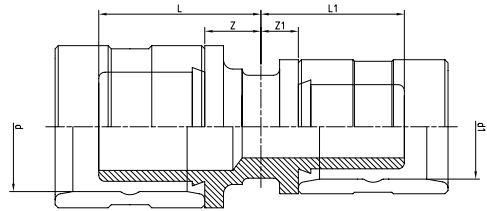
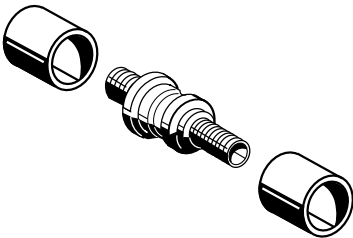


aquatherm grey pipe - TRANSITION SCREW JOINT

including sliding sleeve and gasket

| Art.-No. | d | R | Z | L | L1 | PU | Price € m/pc |
|----------|----|------|-------|-------|-------|----|-----------------|
| 79230 | 16 | G3/4 | 15,00 | 32,00 | 41,00 | 2 | |
| 79232 | 20 | G1 | 15,50 | 32,50 | 45,00 | 2 | |
| 79240 | 20 | G3/4 | 22,00 | 39,00 | 48,00 | 2 | |
| 79242 | 25 | G1 | 28,00 | 46,00 | 57,50 | 1 | |

Material: brass

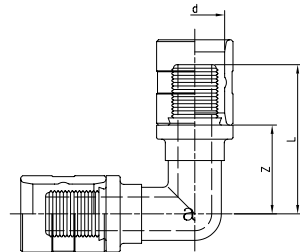
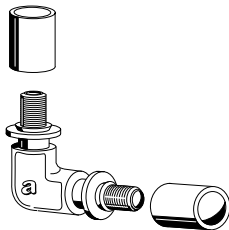


aquatherm grey pipe - REDUCING COUPLING

including sliding sleeve

| Art.-No. | d | d1 | Z | L | Z1 | L1 | PU | Price € m/pc |
|----------|----|----|-------|-------|------|-------|----|-----------------|
| 79250 | 20 | 16 | 9,00 | 26,00 | 6,00 | 23,00 | 2 | |
| 79252 | 25 | 20 | 10,00 | 28,00 | 6,00 | 23,00 | 2 | |
| 79254 | 25 | 16 | 10,00 | 28,00 | 6,00 | 23,00 | 2 | |

Material: brass

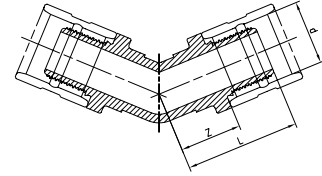
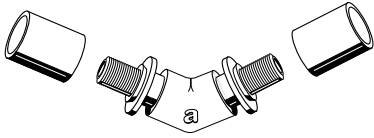


aquatherm grey pipe - ELBOW 90°

including sliding sleeve

| Art.-No. | d | Z | L | PU | Price € m/pc |
|----------|----|-------|-------|----|-----------------|
| 79300 | 16 | 25,00 | 42,00 | 2 | |
| 79302 | 20 | 25,00 | 42,00 | 2 | |
| 79304 | 25 | 27,00 | 45,00 | 2 | |

Material: PPSU/brass



aquatherm grey pipe - ELBOW 45°
including sliding sleeve

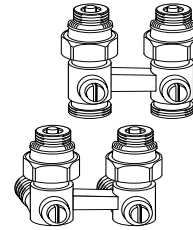
| Art.-No. | d | Z | L | PU | Price € m/pc |
|--------------|-----------|-------|-------|----|--------------|
| 79322 | 20 | 20,00 | 37,00 | 2 | |
| 79324 | 25 | 22,00 | 40,00 | 2 | |

Material: PPSU/brass

aquatherm grey pipe - RADIATOR VALVE

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|----------------------------|----|--------------|
| 79606 | Passage 3/4" euroconus | 1 | |
| 79608 | Corner form 3/4" euroconus | 1 | |

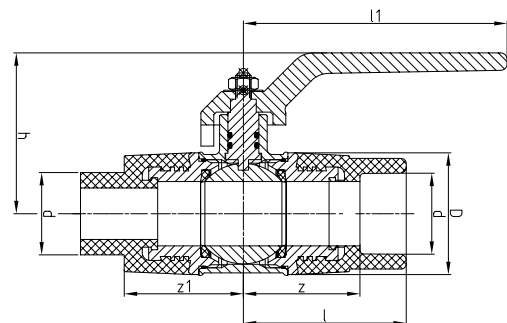
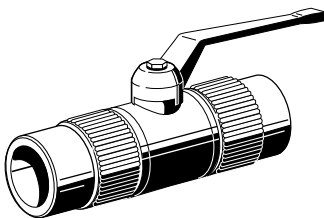
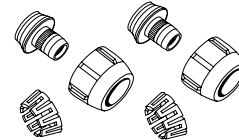
Material: brass



aquatherm grey pipe - COMPRESSION FITTING

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-------------|----|--------------|
| 79610 | for ø 16 mm | 2 | |

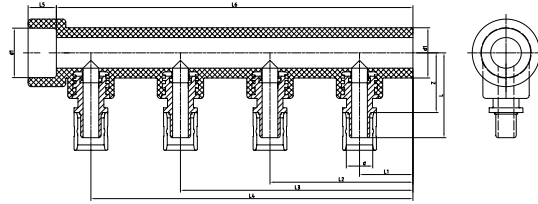
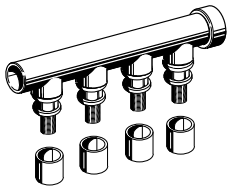
Material: brass



aquatherm grey pipe - BALL VALVE FOR MANIFOLD
female/male

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|--------------|
| 78000 | 32 mm f/m | 2 | |

Material: PP-R/brass

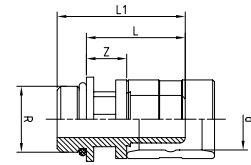
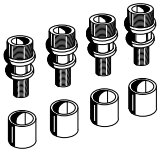


aquatherm grey pipe - FOUR-PORT MANIFOLD

4 branches with sliding sleeve connection including sliding sleeves

| Art.-No. | d | d1 | Z | L | L1 | L2 | L3 | L4 | L5 | L6 | PU | Price € m/pc |
|--------------|-----------|-----------|-------|-------|-------|-------|--------|--------|-------|--------|----|-----------------|
| 78003 | 16 | 32 | 38,00 | 54,00 | 34,00 | 91,00 | 148,00 | 205,00 | 18,00 | 227,00 | 2 | |

Material: PP-R/brass
Colour: green

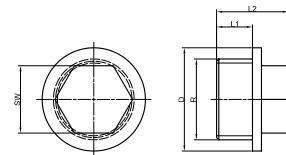
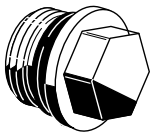


aquatherm grey pipe - SLIDING SLEEVE CONNECTIONS

for manifold branches including sliding sleeves

| Art.-No. | Dimension | d | R | Z | L | L1 | PU | Price € m/pc |
|--------------|---|-----------|----------------|-------|-------|-------|----|-----------------|
| 78010 | Screwed insert m 18 x 1,5 mm with sliding sleeve connection 16 x 2,0 mm | 16 | M18x1,5 | 11,50 | 28,50 | 36,00 | 4 | |
| 78012 | Screwed insert m 18 x 1,5 mm with sliding sleeve connection 20 x 2,0 mm | 20 | M18x1,5 | 11,50 | 28,50 | 36,00 | 4 | |

Material: brass

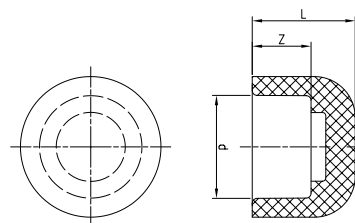


aquatherm grey pipe - BLIND PLUG

for manifold branches

| Art.-No. | R | D | L1 | L2 | PU | Price € m/pc |
|--------------|----------------|-------|------|-------|----|-----------------|
| 78020 | M18x1,5 | 23,00 | 8,00 | 16,00 | 1 | |

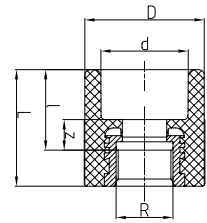
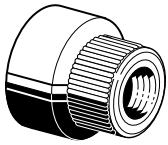
Material: brass



aquatherm grey pipe - END CAP

| Art.-No. | d | Z | L | PU | Price € m/pc |
|--------------|-----------|-------|-------|----|-----------------|
| 14112 | 32 | 18,00 | 31,50 | 5 | |

Material: PP-R
Colour: green



aquatherm grey pipe - MANIFOLD END PIECE WITH FEMALE THREAD*

| Art.-No. | d | R | Z | L | I | D | PU | Price € m/pc |
|--------------|-----------|-------------|-------|-------|-------|-------|----|--------------|
| 30804 | 32 | 1/2" | 12,00 | 43,00 | 30,00 | 43,00 | 2 | |

Material: PP-R/brass

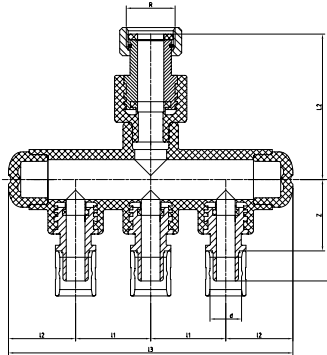
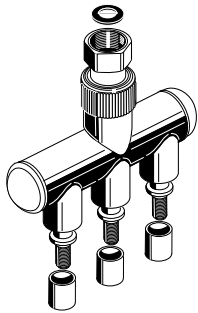
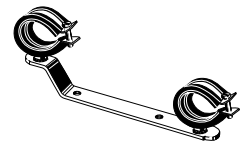
Colour: green

* aquatherm grey pipe- transition piece as manifold endpiece with female thread

SUPPORTING STRAP FOR FOUR-PORT MANIFOLD

with clamps, galvanized, double

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|--------------|--------------------|----|----------|--------------|
| 60210 | for Ø 32 mm | 2 | 1 | |



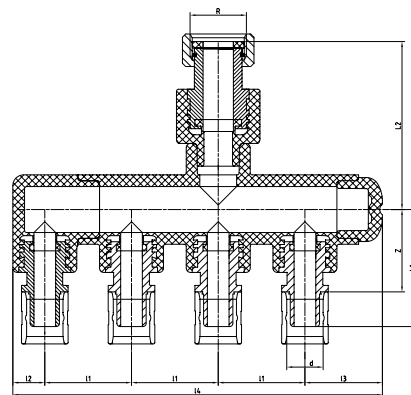
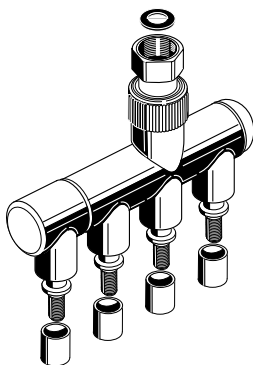
aquatherm grey pipe - UNIVERSAL MANIFOLD TRIPLE

with water meter connecting union including sliding sleeves

| Art.-No. | d | R | Z | L1 | L2 | I1 | I2 | PU | Price € m/pc |
|--------------|-----------|-------------|-------|-------|-------|-------|--------|----|--------------|
| 78050 | 16 | G3/4 | 38,00 | 54,00 | 77,50 | 40,00 | 151,50 | 1 | |
| 78051 | 16 | G1 | 38,00 | 55,00 | 73,50 | 40,00 | 169,22 | 1 | |

Material: PP-R/brass

Colour: green



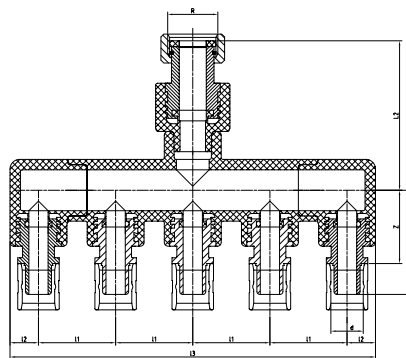
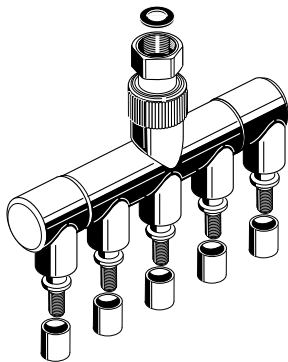
aquatherm grey pipe - UNIVERSAL MANIFOLD FOURFOLD

with water meter connecting union including sliding sleeves

| Art.-No. | d | R | Z | L1 | L2 | I1 | I2 | PU | Price € m/pc |
|--------------|-----------|-------------|-------|-------|-------|-------|--------|----|--------------|
| 78052 | 16 | G3/4 | 38,00 | 54,00 | 77,50 | 40,00 | 170,50 | 1 | |
| 78053 | 16 | G1 | 38,00 | 55,00 | 73,50 | 40,00 | 180,50 | 1 | |

Material: PP-R/brass

Colour: green

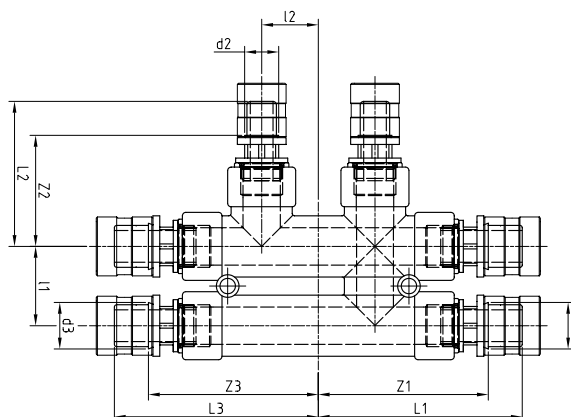
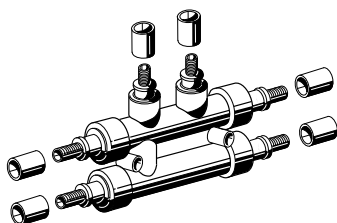


aquatherm grey pipe - UNIVERSAL MANIFOLD FIVEFOLD

with water meter connecting union including sliding sleeves

| Art.-No. | d | R | Z | L1 | L2 | I1 | I2 | PU | Price € m/pc |
|----------|----|------|-------|-------|-------|-------|--------|----|-----------------|
| 78054 | 16 | G3/4 | 38,00 | 54,00 | 77,50 | 40,00 | 189,50 | 1 | |

Material: PP-R/brass
Colour: green



aquatherm grey pipe - DISTRIBUTION BLOCK

with sliding sleeve connection including sliding sleeves

| Art.-No. | d1 | d2 | d3 | Z1 | L1 | Z2 | L2 | Z3 | L3 | I1 | I2 | PU | Price € m/pc |
|----------|----|----|----|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------------|
| 78200 | 20 | 16 | 20 | 75,00 | 90,00 | 49,00 | 64,00 | 75,00 | 90,00 | 35,00 | 50,00 | 1 | |
| 78201 | 20 | 20 | 16 | 73,00 | 90,00 | 48,00 | 65,00 | 73,00 | 89,00 | 35,00 | 50,00 | 1 | |
| 78202 | 20 | 16 | 16 | 73,00 | 90,00 | 48,00 | 64,00 | 73,00 | 89,00 | 35,00 | 50,00 | 1 | |
| 78204 | 16 | 20 | 16 | 73,00 | 89,00 | 48,00 | 65,00 | 73,00 | 89,00 | 35,00 | 50,00 | 1 | |
| 78206 | 16 | 16 | 16 | 73,00 | 89,00 | 48,00 | 64,00 | 73,00 | 89,00 | 35,00 | 50,00 | 1 | |
| 78208 | 20 | 20 | 20 | 73,00 | 90,00 | 48,00 | 65,00 | 73,00 | 90,00 | 35,00 | 50,00 | 1 | |

applicable as distribution end block,
including 2 end plugs

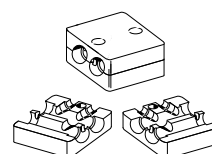
Material: PP-R/brass
Colour: green

for cross-free installations, flow rate: 10 kW, Temperature: 70/50° C

INSULATION FOR THE aquatherm grey pipe - DISTRIBUTION BLOCK

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|----------------|----|-----------------|
| 78220 | height = 50 mm | 1 | |

Material: PPS/PS

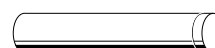


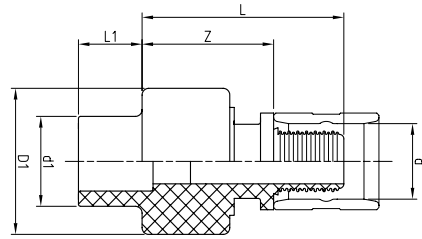
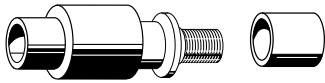
aquatherm grey pipe - END PIECE

for manifold and distribution blocks

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-------------------------|----|-----------------|
| 78228 | 16 mm - Length = 100 mm | 2 | |

Material: PB





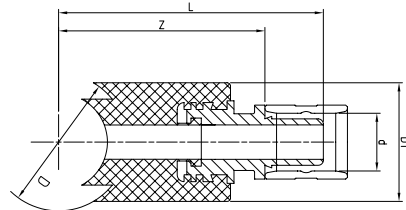
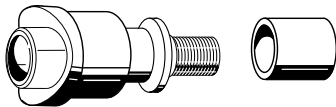
aquatherm grey pipe - ADAPTER

to aquatherm green pipe-fittings including sliding sleeve

| Art.-No. | Dimension | d1 | d | D1 | Z | L | L1 | PU | Price € m/pc |
|----------|---|----|----|-------|-------|-------|-------|----|--------------|
| 78320* | aquatherm green pipe 16 mm x aquatherm grey pipe 16 mm | 16 | 16 | 32,50 | 31,50 | 47,50 | 13,00 | 2 | |
| 78300 | aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm | 20 | 16 | 32,50 | 30,00 | 46,00 | 14,50 | 2 | |
| 78302 | aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm | 20 | 20 | 34,50 | 30,00 | 47,00 | 11,00 | 2 | |
| 78304 | aquatherm green pipe 25 mm x aquatherm grey pipe 20 mm | 25 | 20 | 34,50 | 30,00 | 47,00 | 12,00 | 2 | |
| 78306 | aquatherm green pipe 25 mm x aquatherm grey pipe 25 mm | 25 | 25 | 43,50 | 35,00 | 52,00 | 14,60 | 2 | |
| 78308 | aquatherm green pipe 32 mm x aquatherm grey pipe 25 mm | 32 | 25 | 43,50 | 36,00 | 54,00 | 16,00 | 1 | |

*to aquatherm green pipe

Material: PP-R/brass



aquatherm grey pipe - WELD-IN SADDLE ADAPTER

including sliding sleeve

| Art.-No. | Dimension | D | d | Z | L | D1 | PU | Price € m/pc |
|----------|---|-------|----|-------|-------|-------|----|--------------|
| 78402 | aquatherm green pipe 40 mm x aquatherm grey pipe 16 mm | 40,00 | 16 | 60,00 | 77,00 | 34,50 | 2 | |
| 78404 | aquatherm green pipe 40 mm x aquatherm grey pipe 20 mm | 40,00 | 20 | 58,00 | 75,00 | 38,50 | 2 | |
| 78406 | aquatherm green pipe 50 mm x aquatherm grey pipe 16 mm | 50,00 | 16 | 65,00 | 82,00 | 32,50 | 2 | |
| 78408 | aquatherm green pipe 50 mm x aquatherm grey pipe 20 mm | 50,00 | 20 | 64,00 | 81,00 | 38,50 | 2 | |
| 78410 | aquatherm green pipe 63 mm x aquatherm grey pipe 16 mm | 63,00 | 16 | 71,50 | 88,50 | 34,50 | 2 | |
| 78412 | aquatherm green pipe 63 mm x aquatherm grey pipe 20 mm | 63,00 | 20 | 70,50 | 87,50 | 38,50 | 2 | |

one side for saddle welding - one side for sliding sleeve connection

Material: PP-R/brass

aquatherm grey pipe - SPARE SLIDING SLEEVE

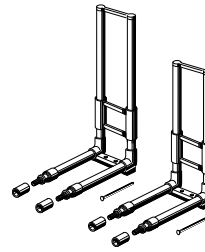
| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 79990 | 16mm | 10 | |
| 79992 | 20mm | 10 | |
| 79994 | 25mm | 10 | |



Material: brass

aquatherm grey pipe - CONNECTING BEND*...

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|---|----|-----------------|
| 79500 | aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 340 mm length = 200 mm | 1 | |
| 79510 | aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 200 mm length = 200 mm | 1 | |

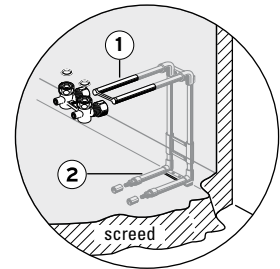


with sliding sleeve connection including sliding sleeves and one fastening plug
Pipe spacing: 50 mm
Material: PP-R/brass
Colour: white

... FOR RADIATOR CONNECTIONS COMING OUT OF THE WALL

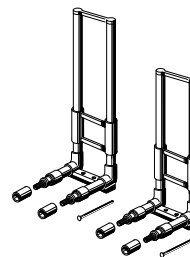
* by welding at site, in conjunction with aquatherm grey pipe-connecting bend (Art.-No. 85120)

1. Art.-No.: 85120
2. Art.-No.: 79500



aquatherm grey pipe - CONNECTING BEND*...

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|--|----|-----------------|
| 79502 | aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 340 mm length = 45 mm | 1 | |
| 79512 | aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 200 mm length = 45 mm | 1 | |

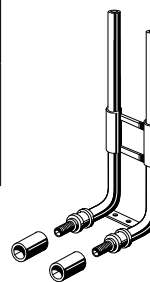


with sliding sleeve connection including sliding sleeves and one fastening plug
Pipe spacing: 50 mm
Material: PP-R/brass
Colour: white

aquatherm grey pipe - METAL CONNECTING BEND

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|--|----|-----------------|
| 79532 | 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 - RADIATOR-T-CONNECTING SET

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|---|----|-----------------|
| 79534 | aquatherm grey pipe-pipe connection 16 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm | 1 | |
| 79536 | aquatherm grey pipe-pipe connection 20 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm | 1 | |

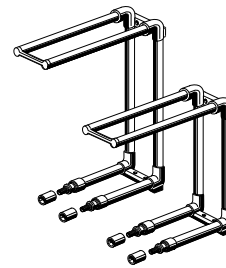


with sliding sleeve connections including sliding sleeves
Material: copper nickel-plated

aquatherm grey pipe - RADIATOR CONNECTING SET

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|--|----|--------------|
| 79540 | aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 260 mm length = 200 mm | 1 | |
| 79542 | aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 180 mm length = 200 mm | 1 | |

with sliding sleeve connection including sliding sleeves
 Material: PP-R/brass
 Pipe spacing: 50 mm
 Colour: white



aquatherm grey pipe - DOUBLE ROSETTE, RETRACTABLE

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

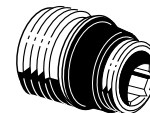
to cover connection pipes coming out of the floor covering
 Material: PA
 Pipe spacing: 50 mm
 Colour: white



aquatherm grey pipe - RED.-NIPPLE

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------------------|----|--------------|
| 85115 | 1/2" male x 3/4" male | 2 | |

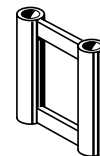
for the connection of radiator valves with compact valve radiators with connection 1/2" F



aquatherm grey pipe - PROTECTION SLEEVE

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|----------------|----|--------------|
| 85125 | for Ø 16+17 mm | 10 | |

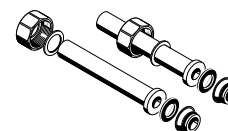
for protection of connection pipes of vertical radiator connection (from the floor) made of PP-R
 - Colour: green
 Pipe spacing: 50 mm



aquatherm grey pipe - RADIATOR CONNECTION SET

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

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

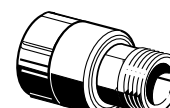


aquatherm grey pipe - RADIATOR CONNECTION PIECE

with hex shaped threaded connection

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------------|----|--------------|
| 83306 | 16 x G1/2" male | 10 | |

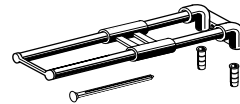
Material: PP-R
 brass thread



aquatherm grey pipe - CONNECTING BEND

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 85119 | 16x2,0mm | 1 | |

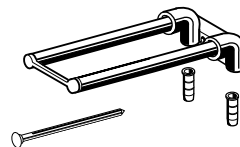
Length: 350 mm
Including 2 sliding sleeves (Ø 11,7 mm) and 1 fastening plug
Material: PP-R
Colour: white
Connection with two 16 mm welding tools (Art.-No. 50206)
Suitable distances for fixing at the welding device (Art.-No. 50337) are available



aquatherm grey pipe - CONNECTING BEND

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 85120 | 16x2,0mm | 1 | |

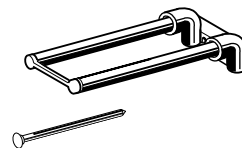
Length: 200 mm
Including 2 sliding sleeves (Ø 11,7 mm) and 1 fastening plug
Material: PP-R
Colour: white
Connection with two 16 mm welding tools (Art.-No. 50206)
Suitable distances for fixing at the welding device (Art.-No. 50337) are available



aquatherm grey pipe - CONNECTING BEND

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

Length: 200 mm
Including 1 fastening plug
Material: PP-R
Colour: white
Connection with two 16 mm welding tools (Art.-No. 50206)
Suitable distances for fixing at the welding device (Art.-No. 50337) are available

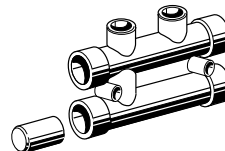


aquatherm grey pipe - DISTRIBUTION BLOCK

for skirting or floor installation

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

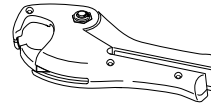
Passage 20 mm, 2 branches, including 1 plug 20 mm
Material: PP-R
Colour: green
Double welding with welding-device (Art.-No. 50337) in connection with two 16 mm and two 20 mm tools is possible.



aquatherm grey pipe - PIPE CUTTER

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

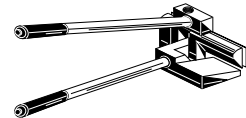
for aquatherm grey pipe- and aquatherm surface heating pipes



aquatherm grey pipe - BENDING TOOL

for mounting rail Art.-No. 79090

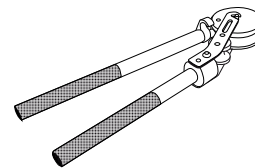
| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 50840 | | 1 | |



NEW aquatherm grey pipe - MANUAL PIPE BENDING TOOL

for multi-layer metal composite pipes

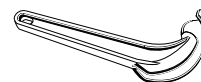
| Art.-No. | Dimension | PU | Price € m/St |
|----------|-------------|----|--------------|
| 50970 | for ø 16 mm | 1 | |
| 50972 | for ø 20 mm | 1 | |



aquatherm grey pipe - BENDING TEMPLATE

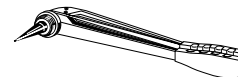
for multi-layer metal composite pipes

| Art.-No. | Dimension | PU | Price € m/St |
|----------|-------------|----|--------------|
| 50874 | for ø 25 mm | 1 | |



aquatherm grey pipe - EXPANDING TOOL

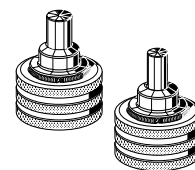
| Art.-No. | Dimension | PU | Price € m/pc |
|----------|----------------|----|--------------|
| 50800 | for ø 10-40 mm | 1 | |



FALSE JAWS FOR THE AQUATHERM GREY PIPE-EXPANDING TOOL

for aquatherm grey pipe PB-pipes

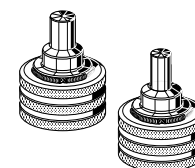
| Art.-No. | Dimension | PU | Price € m/pc |
|----------|------------|----|--------------|
| 50814 | 10 mm | 1 | |
| 50815 | 14 mm | 1 | |
| 50817 | 16 & 20 mm | 1 | |
| 50820 | 25 mm | 1 | |
| 50822 | 32 mm | 1 | |



FALSE JAWS FOR THE AQUATHERM GREY PIPE-EXPANDING TOOL

for aquatherm grey pipe multi-layer metal composite pipes

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|------------|----|--------------|
| 50857 | 16 & 20 mm | 1 | |
| 50860 | 25 mm | 1 | |
| 50862 | 32 mm | 1 | |
| 50864 | 40 mm | 1 | |

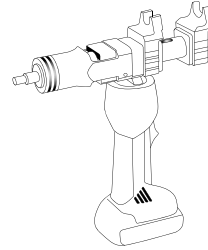


aquatherm grey pipe - HYDRAULIC ACCUMULATOR MOUNTING TOOL

for aquatherm grey pipe pipes

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|----------------------------|----|-----------------|
| 50809 | for \varnothing 16-40 mm | 1 | |

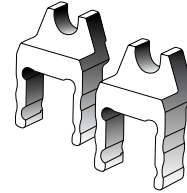
with recharger, expanding adapter and plastic suitcase



aquatherm grey pipe - TOOL INSERTS

for Hydraulic accumulator **aquatherm grey pipe** mounting tool Art.-No. 50809

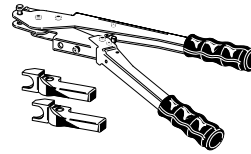
| Art.-No. | Dimension | PU | Price € m/St |
|--------------|-----------|----|-----------------|
| 50875 | 16 mm | 1 | |
| 50876 | 20 mm | 1 | |
| 50878 | 25 mm | 1 | |
| 50880 | 32 mm | 1 | |
| 50882 | 40 mm | 1 | |



aquatherm grey pipe - MOUNTING TOOL

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|----------------------------|----|-----------------|
| 50802 | for \varnothing 10-40 mm | 1 | |

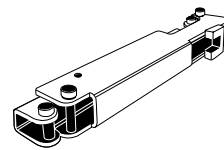
with tools for \varnothing 16 and 20 mm, for the mechanical sliding sleeve connection



aquatherm grey pipe - ANGLE ATTACHMENT

for aquatherm grey pipe mounting tool Art.-No. 50802

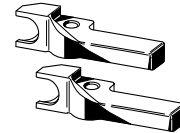
| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 50803 | | 1 | |



aquatherm grey pipe - TOOL INSERT

for aquatherm grey pipe mounting tool Art.-No. 50802

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|-------|-----------------|
| 50824 | 10 mm | 1 Set | |
| 50825 | 14 mm | 1 Set | |
| 50826 | 16 mm | 1 Set | |
| 50828 | 20 mm | 1 Set | |
| 50830 | 25 mm | 1 Set | |
| 50832 | 32 mm | 1 Set | |
| 50834 | 40 mm | 1 Set | |



aquatherm grey pipe - TOOL CASE

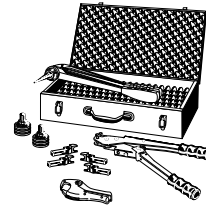
| Art.-No. | Dimension | PU | Price € m/pc |
|----------|----------------|----|-----------------|
| 50804 | for ø 16-20 mm | 1 | |

including:

- pipe cutter (Art.-No. 50103)
- expanding tool with false jaws
- mounting tool with tools for 16 and 20 mm (Art.-No. 50802)

Not suitable for metal composite pipe (Art.-No. 777070-777052)!

Note: Expanding and mounting tool for 25 and 32 mm (Art.-No. 50820, 50822 + 50830, 50832) as well as for aquatherm grey pipe multi-layer metal composite pipe (Art.-No. 50857, 50860, 50862) have to be ordered separately.



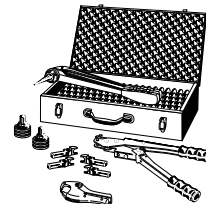
aquatherm grey pipe - TOOL CASE

multi-layer metal composite pipe

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

including:

- pipe cutter (Art.-No. 50103)
- expanding tool (Art.-No. 50800) with false jaws 16-20 mm (Art.-No. 50857)
- mounting tool (Art.-No. 50802) with tools (Art.-No. 50826 and 50828)



ATTENTION

Caused by a product change of the aquatherm grey pipe multilayer-metal composite pipe, sliding sleeves with different dimensions must necessarily be used in the processing. The base body of the fittings remains the same.

For a precise marking the new article-numbers start with a 7 before the five-figure product number.
For example:

777070 aquatherm grey pipe multilayer-metal composite pipe 16 mm (formerly art.-no. 77070)

779000 aquatherm grey pipe back plate elbow 16 x 1/2" (formerly art.-no. 79000)

On processing the previous agp mmc pipes, art.-no. 77070-77072 and 77050-77058 the previous sliding sleeves (art.-no. 79990-79998) are used.

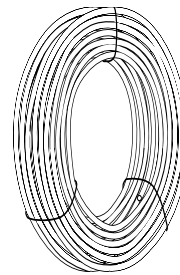
The same applies for the agp potable water connection pipes made of PB with the article-numbers 77000-77040.

aquatherm grey pipe - MULTI LAYER METAL COMPOSITE PIPE

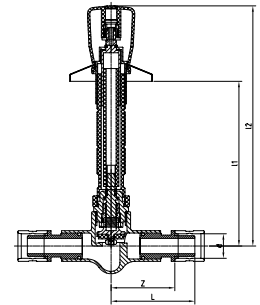
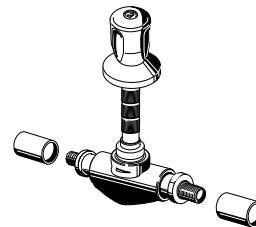
with oxygen barrier

| Art.-No. | Dimension | PU | Price € m/pc |
|---------------------|-------------|-----|-----------------|
| 777070 | 16 mm | 100 | |
| 777072 | 20 mm | 100 | |
| ... in length á 5 m | | | |
| 777050 | 16 mm | 100 | |
| 777052 | 20 mm | 65 | |
| 777054 | 25 x 3,0 mm | 45 | |
| 777056 | 32 mm | 35 | |
| ... in length á 4 m | | | |
| 777058 | 40 mm | 40 | |

Material: PE-X Application field: Potable water/heating
 Colour: white Operating temperature: 70°C
 Form supplied: ring/straight lengths DVGW-Registr.-No.: DW-8216 BT0628
 according to: DIN 4726 with oxygen barrier



Please apply only the suitable expanding tools Art.-No. 50857-50864 for the multi layer metal composite pipe.

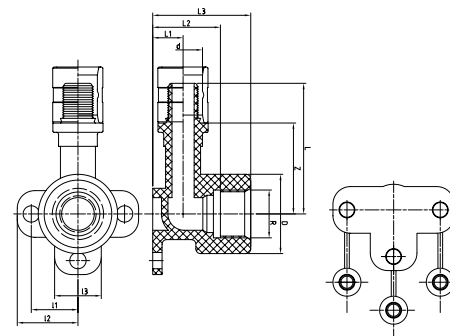
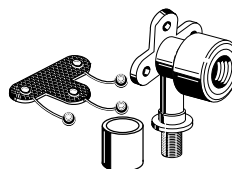


aquatherm grey pipe - CONCEALED STOP VALVE

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | Z | L | I1 | I2 | PU | Price € m/pc |
|---------------|----|-------|-------|--------|--------|----|-----------------|
| 779858 | 20 | 54,00 | 71,00 | 139,50 | 203,50 | 1 | |

suitable for construction depth from 55 mm - 100 mm



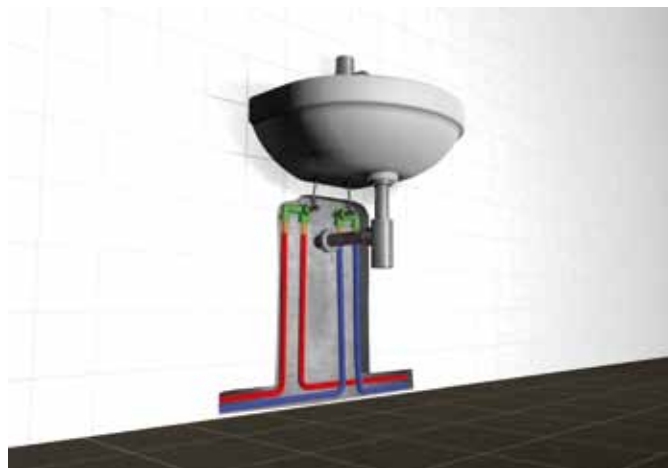
aquatherm grey pipe - BACK PLATE ELBOW

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | R | D | Z | L | L1 | L2 | L3 | I1 | I2 | I3 | PU | Price € m/pc |
|---------------|----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------------|
| 779000 | 16 | G1/2 | 34,00 | 39,00 | 56,00 | 13,00 | 29,00 | 42,00 | 20,00 | 26,00 | 20,00 | 1 | |
| 779002 | 20 | G3/4 | 40,00 | 42,00 | 59,00 | 13,00 | 29,00 | 42,00 | 25,00 | 31,00 | 20,00 | 1 | |
| 779004 | 20 | G1/2 | 34,00 | 39,00 | 56,00 | 13,00 | 29,00 | 42,00 | 20,00 | 26,00 | 20,00 | 1 | |
| 779006 | 25 | G3/4 | 33,00 | 36,00 | 54,00 | 27,00 | 29,00 | 48,00 | 20,00 | 26,00 | 20,00 | 1 | |

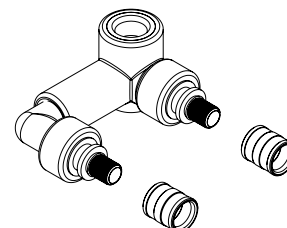
Material: PPSU/brass | including acoustic panel (PP) | proper to sound insulation plate Art.-No. 79080

NEW PRINCIPLE OF FLOW-THROUGH BACK PLATE ELBOW



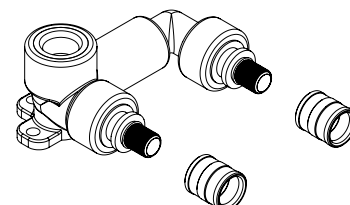
NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW LEFT

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|----------|---------------------|----|----------|--------------|
| 779014 | 16mm x 1/2" IG left | 1 | | |
| 779018 | 20mm x 1/2" IG left | 1 | | |



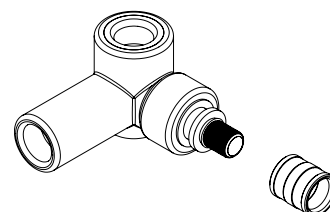
NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW RIGHT

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|----------|----------------------|----|----------|--------------|
| 779012 | 16mm x 1/2" IG right | 1 | 4 | |
| 779016 | 20mm x 1/2" IG right | 1 | 4 | |



NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW LEFT

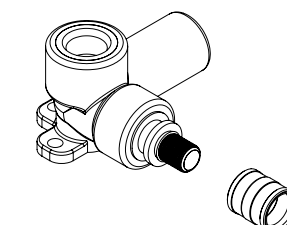
| Art.-No. | Dimension | PU | Box unit | Price € m/pc | Preis € m/St |
|----------|---|------|----------|--------------|--------------|
| 778362 | aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm | 1/2" | 1 | 4 | |
| 778366 | aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm | 1/2" | 1 | 4 | |



For the production of the aquatherm grey pipe flow-through back plate elbow left Art.-No. 79014 or 79018 the aquatherm grey pipe opposite elbows male/female 78330 (16mm) or 78332 (20mm) have to be used.

NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE ELBOW RIGHT

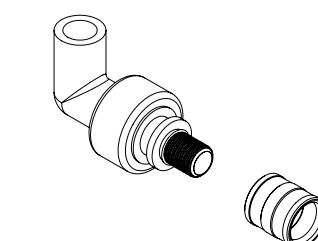
| Art.-No. | Dimension | PU | Box unit | Price € m/pc | Preis € m/St |
|----------|---|------|----------|--------------|--------------|
| 778360 | aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm | 1/2" | 1 | 4 | |
| 778364 | aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm | 1/2" | 1 | 4 | |



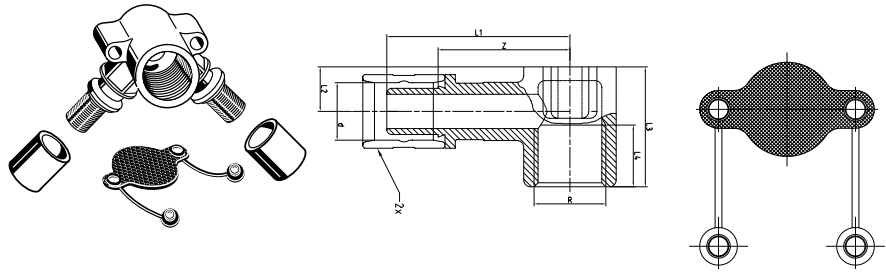
For the production of the aquatherm grey pipe flow-through back plate elbow left Art.-No. 79012 or 79016 the aquatherm grey pipe opposite elbows male/female 78330 (16mm) or 78332 (20mm) have to be used.

NEW aquatherm grey pipe - FLOW-THROUGH BACK PLATE OPPOSITE ELBOW

| Art.-No. | Dimension | PU | Box unit | Price € m/pc |
|----------|---|----|----------|--------------|
| 778330 | aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm | 1 | 4 | |
| 778332 | aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm | 1 | 4 | |



aquatherm grey pipe

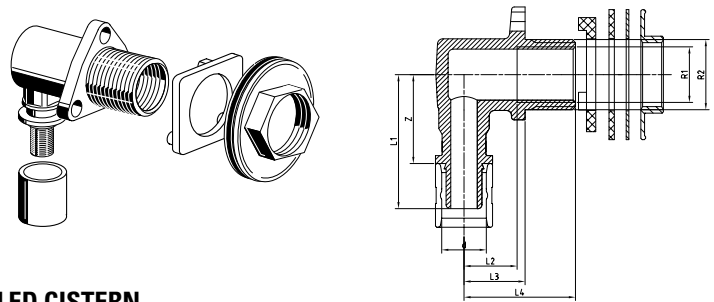


aquatherm grey pipe - BACK PLATE ELBOW, TWIN

including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | Z | L1 | L2 | L3 | R | L4 | L5 | PU | Price € m/pc |
|---------------|-----------|-------|-------|-------|-------|------|-------|-------|----|-----------------|
| 779010 | 16 | 38,50 | 53,50 | 13,00 | 35,00 | G1/2 | 18,00 | 51,00 | 4 | |

Material: brass
including acoustic panel (PP)

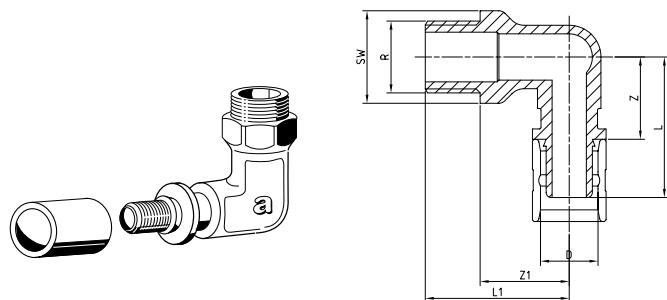


aquatherm grey pipe - CONNECTING ELBOW FOR CONCEALED CISTERN

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | Z | L1 | L2 | L3 | R | L4 | L5 | PU | Price € m/pc |
|---------------|-----------|-------|-------|-------|-------|------|-------|-------|----|-----------------|
| 779020 | 16 | 33,50 | 50,50 | 20,00 | 23,00 | G1/2 | 42,00 | 51,00 | 1 | |

Material: brass
including counternut, gasket and spring washer

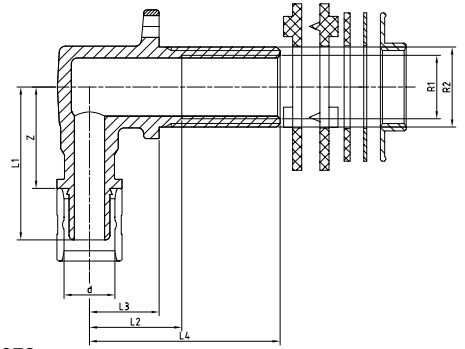
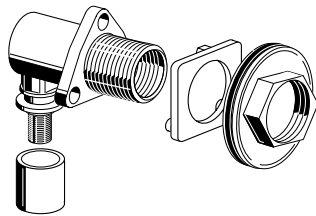


aquatherm grey pipe - TRANSITION ELBOW

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | R | Z | Z1 | L | L1 | SW | PU | Price € m/pc |
|---------------|----|--------|-------|-------|-------|-------|-------|----|-----------------|
| 779030 | 16 | G1/2 | 24,00 | 26,00 | 41,00 | 42,00 | 24,00 | 2 | |
| 779032 | 20 | G1/2 | 24,00 | 26,00 | 41,00 | 42,00 | 24,00 | 2 | |
| 779033 | 20 | G3/4 | 25,50 | 21,00 | 42,50 | 38,00 | - | 2 | |
| 779034 | 25 | G3/4 | 26,00 | 21,00 | 44,00 | 38,00 | - | 2 | |
| 779036 | 32 | G3/4 | 30,00 | 20,00 | 51,00 | 38,00 | - | 2 | |
| 779038 | 32 | G1 | 33,00 | 29,00 | 54,00 | 47,00 | - | 2 | |
| 779039 | 40 | G1 1/4 | 42,00 | 35,00 | 36,00 | 73,00 | 42,00 | 1 | |

Material: brass

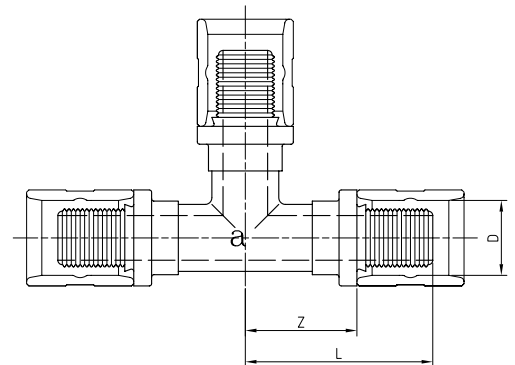
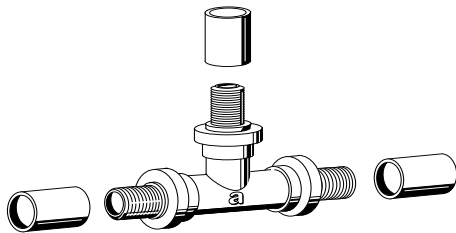


aquatherm grey pipe - CONNECTING ELBOW

for dry construction, including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | R1 | Z | L1 | R2 | L2 | L3 | L4 | PU m/St | Price € m/pc |
|---------------|-----------|-------------|-------|-------|------|-------|-------|-------|------------|-----------------|
| 779040 | 16 | G1/2 | 33,50 | 50,50 | G3/4 | 30,50 | 23,00 | 63,00 | 2 | |

Material: brass
including counternut, gasket and 2 spring washers

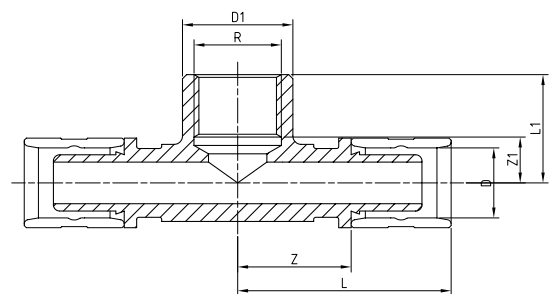
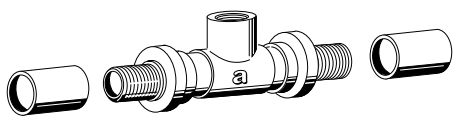


aquatherm grey pipe - TEE

including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | Z | L | PU | Price € m/pc |
|---------------|-----------|-------|-------|----|-----------------|
| 779100 | 16 | 25,00 | 42,00 | 2 | |
| 779102 | 20 | 24,00 | 41,00 | 2 | |
| 779104 | 25 | 27,00 | 45,00 | 2 | |
| 779106 | 32 | 33,75 | 54,75 | 2 | |
| 779108 | 40 | 42,00 | 73,00 | 2 | |

Material: PPSU/brass

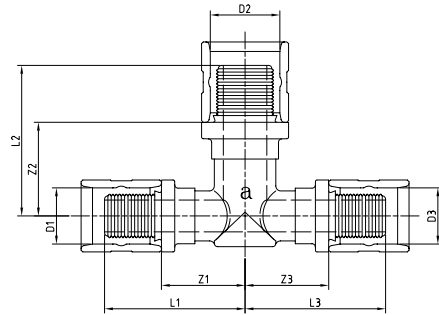
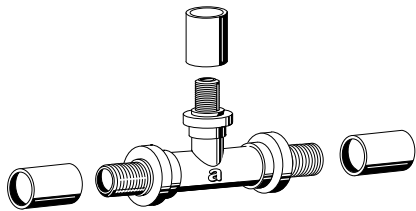


aquatherm grey pipe - TEE WITH FEMALE THREAD

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | R | Z | L | D1 | L1 | Z1 | PU | Price € m/pc |
|---------------|-----------|-------------|-------|-------|-------|-------|-------|----|-----------------|
| 779160 | 16 | G1/2 | 27,25 | 44,25 | 26,50 | 26,00 | 11,00 | 2 | |
| 779162 | 20 | G1/2 | 26,25 | 43,25 | 26,25 | 26,00 | 11,00 | 2 | |
| 779163 | 25 | G1/2 | 30,00 | 54,00 | 32,00 | 28,00 | 9,00 | 2 | |
| 779164 | 25 | G3/4 | 31,00 | 48,00 | 32,00 | 28,00 | 11,00 | 2 | |
| 779165 | 32 | G1/2 | 31,00 | 58,00 | 32,00 | 30,25 | 10,50 | 1 | |
| 779166 | 32 | G3/4 | 31,00 | 52,00 | 32,00 | 30,00 | 13,00 | 1 | |
| 779168 | 40 | G1 | 42,25 | 77,25 | 42,00 | 38,25 | 18,25 | 1 | |

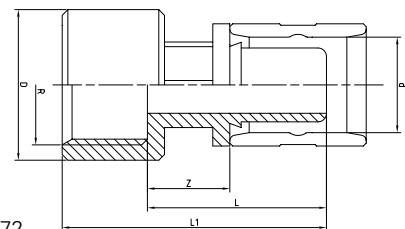
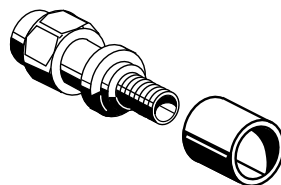
Material: brass



aquatherm grey pipe - REDUCING TEE

including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d1 | d2 | d3 | Z1 | L1 | Z2 | L2 | Z3 | L3 | PU | Price € m/pc |
|----------|----|----|----|-------|-------|-------|-------|-------|-------|----|-----------------|
| 779110 | 16 | 20 | 16 | 25,00 | 42,00 | 28,00 | 45,00 | 25,00 | 42,00 | 2 | |
| 779112 | 20 | 16 | 16 | 25,00 | 42,00 | 25,00 | 42,00 | 25,00 | 42,00 | 2 | |
| 779114 | 20 | 16 | 20 | 25,00 | 42,00 | 25,00 | 42,00 | 25,00 | 42,00 | 2 | |
| 779116 | 20 | 20 | 16 | 25,00 | 42,00 | 25,00 | 42,00 | 25,00 | 42,00 | 2 | |
| 779118 | 25 | 20 | 25 | 27,00 | 45,00 | 28,00 | 45,00 | 27,00 | 45,00 | 2 | |
| 779120 | 25 | 20 | 20 | 27,00 | 45,00 | 28,00 | 45,00 | 28,00 | 45,00 | 2 | |
| 779122 | 25 | 20 | 16 | 27,00 | 45,00 | 28,00 | 45,00 | 28,00 | 45,00 | 2 | |
| 779123 | 25 | 16 | 25 | 27,00 | 45,00 | 28,00 | 45,00 | 27,00 | 45,00 | 2 | |
| 779124 | 25 | 16 | 20 | 27,00 | 45,00 | 28,00 | 45,00 | 28,00 | 45,00 | 2 | |
| 779126 | 20 | 25 | 20 | 28,00 | 45,00 | 27,00 | 45,00 | 28,00 | 45,00 | 2 | |
| 779128 | 20 | 32 | 20 | 37,75 | 54,75 | 33,75 | 54,75 | 37,75 | 54,75 | 1 | |
| 779130 | 25 | 32 | 25 | 36,75 | 54,75 | 33,75 | 54,75 | 36,75 | 54,75 | 1 | |
| 779132 | 32 | 16 | 32 | 33,75 | 54,75 | 37,75 | 54,75 | 33,75 | 54,75 | 1 | |
| 779134 | 32 | 20 | 20 | 33,75 | 54,75 | 37,75 | 54,75 | 37,75 | 54,75 | 1 | |
| 779136 | 32 | 20 | 32 | 33,75 | 54,75 | 37,75 | 54,75 | 33,75 | 54,75 | 1 | |
| 779138 | 32 | 25 | 25 | 33,75 | 54,75 | 36,75 | 54,75 | 36,75 | 54,75 | 1 | |
| 779140 | 32 | 25 | 32 | 33,75 | 54,75 | 36,75 | 54,75 | 33,75 | 54,75 | 1 | |
| 779142 | 32 | 32 | 20 | 33,75 | 54,75 | 33,75 | 54,75 | 37,75 | 54,75 | 1 | |
| 779144 | 32 | 32 | 25 | 33,75 | 54,75 | 33,75 | 54,75 | 36,75 | 54,75 | 1 | |
| 779146 | 32 | 16 | 25 | 33,75 | 54,75 | 37,75 | 54,75 | 36,75 | 54,75 | 1 | |
| 779148 | 32 | 25 | 20 | 33,75 | 54,75 | 36,75 | 54,75 | 37,75 | 54,75 | 1 | |
| 779150 | 32 | 20 | 25 | 33,75 | 54,75 | 37,75 | 54,75 | 36,75 | 54,75 | 1 | |
| 779152 | 32 | 16 | 20 | 33,75 | 54,75 | 37,75 | 54,75 | 37,75 | 54,75 | 1 | |
| 779156 | 40 | 20 | 40 | 42,00 | 73,00 | 38,50 | 42,00 | 42,00 | 73,00 | 1 | |
| 779158 | 40 | 25 | 40 | 42,00 | 73,00 | 39,85 | 42,00 | 42,00 | 73,00 | 1 | |
| 779159 | 40 | 32 | 40 | 42,00 | 73,00 | 38,50 | 42,00 | 42,00 | 73,00 | 1 | |



aquatherm grey pipe - TRANSITION PIECE

with female thread, including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | R | Z | L | L1 | D | PU | Price € m/pc |
|----------|----|--------|-------|-------|-------|-------|----|-----------------|
| 779182 | 16 | G1/2 | 14,50 | 31,50 | 46,50 | 26,50 | 2 | |
| 779184 | 20 | G1/2 | 14,50 | 31,50 | 46,50 | 26,50 | 2 | |
| 779186 | 20 | G3/4 | 14,50 | 31,50 | 48,50 | 32,50 | 2 | |
| 779188 | 25 | G3/4 | 16,50 | 34,50 | 51,50 | 32,50 | 2 | |
| 779190 | 32 | G3/4 | 20,00 | 41,00 | 58,00 | 32,50 | 2 | |
| 779192 | 32 | G1 | 20,00 | 41,00 | 60,00 | 40,00 | 2 | |
| 779194 | 40 | G1 1/4 | 27,50 | 58,00 | 82,00 | 52,00 | 1 | |

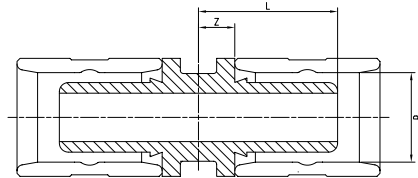
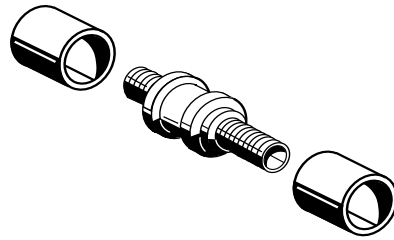
Material: brass

aquatherm grey pipe - TRANSITION PIECE

with male thread, including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | R | Z | L | L1 | PU | Price € m/pc |
|----------|----|--------|-------|-------|-------|----|-----------------|
| 779200 | 16 | G1/2 | 11,50 | 28,50 | 44,50 | 2 | |
| 779202 | 20 | G1/2 | 11,50 | 28,50 | 44,50 | 2 | |
| 779203 | 20 | G3/4 | 12,50 | 29,50 | 45,50 | 2 | |
| 779204 | 25 | G3/4 | 14,50 | 31,50 | 47,50 | 2 | |
| 779205 | 25 | G1/2 | 11,50 | 29,50 | 45,50 | 2 | |
| 779206 | 32 | G3/4 | 14,50 | 35,50 | 51,50 | 2 | |
| 779207 | 40 | G1 1/4 | 23,50 | 55,00 | 74,50 | 1 | |
| 779208 | 32 | G1 | 17,00 | 38,00 | 58,00 | 2 | |

Material: brass

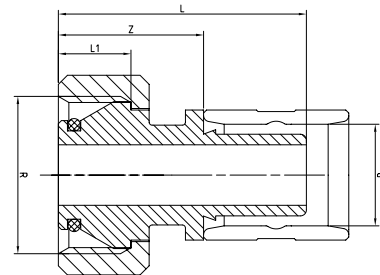
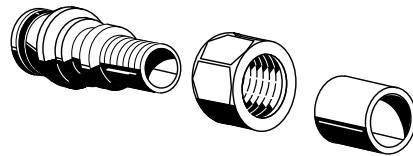


aquatherm grey pipe - COUPLING

including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | Z | L | PU | Price € m/pc |
|----------|----|-------|-------|----|-----------------|
| 779210 | 16 | 6,00 | 23,00 | 2 | |
| 779212 | 20 | 6,00 | 23,00 | 2 | |
| 779214 | 25 | 7,25 | 25,25 | 2 | |
| 779216 | 32 | 9,00 | 30,00 | 2 | |
| 779218 | 40 | 14,50 | 45,50 | 1 | |

Material: brass



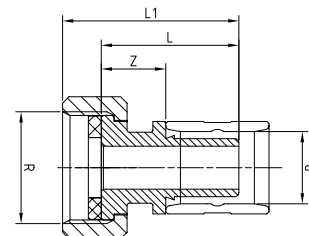
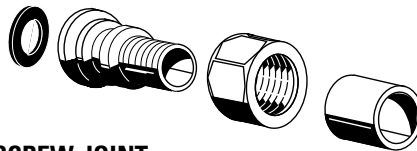
aquatherm grey pipe - EUROCONUS ADAPTER

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | R | Z | L | L1 | PU | Price € m/pc |
|----------|----|------|-------|-------|-------|----|-----------------|
| 779220 | 16 | G3/4 | 24,00 | 41,00 | 12,00 | 2 | |
| 779222 | 20 | G3/4 | 30,00 | 47,00 | 15,00 | 2 | |

Material: brass

for customary manifolds/joints

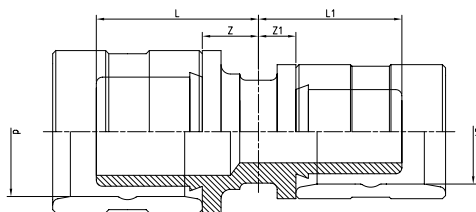
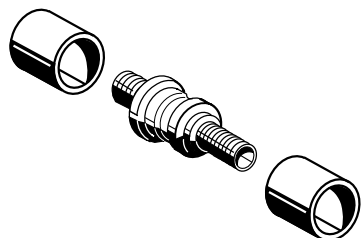


aquatherm grey pipe - TRANSITION SCREW JOINT

including sliding sleeve and gasket - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | R | Z | L | L1 | PU | Price € m/pc |
|----------|----|--------|-------|-------|-------|----|-----------------|
| 779230 | 16 | G3/4 | 15,00 | 32,00 | 41,00 | 2 | |
| 779232 | 20 | G1 | 15,50 | 32,50 | 45,00 | 2 | |
| 779240 | 20 | G3/4 | 22,00 | 39,00 | 48,00 | 2 | |
| 779242 | 25 | G1 | 28,00 | 46,00 | 57,50 | 1 | |
| 779244 | 32 | G1 1/4 | 29,00 | 50,00 | 61,70 | 1 | |
| 779246 | 40 | G1 1/2 | 36,00 | 67,00 | 82,00 | 1 | |

Material: brass

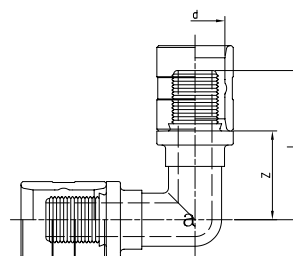
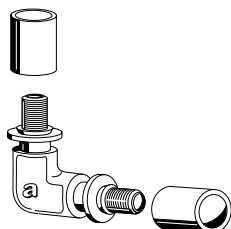


aquatherm grey pipe - REDUCING COUPLING

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | d1 | Z | L | Z1 | L1 | PU | Price € m/pc |
|----------|----|----|-------|-------|------|-------|----|-----------------|
| 779250 | 20 | 16 | 9,00 | 26,00 | 6,00 | 23,00 | 2 | |
| 779252 | 25 | 20 | 10,00 | 28,00 | 6,00 | 23,00 | 2 | |
| 779254 | 25 | 16 | 10,00 | 28,00 | 6,00 | 23,00 | 2 | |
| 779256 | 32 | 25 | 11,25 | 32,25 | 7,25 | 25,25 | 1 | |
| 779258 | 32 | 20 | 10,75 | 31,75 | 6,25 | 23,25 | 1 | |
| 779260 | 32 | 16 | 11,00 | 32,00 | 6,00 | 23,00 | 1 | |
| 779268 | 40 | 32 | 16,75 | 47,75 | 8,25 | 29,25 | 1 | |
| 779270 | 40 | 25 | | | | | 1 | |

Material: brass

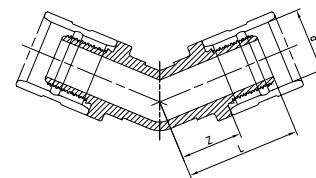
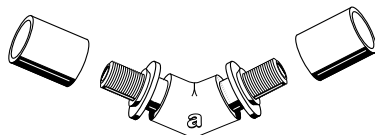


aquatherm grey pipe - ELBOW 90°

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | Z | L | PU | Price € m/pc |
|----------|----|-------|-------|----|-----------------|
| 779300 | 16 | 25,00 | 42,00 | 2 | |
| 779302 | 20 | 25,00 | 42,00 | 2 | |
| 779304 | 25 | 27,00 | 45,00 | 2 | |
| 779306 | 32 | 33,75 | 54,75 | 1 | |
| 779308 | 40 | 42,25 | 73,25 | 1 | |

Material: PPSU/brass

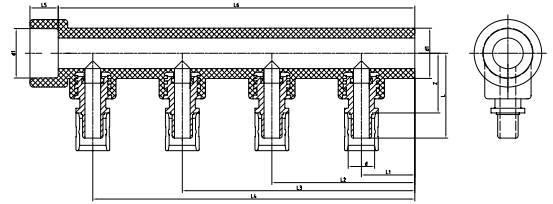
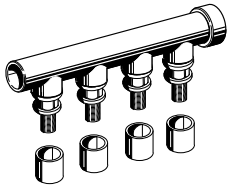


aquatherm grey pipe - ELBOW 45°

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | Z | L | PU | Price € m/pc |
|----------|----|-------|-------|----|-----------------|
| 779322 | 20 | 20,00 | 37,00 | 2 | |
| 779324 | 25 | 22,00 | 40,00 | 2 | |
| 779326 | 32 | 26,25 | 47,25 | 2 | |
| 779328 | 40 | 31,00 | 62,00 | 1 | |

Material: PPSU/brass

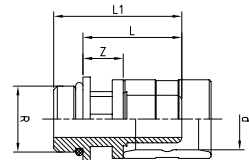
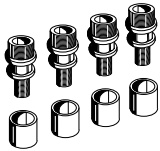


aquatherm grey pipe - FOUR-PORT MANIFOLD

4 branches with sliding sleeve connection including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | d1 | Z | L | L1 | L2 | L3 | L4 | L5 | L6 | PU | Price € m/pc |
|---------------|-----------|-----------|-------|-------|-------|-------|--------|--------|-------|--------|----|--------------|
| 778003 | 16 | 32 | 38,00 | 54,00 | 34,00 | 91,00 | 148,00 | 205,00 | 18,00 | 227,00 | 2 | |

Material: PP-R/brass
Colour: green

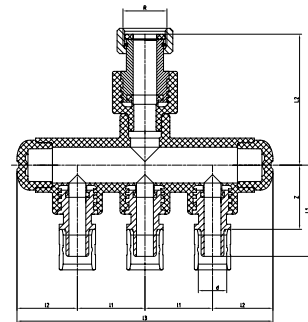
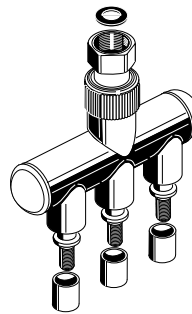


aquatherm grey pipe - SLIDING SLEEVE CONNECTIONS

for manifold branches including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | Dimension | d | R | Z | L | L1 | PU | Price € m/pc |
|---------------|---|-----------|----------------|-------|-------|-------|----|--------------|
| 778010 | Screwed insert m 18 x 1,5 mm with sliding sleeve connection 16 x 2,0 mm | 16 | M18x1,5 | 11,50 | 28,50 | 36,00 | 4 | |
| 778012 | Screwed insert m 18 x 1,5 mm with sliding sleeve connection 20 x 2,0 mm | 20 | M18x1,5 | 11,50 | 28,50 | 36,00 | 4 | |

Material: brass

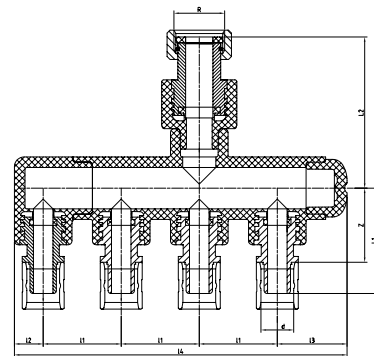
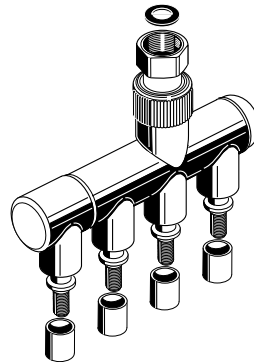


aquatherm grey pipe - UNIVERSAL MANIFOLD TRIPLE

with water meter connecting union including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | R | Z | L1 | L2 | I1 | I2 | PU | Price € m/pc |
|---------------|-----------|-------------|-------|-------|-------|-------|--------|----|--------------|
| 778050 | 16 | G3/4 | 38,00 | 54,00 | 77,50 | 40,00 | 151,50 | 1 | |
| 778051 | 16 | G1 | 38,00 | 55,00 | 73,50 | 40,00 | 169,22 | 1 | |

Material: PP-R/brass
Colour: green

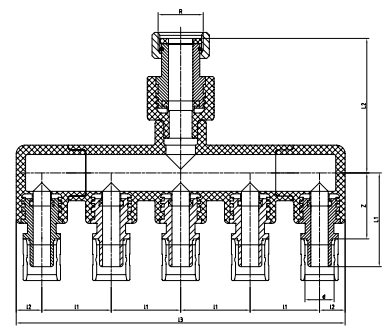
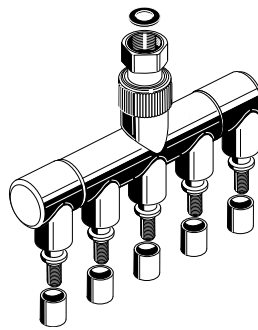


aquatherm grey pipe - UNIVERSAL MANIFOLD FOURFOLD

with water meter connecting union including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | R | Z | L1 | L2 | I1 | I2 | PU | Price € m/pc |
|---------------|-----------|-------------|-------|-------|-------|-------|--------|----|--------------|
| 778052 | 16 | G3/4 | 38,00 | 54,00 | 77,50 | 40,00 | 170,50 | 1 | |
| 778053 | 16 | G1 | 38,00 | 55,00 | 73,50 | 40,00 | 180,50 | 1 | |

Material: PP-R/brass
Colour: green

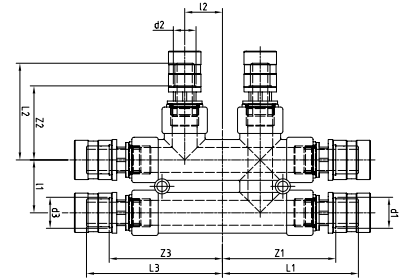
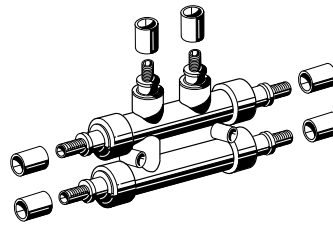


aquatherm grey pipe - UNIVERSAL MANIFOLD FIVEFOLD

with water meter connecting union including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d | R | Z | L1 | L2 | I1 | I2 | PU | Price € m/pc |
|----------|----|------|-------|-------|-------|-------|--------|----|-----------------|
| 778054 | 16 | G3/4 | 38,00 | 54,00 | 77,50 | 40,00 | 189,50 | 1 | |

Material: PP-R/brass
Colour: green



aquatherm grey pipe - DISTRIBUTION BLOCK

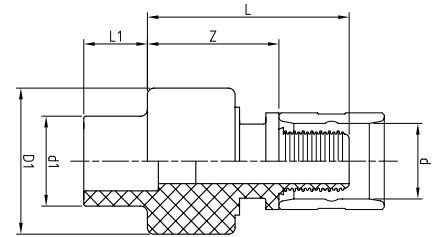
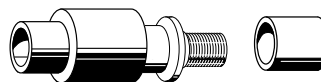
with sliding sleeve connection including sliding sleeves - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | d1 | d2 | d3 | Z1 | L1 | Z2 | L2 | Z3 | L3 | I1 | I2 | PU | Price € m/pc |
|----------|----|----|----|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------------|
| 778200 | 20 | 16 | 20 | 75,00 | 90,00 | 49,00 | 64,00 | 75,00 | 90,00 | 35,00 | 50,00 | 1 | |
| 778201 | 20 | 20 | 16 | 73,00 | 90,00 | 48,00 | 65,00 | 73,00 | 89,00 | 35,00 | 50,00 | 1 | |
| 778202 | 20 | 16 | 16 | 73,00 | 90,00 | 48,00 | 64,00 | 73,00 | 89,00 | 35,00 | 50,00 | 1 | |
| 778204 | 16 | 20 | 16 | 73,00 | 89,00 | 48,00 | 65,00 | 73,00 | 89,00 | 35,00 | 50,00 | 1 | |
| 778206 | 16 | 16 | 16 | 73,00 | 89,00 | 48,00 | 64,00 | 73,00 | 89,00 | 35,00 | 50,00 | 1 | |
| 778208 | 20 | 20 | 20 | 73,00 | 90,00 | 48,00 | 65,00 | 73,00 | 90,00 | 35,00 | 50,00 | 1 | |

applicable as distribution end block,
including 2 end plugs

Material: PP-R/brass
Colour: green

for cross-free installations, flow rate: 10 kW, Temperature: 70/50° C

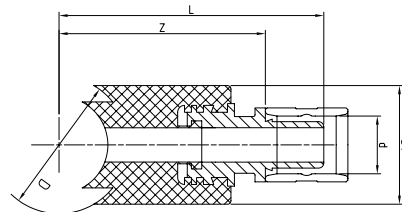
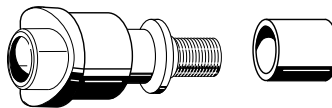


aquatherm grey pipe - ADAPTER

to aquatherm green pipe-fittings including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | Dimension | d1 | d | D1 | Z | L | L1 | PU | Price € m/pc |
|----------|---|----|----|-------|-------|-------|-------|----|-----------------|
| 778320* | aquatherm green pipe 16 mm x aquatherm grey pipe 16 mm | 16 | 16 | 32,50 | 31,50 | 47,50 | 13,00 | 2 | |
| 778300 | aquatherm green pipe 20 mm x aquatherm grey pipe 16 mm | 20 | 16 | 32,50 | 30,00 | 46,00 | 14,50 | 2 | |
| 778302 | aquatherm green pipe 20 mm x aquatherm grey pipe 20 mm | 20 | 20 | 32,50 | 30,00 | 46,00 | 14,50 | 2 | |
| 778304 | aquatherm green pipe 25 mm x aquatherm grey pipe 20 mm | 25 | 20 | 34,50 | 30,00 | 47,00 | 11,00 | 2 | |
| 778306 | aquatherm green pipe 25 mm x aquatherm grey pipe 25 mm | 25 | 25 | 34,50 | 30,00 | 47,00 | 12,00 | 2 | |
| 778308 | aquatherm green pipe 32 mm x aquatherm grey pipe 25 mm | 32 | 25 | 43,50 | 35,00 | 52,00 | 14,60 | 2 | |
| 778310 | aquatherm green pipe 32 mm x aquatherm grey pipe 32 mm | 32 | 32 | 43,50 | 36,00 | 54,00 | 16,00 | 1 | |
| 778312 | aquatherm green pipe 40 mm x aquatherm grey pipe 32 mm | 40 | 32 | 57,50 | 44,00 | 65,00 | 20,50 | 1 | |

*to aquatherm green pipe
Material: PP-R/brass



aquatherm grey pipe - WELD-IN SADDLE ADAPTER

including sliding sleeve - for aquatherm grey pipe Art.-No. 777050 ... 777072

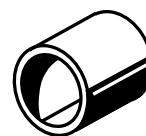
| Art.-No. | Dimension | D | d | Z | L | D1 | PU | Price € m/pc |
|----------|---|-------|----|-------|-------|-------|----|--------------|
| 778402 | aquatherm green pipe 40 mm x aquatherm grey pipe 16 mm | 40,00 | 16 | 60,00 | 77,00 | 34,50 | 2 | |
| 778404 | aquatherm green pipe 40 mm x aquatherm grey pipe 20 mm | 40,00 | 20 | 58,00 | 75,00 | 38,50 | 2 | |
| 778406 | aquatherm green pipe 50 mm x aquatherm grey pipe 16 mm | 50,00 | 16 | 65,00 | 82,00 | 32,50 | 2 | |
| 778408 | aquatherm green pipe 50 mm x aquatherm grey pipe 20 mm | 50,00 | 20 | 64,00 | 81,00 | 38,50 | 2 | |
| 778410 | aquatherm green pipe 63 mm x aquatherm grey pipe 16 mm | 63,00 | 16 | 71,50 | 88,50 | 34,50 | 2 | |
| 778412 | aquatherm green pipe 63 mm x aquatherm grey pipe 20 mm | 63,00 | 20 | 70,50 | 87,50 | 38,50 | 2 | |

one side for saddle welding - one side for sliding sleeve connection
Material: PP-R/brass

aquatherm grey pipe - SPARE SLIDING SLEEVE

for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 779990 | 16mm | 10 | |
| 779992 | 20mm | 10 | |
| 779994 | 25mm | 10 | |
| 779996 | 32mm | 10 | |
| 779998 | 40 mm | 10 | |

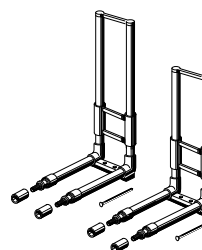


Material: brass

aquatherm grey pipe - CONNECTING BEND*...

for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|--|----|--------------|
| 779500 | aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 340 mm length = 200 mm | 1 | |
| 779510 | aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 200 mm length = 200 mm | 1 | |



with sliding sleeve connection including sliding sleeves and one fastening plug

Pipe spacing: 50 mm

Material: PP-R/brass

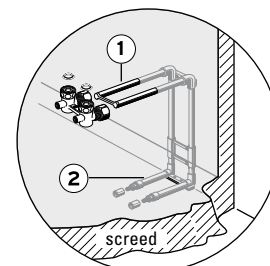
Colour: white

... FOR RADIATOR CONNECTIONS COMING OUT OF THE WALL

* by welding at site, in conjunction with aquatherm grey pipe-connecting bend (Art.-No. 85120)

1. Art.-No.: 85120

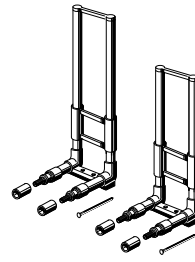
2. Art.-No.: 79500



aquatherm grey pipe - CONNECTING BEND*...

for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | Dimension | PU | Price € m/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 | |

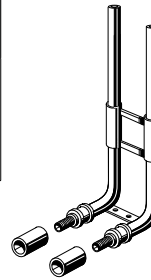


with sliding sleeve connection including sliding sleeves and one fastening plug
Pipe spacing: 50 mm
Material: PP-R/brass
Colour: white

aquatherm grey pipe - METAL CONNECTING BEND

for aquatherm grey pipe Art.-No. 777050 ... 777072

| Art.-No. | Dimension | PU | Price € m/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 - RADIATOR-T-CONNECTING SET

for aquatherm grey pipe Art.-No. 777050 ... 777072

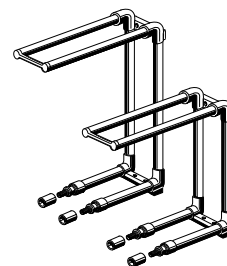
| Art.-No. | Dimension | PU | Price € m/pc |
|---------------|---|----|-----------------|
| 779534 | aquatherm grey pipe-pipe connection 16 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm | 1 | |
| 779536 | aquatherm grey pipe-pipe connection 20 x 2,0 mm radiator connection 15 x 1,0 mm height = 350 mm | 1 | |



with sliding sleeve connections including sliding sleeves
Material: copper nickel-plated

aquatherm grey pipe - RADIATOR CONNECTING SET

| Art.-No. | Dimension | PU | Price € m/pc |
|---------------|---|----|-----------------|
| 779540 | aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 260 mm length = 200 mm | 1 | |
| 779542 | aquatherm grey pipe-pipe connection and radiator connection 16 x 2,0 mm height= 180 mm length = 200 mm | 1 | |



with sliding sleeve connection including sliding sleeves
Material: PP-R/brass
Pipe spacing: 50 mm
Colour: white



aquatherm black system

HEATING AND COOLING SYSTEM FOR CEILING, WALL AND OTHER APPLICATIONS

An individual's physical well being directly depends on the basic environmental conditions of the surroundings. Working efficiency varies according to temperature with every cooling degree.

In offices, commercial premises, meeting rooms, etc., aquatherm pipe grids have become increasingly more popular for heating and cooling of ceilings and walls.

The ingenious aquatherm aquatherm black delivers pleasant room conditions without noise and forced air movement. With this technology cooling or heating is simply controllable. Automatic designed change-over of heated or chilled water completes this system; allowing for individual room control within a building management system.

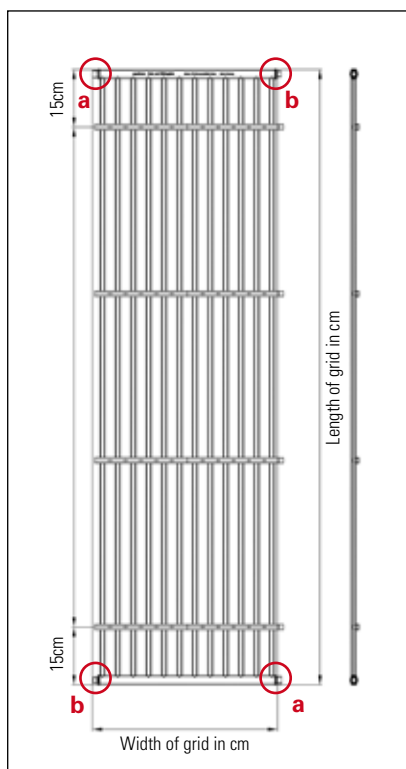
ADVANTAGES:

- ▶ For wet and dry construction
- ▶ 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
- ▶ Push-fit connection for ceiling elements
- ▶ Oxygen barrier
- ▶ Minimal construction thickness
- ▶ Greater architectural design freedom
- ▶ Energy saving

aquatherm-aquatherm black is exclusively made from fusiolen® PP-R. The exceptional good welding properties and fusion, result in an homogeneous unit, offering a maximum in security and life span. aquatherm black is connected by fusion welding. The pipe grids can be welded directly in parallel as well as with series connection.

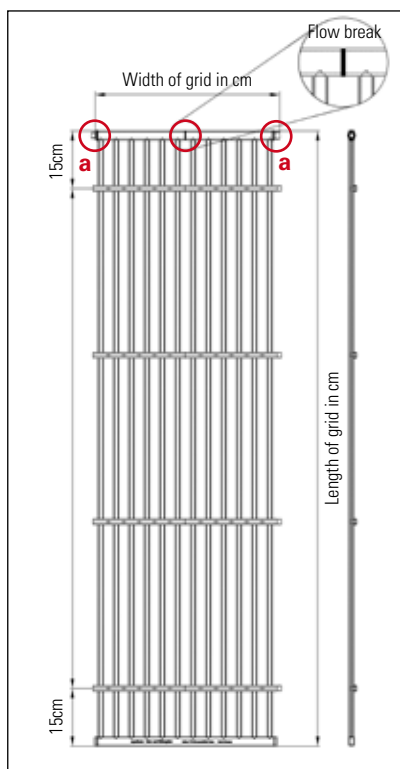


TYPES OF CONNECTION aquatherm black system - HEATING AND COOLING GRIDS



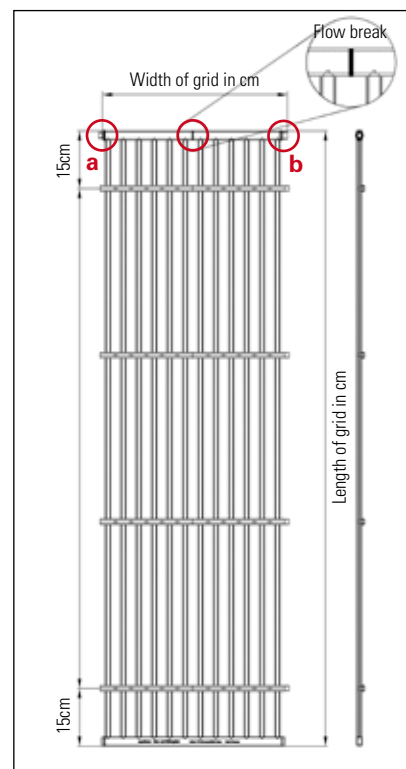
Connection type 50 = side by side welded connections

- a** Welding socket 16mm
- b** Welding nozzle 16mm



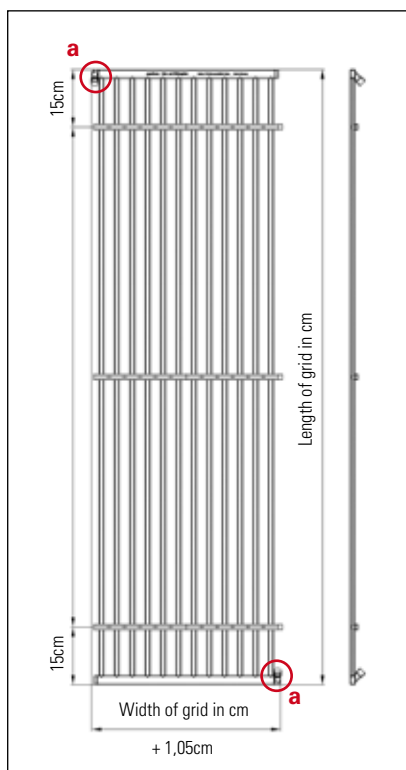
Connection type 64 = welded connection left, right

- a** Welding socket 16mm



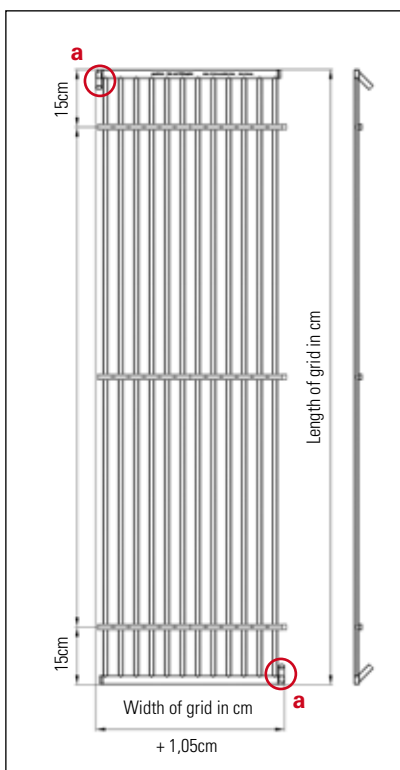
Connection type 65 = welded connection female, left / welded connection male, right

- a** welded connection female 16 mm
- b** welded connection male 16 mm



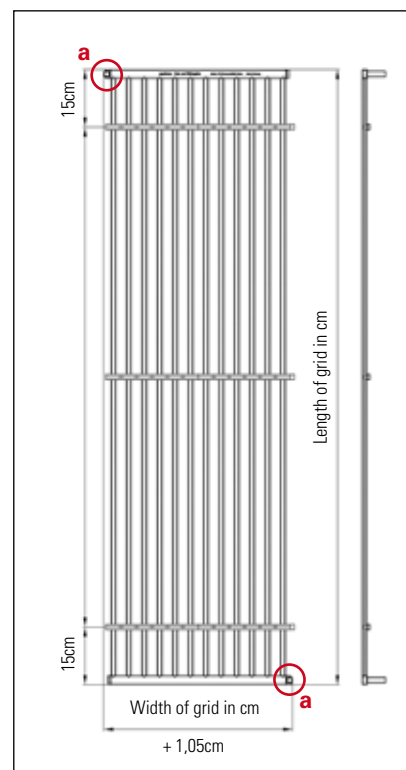
Connection type 59 = welded connection 45° top left, lower right

- a** Welding socket 16mm



Connection type 51 = plug connection 45° top left, lower right

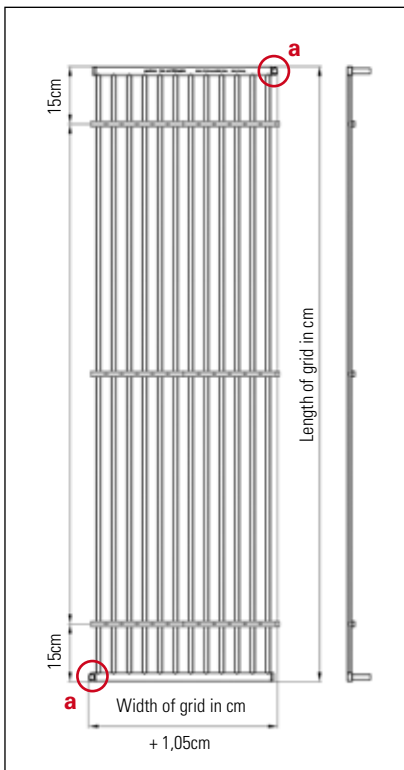
- a** plug socket 16mm



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

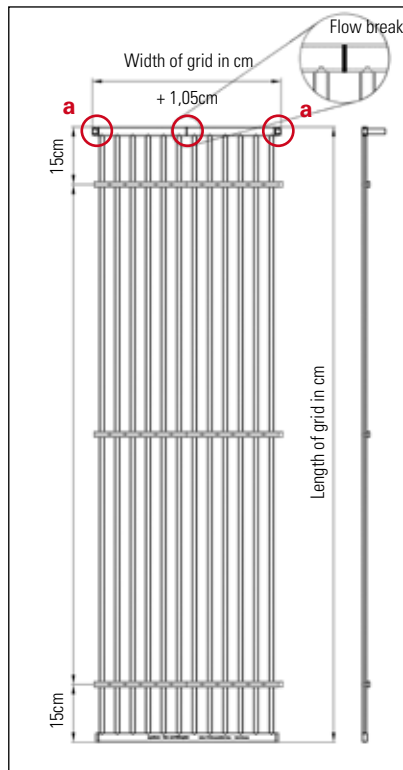
- a** plug socket 16mm

TYPES OF CONNECTION aquatherm black system - HEATING AND COOLING GRIDS



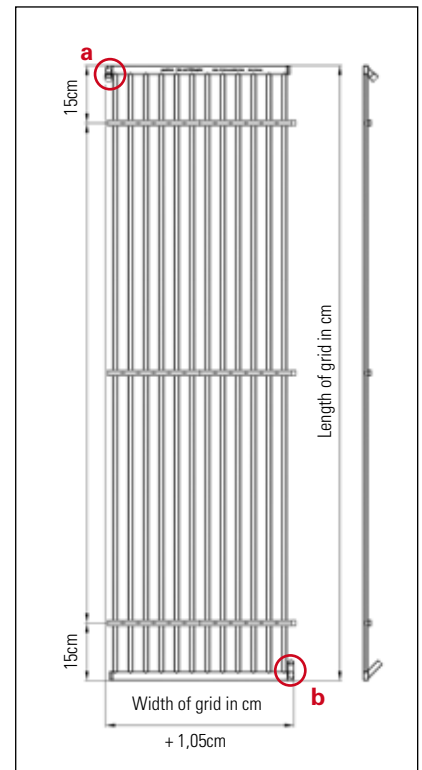
Connection type 53 = plug connection 90° top right, lower left

a plug socket 16mm



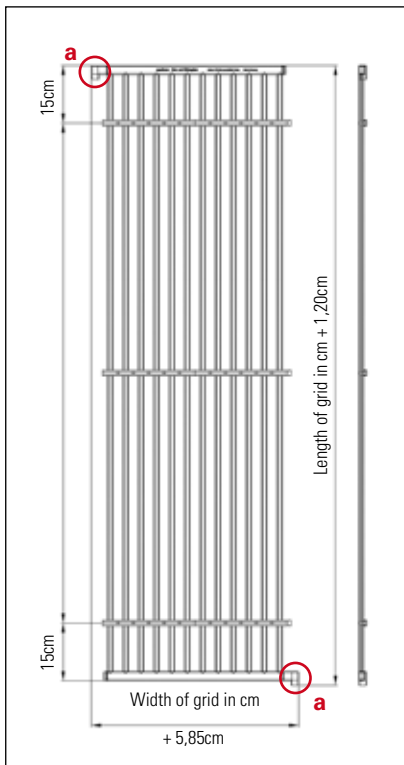
Connection type 62 = plug connection 90° links, rechts

a plug socket 16mm



Connection type 58 = welded connection 45° top left, plug connection 45° lower right

a welding socket 16mm
b plug socket 16mm



Connection type 56 = welded connection 90° top left, lower right

a welding socket 16mm

Connection types of the grids

- 50 = DD Welding connection AX
- 64 = DD Welding connection LR with flow break
- 65 = DD Welding connection LR with flow break
- 59 = 45° Welding connection TL /LR
- 51 = 45° Plug connection TL/LR
- 52 = 90° Plug connection TL/LR
- 53 = 90° Plug connection TR/LL
- 62 = 90° Plug connection LR with flow break
- 58 = 45° Welding connection TL / Plug connection LR

56 = Weldable connecting elbow TL/LR*

L=lower, T=top, L=left, R=right, AX=axial
Special sizes on request

| Width of grids | | Length of grids | |
|----------------|--------|-----------------|--|
| 24 cm | 40 cm | 225 cm | |
| 28 cm | 50 cm | 250 cm | |
| 32 cm | 60 cm | 275 cm | |
| 36 cm | 70 cm | 300 cm | |
| 40 cm | 80 cm | 325 cm | |
| 48 cm | 90 cm | 350 cm | |
| 56 cm | 100 cm | 375 cm | |
| 60 cm | 120 cm | 400 cm | |
| 68 cm | 140 cm | 425 cm | |
| 80 cm | 160 cm | 450 cm | |
| 100 cm | 180 cm | 475 cm | |
| | 200 cm | 500 cm | |

Composition of the Article-numbers:

59 40 120

- 59** Connection type of the grids
- 40** Width of the grids (number of grid pipes x 4 cm)
- 120** Length of the grids (total length in cm)

Please consider the differing composition of the article number of the connection type 56:

56 62 200

- 56** Connection type of the grids
- 62** Connection internal piping (62 = PP-R 16 mm, weldable) (63 = SHT-sliding sleeve technique)

The width of the cement board is always 62,5 cm

- 200** Length of gypsum plaster board (050 = Length 50 cm) (100 = Length 100 cm) (200 = Length 200 cm)

aquatherm black system - HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

| Art.-No. | Wide/m | Length/m | Area/m ² | PU | Price € m/pc |
|----------|--------|----------|---------------------|----|-----------------|
| 5024050 | 0,24 | 0,50 | 0,12 | 1 | |
| 5024060 | 0,24 | 0,60 | 0,14 | 1 | |
| 5024070 | 0,24 | 0,70 | 0,17 | 1 | |
| 5024080 | 0,24 | 0,80 | 0,19 | 1 | |
| 5024090 | 0,24 | 0,90 | 0,22 | 1 | |
| 5024100 | 0,24 | 1,00 | 0,24 | 1 | |
| 5024120 | 0,24 | 1,20 | 0,29 | 1 | |
| 5024140 | 0,24 | 1,40 | 0,34 | 1 | |
| 5024160 | 0,24 | 1,60 | 0,38 | 1 | |
| 5024180 | 0,24 | 1,80 | 0,43 | 1 | |
| 5024200 | 0,24 | 2,00 | 0,48 | 1 | |
| 5024225 | 0,24 | 2,25 | 0,54 | 1 | |
| 5024250 | 0,24 | 2,50 | 0,60 | 1 | |
| 5024275 | 0,24 | 2,75 | 0,66 | 1 | |
| 5024300 | 0,24 | 3,00 | 0,72 | 1 | |
| 5024325 | 0,24 | 3,25 | 0,78 | 1 | |
| 5024350 | 0,24 | 3,50 | 0,84 | 1 | |
| 5024375 | 0,24 | 3,75 | 0,90 | 1 | |
| 5024400 | 0,24 | 4,00 | 0,96 | 1 | |
| 5024425 | 0,24 | 4,25 | 1,02 | 1 | |
| 5024450 | 0,24 | 4,50 | 1,08 | 1 | |
| 5024475 | 0,24 | 4,75 | 1,14 | 1 | |
| 5024500 | 0,24 | 5,00 | 1,20 | 1 | |
| 5028050 | 0,28 | 0,50 | 0,14 | 1 | |
| 5028060 | 0,28 | 0,60 | 0,17 | 1 | |
| 5028070 | 0,28 | 0,70 | 0,20 | 1 | |
| 5028080 | 0,28 | 0,80 | 0,22 | 1 | |
| 5028090 | 0,28 | 0,90 | 0,25 | 1 | |
| 5028100 | 0,28 | 1,00 | 0,28 | 1 | |
| 5028120 | 0,28 | 1,20 | 0,34 | 1 | |
| 5028140 | 0,28 | 1,40 | 0,39 | 1 | |
| 5028160 | 0,28 | 1,60 | 0,45 | 1 | |
| 5028180 | 0,28 | 1,80 | 0,50 | 1 | |
| 5028200 | 0,28 | 2,00 | 0,56 | 1 | |
| 5028225 | 0,28 | 2,25 | 0,63 | 1 | |
| 5028250 | 0,28 | 2,50 | 0,70 | 1 | |
| 5028275 | 0,28 | 2,75 | 0,77 | 1 | |
| 5028300 | 0,28 | 3,00 | 0,84 | 1 | |
| 5028325 | 0,28 | 3,25 | 0,91 | 1 | |
| 5028350 | 0,28 | 3,50 | 0,98 | 1 | |
| 5028375 | 0,28 | 3,75 | 1,05 | 1 | |
| 5028400 | 0,28 | 4,00 | 1,12 | 1 | |
| 5028425 | 0,28 | 4,25 | 1,19 | 1 | |
| 5028450 | 0,28 | 4,50 | 1,26 | 1 | |
| 5028475 | 0,28 | 4,75 | 1,33 | 1 | |
| 5028500 | 0,28 | 5,00 | 1,40 | 1 | |
| 5032050 | 0,32 | 0,50 | 0,16 | 1 | |
| 5032060 | 0,32 | 0,60 | 0,19 | 1 | |



Attention:

As mentioned on page 113 & 114 all grids are available in the mentioned connection types at same prices. Simply replace the first two figures of the article number („50“...) with those of the required type of connection (i. e. „51“....).

Special size on request!

aquatherm black system - HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

| Art.-No. | Wide/m | Length/m | Area/m ² | PU | Price € m/pc |
|----------|--------|----------|---------------------|----|-----------------|
| 5032070 | 0,32 | 0,70 | 0,22 | 1 | |
| 5032080 | 0,32 | 0,80 | 0,26 | 1 | |
| 5032090 | 0,32 | 0,90 | 0,29 | 1 | |
| 5032100 | 0,32 | 1,00 | 0,32 | 1 | |
| 5032120 | 0,32 | 1,20 | 0,38 | 1 | |
| 5032140 | 0,32 | 1,40 | 0,45 | 1 | |
| 5032160 | 0,32 | 1,60 | 0,51 | 1 | |
| 5032180 | 0,32 | 1,80 | 0,58 | 1 | |
| 5032200 | 0,32 | 2,00 | 0,64 | 1 | |
| 5032225 | 0,32 | 2,25 | 0,72 | 1 | |
| 5032250 | 0,32 | 2,50 | 0,80 | 1 | |
| 5032275 | 0,32 | 2,75 | 0,88 | 1 | |
| 5032300 | 0,32 | 3,00 | 0,96 | 1 | |
| 5032325 | 0,32 | 3,25 | 1,04 | 1 | |
| 5032350 | 0,32 | 3,50 | 1,12 | 1 | |
| 5032375 | 0,32 | 3,75 | 1,20 | 1 | |
| 5032400 | 0,32 | 4,00 | 1,28 | 1 | |
| 5032425 | 0,32 | 4,25 | 1,36 | 1 | |
| 5032450 | 0,32 | 4,50 | 1,44 | 1 | |
| 5032475 | 0,32 | 4,75 | 1,52 | 1 | |
| 5032500 | 0,32 | 5,00 | 1,60 | 1 | |
| 5036050 | 0,36 | 0,50 | 0,18 | 1 | |
| 5036060 | 0,36 | 0,60 | 0,22 | 1 | |
| 5036070 | 0,36 | 0,70 | 0,25 | 1 | |
| 5036080 | 0,36 | 0,80 | 0,29 | 1 | |
| 5036090 | 0,36 | 0,90 | 0,32 | 1 | |
| 5036100 | 0,36 | 1,00 | 0,36 | 1 | |
| 5036120 | 0,36 | 1,20 | 0,43 | 1 | |
| 5036140 | 0,36 | 1,40 | 0,50 | 1 | |
| 5036160 | 0,36 | 1,60 | 0,58 | 1 | |
| 5036180 | 0,36 | 1,80 | 0,65 | 1 | |
| 5036200 | 0,36 | 2,00 | 0,72 | 1 | |
| 5036225 | 0,36 | 2,25 | 0,81 | 1 | |
| 5036250 | 0,36 | 2,50 | 0,90 | 1 | |
| 5036275 | 0,36 | 2,75 | 0,99 | 1 | |
| 5036300 | 0,36 | 3,00 | 1,08 | 1 | |
| 5036325 | 0,36 | 3,25 | 1,17 | 1 | |
| 5036350 | 0,36 | 3,50 | 1,26 | 1 | |
| 5036375 | 0,36 | 3,75 | 1,35 | 1 | |
| 5036400 | 0,36 | 4,00 | 1,44 | 1 | |
| 5036425 | 0,36 | 4,25 | 1,53 | 1 | |
| 5036450 | 0,36 | 4,50 | 1,62 | 1 | |
| 5036475 | 0,36 | 4,75 | 1,71 | 1 | |
| 5036500 | 0,36 | 5,00 | 1,80 | 1 | |



Attention:

As mentioned on page 113 & 114 all grids are available in the mentioned connection types at same prices. Simply replace the first two figures of the article number („50“ ...) with those of the required type of connection (i. e. „51“....).

Special size on request!

aquatherm black system - HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

| Art.-No. | Wide/m | Length/m | Area/m ² | PU | Price € m/pc |
|----------|--------|----------|---------------------|----|-----------------|
| 5040050 | 0,40 | 0,50 | 0,20 | 1 | |
| 5040060 | 0,40 | 0,60 | 0,24 | 1 | |
| 5040070 | 0,40 | 0,70 | 0,28 | 1 | |
| 5040080 | 0,40 | 0,80 | 0,32 | 1 | |
| 5040090 | 0,40 | 0,90 | 0,36 | 1 | |
| 5040100 | 0,40 | 1,00 | 0,40 | 1 | |
| 5040120 | 0,40 | 1,20 | 0,48 | 1 | |
| 5040140 | 0,40 | 1,40 | 0,56 | 1 | |
| 5040160 | 0,40 | 1,60 | 0,64 | 1 | |
| 5040180 | 0,40 | 1,80 | 0,72 | 1 | |
| 5040200 | 0,40 | 2,00 | 0,80 | 1 | |
| 5040225 | 0,40 | 2,25 | 0,90 | 1 | |
| 5040250 | 0,40 | 2,50 | 1,00 | 1 | |
| 5040275 | 0,40 | 2,75 | 1,10 | 1 | |
| 5040300 | 0,40 | 3,00 | 1,20 | 1 | |
| 5040325 | 0,40 | 3,25 | 1,30 | 1 | |
| 5040350 | 0,40 | 3,50 | 1,40 | 1 | |
| 5040375 | 0,40 | 3,75 | 1,50 | 1 | |
| 5040400 | 0,40 | 4,00 | 1,60 | 1 | |
| 5040425 | 0,40 | 4,25 | 1,70 | 1 | |
| 5040450 | 0,40 | 4,50 | 1,80 | 1 | |
| 5040475 | 0,40 | 4,75 | 1,90 | 1 | |
| 5040500 | 0,40 | 5,00 | 2,00 | 1 | |
| 5048050 | 0,48 | 0,50 | 0,24 | 1 | |
| 5048060 | 0,48 | 0,60 | 0,29 | 1 | |
| 5048070 | 0,48 | 0,70 | 0,34 | 1 | |
| 5048080 | 0,48 | 0,80 | 0,38 | 1 | |
| 5048090 | 0,48 | 0,90 | 0,43 | 1 | |
| 5048100 | 0,48 | 1,00 | 0,48 | 1 | |
| 5048120 | 0,48 | 1,20 | 0,58 | 1 | |
| 5048140 | 0,48 | 1,40 | 0,67 | 1 | |
| 5048160 | 0,48 | 1,60 | 0,77 | 1 | |
| 5048180 | 0,48 | 1,80 | 0,86 | 1 | |
| 5048200 | 0,48 | 2,00 | 0,96 | 1 | |
| 5048225 | 0,48 | 2,25 | 1,08 | 1 | |
| 5048250 | 0,48 | 2,50 | 1,20 | 1 | |
| 5048275 | 0,48 | 2,75 | 1,32 | 1 | |
| 5048300 | 0,48 | 3,00 | 1,44 | 1 | |
| 5048325 | 0,48 | 3,25 | 1,56 | 1 | |
| 5048350 | 0,48 | 3,50 | 1,68 | 1 | |
| 5048375 | 0,48 | 3,75 | 1,80 | 1 | |
| 5048400 | 0,48 | 4,00 | 1,92 | 1 | |
| 5048425 | 0,48 | 4,25 | 2,04 | 1 | |
| 5048450 | 0,48 | 4,50 | 2,16 | 1 | |
| 5048475 | 0,48 | 4,75 | 2,28 | 1 | |
| 5048500 | 0,48 | 5,00 | 2,40 | 1 | |
| 5056050 | 0,56 | 0,50 | 0,28 | 1 | |
| 5056060 | 0,56 | 0,60 | 0,34 | 1 | |



Attention:

As mentioned on page 113 & 114 all grids are available in the mentioned connection types at same prices. Simply replace the first two figures of the article number („50“...) with those of the required type of connection (i. e. „51“....).

Special size on request!

aquatherm black system - HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

| Art.-No. | Wide/m | Length/m | Area/m ² | PU | Price € m/pc |
|----------|--------|----------|---------------------|----|-----------------|
| 5056070 | 0,56 | 0,70 | 0,39 | 1 | |
| 5056080 | 0,56 | 0,80 | 0,45 | 1 | |
| 5056090 | 0,56 | 0,90 | 0,50 | 1 | |
| 5056100 | 0,56 | 1,00 | 0,56 | 1 | |
| 5056120 | 0,56 | 1,20 | 0,67 | 1 | |
| 5056140 | 0,56 | 1,40 | 0,78 | 1 | |
| 5056160 | 0,56 | 1,60 | 0,90 | 1 | |
| 5056180 | 0,56 | 1,80 | 1,01 | 1 | |
| 5056200 | 0,56 | 2,00 | 1,12 | 1 | |
| 5056225 | 0,56 | 2,25 | 1,26 | 1 | |
| 5056250 | 0,56 | 2,50 | 1,40 | 1 | |
| 5056275 | 0,56 | 2,75 | 1,54 | 1 | |
| 5056300 | 0,56 | 3,00 | 1,68 | 1 | |
| 5056325 | 0,56 | 3,25 | 1,82 | 1 | |
| 5056350 | 0,56 | 3,50 | 1,96 | 1 | |
| 5056375 | 0,56 | 3,75 | 2,10 | 1 | |
| 5056400 | 0,56 | 4,00 | 2,24 | 1 | |
| 5056425 | 0,56 | 4,25 | 2,38 | 1 | |
| 5056450 | 0,56 | 4,50 | 2,52 | 1 | |
| 5056475 | 0,56 | 4,75 | 2,66 | 1 | |
| 5056500 | 0,56 | 5,00 | 2,80 | 1 | |
| 5060050 | 0,60 | 0,50 | 0,30 | 1 | |
| 5060060 | 0,60 | 0,60 | 0,36 | 1 | |
| 5060070 | 0,60 | 0,70 | 0,42 | 1 | |
| 5060080 | 0,60 | 0,80 | 0,48 | 1 | |
| 5060090 | 0,60 | 0,90 | 0,54 | 1 | |
| 5060100 | 0,60 | 1,00 | 0,60 | 1 | |
| 5060120 | 0,60 | 1,20 | 0,72 | 1 | |
| 5060140 | 0,60 | 1,40 | 0,84 | 1 | |
| 5060160 | 0,60 | 1,60 | 0,96 | 1 | |
| 5060180 | 0,60 | 1,80 | 1,08 | 1 | |
| 5060200 | 0,60 | 2,00 | 1,20 | 1 | |
| 5060225 | 0,60 | 2,25 | 1,35 | 1 | |
| 5060250 | 0,60 | 2,50 | 1,50 | 1 | |
| 5060275 | 0,60 | 2,75 | 1,65 | 1 | |
| 5060300 | 0,60 | 3,00 | 1,80 | 1 | |
| 5060325 | 0,60 | 3,25 | 1,95 | 1 | |
| 5060350 | 0,60 | 3,50 | 2,10 | 1 | |
| 5060375 | 0,60 | 3,75 | 2,25 | 1 | |
| 5060400 | 0,60 | 4,00 | 2,40 | 1 | |
| 5060425 | 0,60 | 4,25 | 2,55 | 1 | |
| 5060450 | 0,60 | 4,50 | 2,70 | 1 | |
| 5060475 | 0,60 | 4,75 | 2,85 | 1 | |
| 5060500 | 0,60 | 5,00 | 3,00 | 1 | |
| 5068050 | 0,68 | 0,50 | 0,34 | 1 | |
| 5068060 | 0,68 | 0,60 | 0,41 | 1 | |
| 5068070 | 0,68 | 0,70 | 0,48 | 1 | |
| 5068080 | 0,68 | 0,80 | 0,54 | 1 | |



Attention:

As mentioned on page 113 & 114 all grids are available in the mentioned connection types at same prices. Simply replace the first two figures of the article number („50“...) with those of the required type of connection (i. e. „51“....).

Special size on request!

aquatherm black system- HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

| Art.-No. | Wide/m | Length/m | Area/m ² | PU | Price € m/pc |
|----------|--------|----------|---------------------|----|-----------------|
| 5068090 | 0,68 | 0,90 | 0,61 | 1 | |
| 5068100 | 0,68 | 1,00 | 0,68 | 1 | |
| 5068120 | 0,68 | 1,20 | 0,82 | 1 | |
| 5068140 | 0,68 | 1,40 | 0,95 | 1 | |
| 5068160 | 0,68 | 1,60 | 1,09 | 1 | |
| 5068180 | 0,68 | 1,80 | 1,22 | 1 | |
| 5068200 | 0,68 | 2,00 | 1,36 | 1 | |
| 5068225 | 0,68 | 2,25 | 1,53 | 1 | |
| 5068250 | 0,68 | 2,50 | 1,70 | 1 | |
| 5068275 | 0,68 | 2,75 | 1,87 | 1 | |
| 5068300 | 0,68 | 3,00 | 2,04 | 1 | |
| 5068325 | 0,68 | 3,25 | 2,21 | 1 | |
| 5068350 | 0,68 | 3,50 | 2,38 | 1 | |
| 5068375 | 0,68 | 3,75 | 2,55 | 1 | |
| 5068400 | 0,68 | 4,00 | 2,72 | 1 | |
| 5068425 | 0,68 | 4,25 | 2,89 | 1 | |
| 5068450 | 0,68 | 4,50 | 3,06 | 1 | |
| 5068475 | 0,68 | 4,75 | 3,23 | 1 | |
| 5068500 | 0,68 | 5,00 | 3,40 | 1 | |
| 5080050 | 0,80 | 0,50 | 0,40 | 1 | |
| 5080060 | 0,80 | 0,60 | 0,48 | 1 | |
| 5080070 | 0,80 | 0,70 | 0,56 | 1 | |
| 5080080 | 0,80 | 0,80 | 0,64 | 1 | |
| 5080090 | 0,80 | 0,90 | 0,72 | 1 | |
| 5080100 | 0,80 | 1,00 | 0,80 | 1 | |
| 5080120 | 0,80 | 1,20 | 0,96 | 1 | |
| 5080140 | 0,80 | 1,40 | 1,12 | 1 | |
| 5080160 | 0,80 | 1,60 | 1,28 | 1 | |
| 5080180 | 0,80 | 1,80 | 1,44 | 1 | |
| 5080200 | 0,80 | 2,00 | 1,60 | 1 | |
| 5080225 | 0,80 | 2,25 | 1,80 | 1 | |
| 5080250 | 0,80 | 2,50 | 2,00 | 1 | |
| 5080275 | 0,80 | 2,75 | 2,20 | 1 | |
| 5080300 | 0,80 | 3,00 | 2,40 | 1 | |
| 5080325 | 0,80 | 3,25 | 2,60 | 1 | |
| 5080350 | 0,80 | 3,50 | 2,80 | 1 | |
| 5080375 | 0,80 | 3,75 | 3,00 | 1 | |
| 5080400 | 0,80 | 4,00 | 3,20 | 1 | |
| 5080425 | 0,80 | 4,25 | 3,40 | 1 | |
| 5080450 | 0,80 | 4,50 | 3,60 | 1 | |
| 5080475 | 0,80 | 4,75 | 3,80 | 1 | |
| 5080500 | 0,80 | 5,00 | 4,00 | 1 | |
| 5000050 | 1,00 | 0,50 | 0,50 | 1 | |
| 5000060 | 1,00 | 0,60 | 0,60 | 1 | |
| 5000070 | 1,00 | 0,70 | 0,70 | 1 | |
| 5000080 | 1,00 | 0,80 | 0,80 | 1 | |
| 5000090 | 1,00 | 0,90 | 0,90 | 1 | |
| 5000100 | 1,00 | 1,00 | 1,00 | 1 | |



Attention:

As mentioned on page 113 & 114 all grids are available in the mentioned connection types at same prices. Simply replace the first two figures of the article number („50“...) with those of the required type of connection (i. e. „51“....).

Special size on request!

aquatherm black system - HEATING AND COOLING GRIDS

with oxygen barrier, with lateral welding connection (including proportionate number of wall brackets and fixing rails)

| Art.-No. | Wide/m | Length/m | Area/m ² | PU | Price € m/pc |
|----------|--------|----------|---------------------|----|-----------------|
| 5000120 | 1,00 | 1,20 | 1,20 | 1 | |
| 5000140 | 1,00 | 1,40 | 1,40 | 1 | |
| 5000160 | 1,00 | 1,60 | 1,60 | 1 | |
| 5000180 | 1,00 | 1,80 | 1,80 | 1 | |
| 5000200 | 1,00 | 2,00 | 2,00 | 1 | |
| 5000225 | 1,00 | 2,25 | 2,25 | 1 | |
| 5000250 | 1,00 | 2,50 | 2,50 | 1 | |
| 5000275 | 1,00 | 2,75 | 2,75 | 1 | |
| 5000300 | 1,00 | 3,00 | 3,00 | 1 | |
| 5000325 | 1,00 | 3,25 | 3,25 | 1 | |
| 5000350 | 1,00 | 3,50 | 3,50 | 1 | |
| 5000375 | 1,00 | 3,75 | 3,75 | 1 | |
| 5000400 | 1,00 | 4,00 | 4,00 | 1 | |
| 5000425 | 1,00 | 4,25 | 4,25 | 1 | |
| 5000450 | 1,00 | 4,50 | 4,50 | 1 | |
| 5000475 | 1,00 | 4,75 | 4,75 | 1 | |
| 5000500 | 1,00 | 5,00 | 5,00 | 1 | |



Attention:

As mentioned on page 113 & 114 all grids are available in the mentioned connection types at same prices. Simply replace the first two figures of the article number („50“ ...) with those of the required type of connection (i. e. „51“).

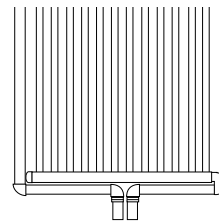
Special size on request!

aquatherm black system - DRY WALL HEATING ELEMENT

oxygen-tight, with pipe nozzle for welding connection

| Art.-No. | Dimension | Dimension of the grids | PU | Price € m/pc |
|----------|---------------|------------------------|----|-----------------|
| 5662050 | 62,5 x 50 cm | 48 cm x 45 cm | 2 | |
| 5662100 | 62,5 x 100 cm | 48 cm x 87 cm | 2 | |
| 5662200 | 62,5 x 200 cm | 48 cm x 187 cm | 2 | |

Connection: PP-R 16 mm, weldable



aquatherm black system - CORRUGATED CONNECTING PIPE

oxygen-tight, weldable, for Art.-No. 5662050-5662200

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|-----------------|
| 81044 | 59,5 cm | 1 | |

with twosided 90° elbow

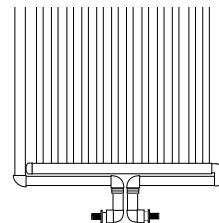


aquatherm black system - DRY WALL HEATING ELEMENT

oxygen tight, with aquatherm grey pipe connection

| Art.-No. | Dimension | Dimension of the grids | PU | Price € m/pc |
|----------|---------------|------------------------|----|-----------------|
| 5663050 | 62,5 x 50 cm | 48 cm x 45 cm | 2 | |
| 5663100 | 62,5 x 100 cm | 48 cm x 87 cm | 2 | |
| 5663200 | 62,5 x 200 cm | 48 cm x 187 cm | 2 | |

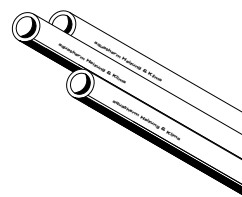
Connection: aquatherm grey pipe- sliding sleeve technology



aquatherm black system - PP-GRID CONNECTION PIPE

with oxygen barrier, in 2,5 m lengths

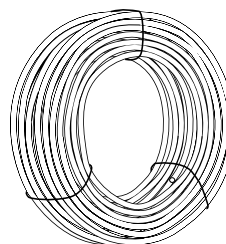
| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81006 | 16 mm | 50 | |
| 81008 | 20 mm | 50 | |



aquatherm black system - PP-GRID CONNECTION PIPE

with oxygen barrier, in ring

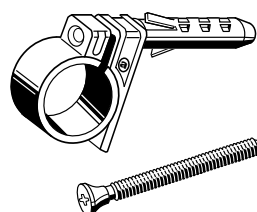
| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|-----|-----------------|
| 81026 | 16 mm | 100 | |
| 81028 | 20 mm | 100 | |



PLASTIC PIPE CLAMPS

| Art.-No. | For pipe dimension | PU | Price € m/pc |
|--------------|--------------------|-----------|-----------------|
| 60716 | 16 mm | 50 | |
| 60720 | 20 mm | 50 | |

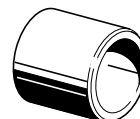
Colour: antrazit



aquatherm black system - SOCKET

for heating and cooling grids

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81050 | 16 mm | 10 | |



aquatherm black system - ELBOW 90°

for heating and cooling grids

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81060 | 16 mm | 10 | |



aquatherm black system- END CAP

for heating and cooling grids

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81080 | 16 mm | 10 | |



aquatherm black system - ELBOW 90°

male/female

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81065 | 16 mm | 10 | |

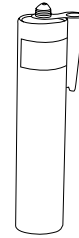


aquatherm black system - JOINT ADHESIVE

for aquatherm black system - dry wall heating element

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|----------------------|----|-----------------|
| 81003 | for 310 mm cartridge | 1 | |

The Fermacell-joint adhesive and further Fermacell products (drywall screws etc.) may be purchased directly at wholesale.



aquatherm black system - FIXING RAIL

for heating and cooling grids

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|----------------|----|-----------------|
| 81506 | Length = 24 cm | 10 | |



aquatherm black system - WALL BRACKET

for heating and cooling grids

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81296 | | 10 | |



aquatherm black system - FIXING RAIL FOR DRY WALL

for heating and cooling grids

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81297 | | 10 | |

Please note, when ordering the fixing rail for drywall art.-no. 81297, that for each rail two cable ties with the art.-no. 99086 have to be ordered.



aquatherm black system - FIXING CLAMP WITH WALL PLUG

for wall and ceiling installation

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81298 | | 10 | |



aquatherm black system - HEATING AND COOLING GRID FOR CEILING PANELS

with oxygen barrier, with plug connection on side

| Art.-No. | Dimension | PU | Price € m/pc |
|----------------|-----------------------------------|----|-----------------|
| 5160061 | for ceiling panels 62,5 x 62,5 cm | 10 | |
| 5156058 | for ceiling panels 60 x 60 cm | 10 | |

Special size on request!



aquatherm black system - CORRUGATED CONNECTING PIPE

with oxygen barrier, in ring

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81039 | | 50 | |

Connectable by welding with Art. 81288, 81289, 81290, 81291 separable every 25 cm

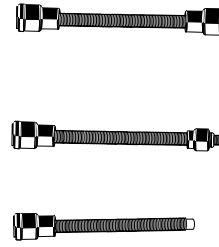


aquatherm black system - CORRUGATED CONNECTING PIPE

with oxygen barrier, for Art.-No. 5161061 and 5156058

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|---|----|--------------|
| 81040 | Length= 57 cm double sided push-fit connection | 10 | |
| 81041 | Length = 57 cm, one-sided push-fit connection, one sided aquatherm grey pipe 16 mm | 10 | |
| 81042 | Length = 57 cm, one sided push-fit connection, one sided PP-R 16 mm weldable | 10 | |

with safety pin



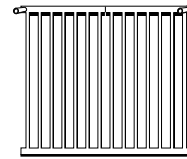
aquatherm black system - HEATING AND COOLING GRID FOR CEILING PANELS

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

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|---|----|--------------|
| 6256060 | for ceiling panels 62,5 x 62,5 weldable | 1 | |
| 6256056 | for ceiling panels 60,0 x 60,0 weldable | 1 | |
| 6252056 | for ceiling panels 60,0 x 60,0 push-fit connection | 1 | |
| 6256120 | for ceiling panels 62,5 x 125,0 push-fit connection | 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!

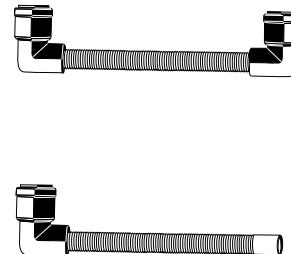


aquatherm black system - CORRUGATED CONNECTING PIPE

with oxygen barrier, for connection types 52, 53 and 62

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|---|----|--------------|
| 81030 | L 1,25m with elbow double sided push-fit connection | 1 | |
| 81031 | L 0,5m with elbow push-fit connection/weldable | 1 | |
| 81032 | L 0,5m with elbow double sided push-fit connection | 1 | |
| 81033 | L 1,25 m double sided push-fit connection | | |
| 81034 | L 1,25 m with elbow push-fit connection / on one side rotated by 90° | | |
| 81035 | L 1,5m with elbow double sided push-fit connection | 1 | |
| 81036 | L 1,75m with elbow double sided push-fit connection | 1 | |

with safety pin



aquatherm black system - THERMOGRAPHY FILM

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

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-------------|----|--------------|
| 50186 | 160 x 70 mm | 1 | |

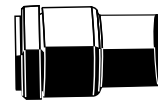


aquatherm black system - CONNECTOR

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

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81288 | 16 mm | 20 | |

with safety pin

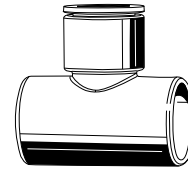


aquatherm black system - T-ADAPTER

passage PP-R weldable / branch 16 mm pluggable

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------------|----|-----------------|
| 81289 | 25 x 16 x 25 mm | 10 | |

with safety pin

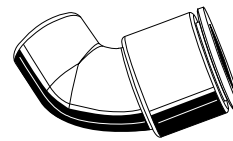


aquatherm black system - 90° ELBOW-ADAPTER

onesided pluggable / onesided PP-R 16 mm weldable

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81290 | 16 mm | 10 | |

with safety pin

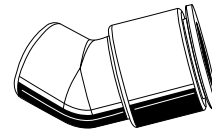


aquatherm black system - 45° ELBOW-ADAPTER

onesided pluggable / onesided PP-R 16 mm weldable

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81291 | 16 mm | 10 | |

with safety pin



aquatherm black system - SEALING PLUG

for wall and ceiling grids

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81091 | 12 mm | 10 | |

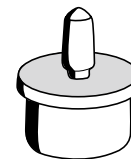
welding tool for sealing plug Art.-No. 50285 see tools



aquatherm black system - PP-R MALE END PLUG

for heating and cooling grids - type of connection: 50

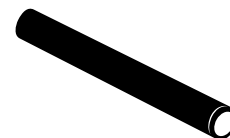
| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 81092 | 16 mm | 50 | |



aquatherm black system - DOUBLE SOCKET

calibrated pipe nipple for connection of plug adapter

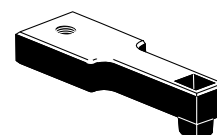
| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|---------------------------|----|-----------------|
| 81093 | 16 x 2 mm, Length: 150 mm | | |



aquatherm black system - WELDING TOOL

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 50285 | | 1 | |

for sealing plug Art.-No. 81091





aquatherm orange system

HEATING AND CHILLED SYSTEMS

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

Constant development on the technical know-how and the great experience gained in the field of underfloor heating installations in different projects over years, have led to the fact, that aquatherm is always one step ahead, also in special applications.

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

- underfloor heating systems
- wall heating systems / chilled applications
- heating systems for renovations and new buildings
- open space heating
- industrial floor heating
- sports floor heating
- under-soil heating
- agricultural applications



Flexible sports floor



Open space heating



Industrial floor heating



Chilled area, ice stadium



Underfloor heating living area



Undersoil pitch heating

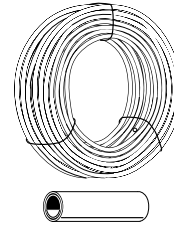


aquatherm orange system - SURFACE HEATING AND RADIATOR CONNECTING PIPE (PE-RT)

with oxygen barrier according to DIN

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|--------------|-----|-----------------|
| 90020 | 10 x 1,25 mm | 250 | |
| 90024 | 14 x 2,0 mm | 250 | |
| 90034 | 14 x 2,0 mm | 500 | |
| 90026 | 16 x 2,0 mm | 250 | |
| 90036 | 16 x 2,0 mm | 500 | |
| 90027 | 17 x 2,0 mm | 250 | |
| 90037 | 17 x 2,0 mm | 500 | |
| 90028 | 20 x 2,0 mm | 250 | |
| 90038 | 20 x 2,0 mm | 500 | |
| 90030 | 25 x 2,3 mm | 250 | |

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

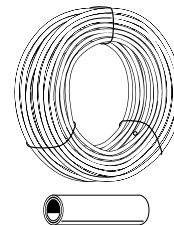


aquatherm orange system - SURFACE HEATING AND RADIATOR CONNECTING PIPE (PB)

with oxygen barrier according to DIN

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-------------|-----|-----------------|
| 90306 | 16 x 2,0 mm | 250 | |
| 90307 | 17 x 2,0 mm | 250 | |
| 90316 | 16 x 2,0 mm | 500 | |
| 90317 | 17 x 2,0 mm | 500 | |

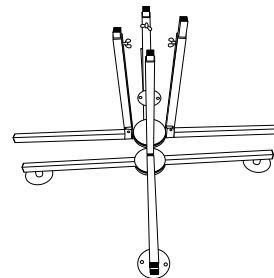
Material: PB with EVOH coating
oxygen barrier according to DIN 4726/4727/16968
Colour: grey



aquatherm orange system - PIPE HASP

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|-----------------|
| 96004 | | 1 | |

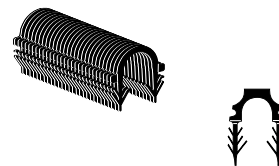
for winding the heating pipe



aquatherm orange system - PIPE CLAMP

| Art.-No. | for pipe dimensions | PU | Price € m/pc |
|----------|---------------------|-----|-----------------|
| 90502 | ø 14-17 mm | 100 | |
| 90504 | ø 14-20 mm tacker | 500 | |

for aquatherm orange system -underfloor heating pipes
Material: Polyamid



aquatherm orange system - TACKER

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|-----------------|
| 96003 | | 1 | |

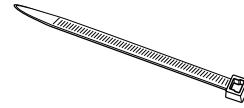
Note: Applicable with Art.- No 90504
for fixing of heating pipe with pipe clips on the aquatherm orange system -system elements



aquatherm orange system - CABLE TIE

for industrial surface heating

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|----------------|-----|-----------------|
| 99086 | Length: 200 mm | 100 | |

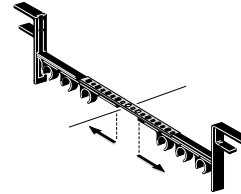


aquatherm orange system - PIPE GUIDING RAIL

for surface flexible sports floor, adjustable in length and height

| Art.-No. | for pipe dimensions | PU | Price € m/pc |
|----------|---------------------|-----|-----------------|
| 90510 | Ø 20 mm | 150 | |

Material: Polyamid



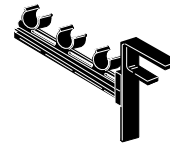
aquatherm orange system - END RAIL

for surface flexible sports floor, adjustable in height

| Art.-No. | for pipe dimensions | PU | Price € m/pc |
|----------|---------------------|----|-----------------|
| 90511 | Ø 20 mm | 20 | |

available only as a part of the complete system

Material: Polyamid

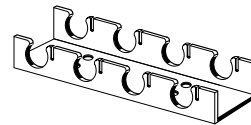


aquatherm orange system - PROFILE RAIL

for wall heating, surface heating and industrial heating

| Art.-No. | for pipe dimensions | PU | Price € m/pc |
|----------|---------------------|----|-----------------|
| 90512 | Ø 10 mm - adhesive | 2 | |
| 90515 | Ø 14 mm - adhesive | 2 | |
| 90517 | Ø 16 mm - adhesive | 2 | |
| 90518 | Ø 20 mm | 2 | |
| 90520 | Ø 25 mm | 2 | |

Material: Polyamid

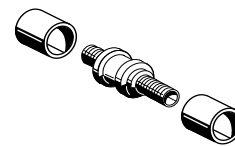


aquatherm orange system - COUPLING

for PE-RT and PB pipes, including sliding sleeve

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|-----------------|
| 95500 | 10 mm | 1 | |
| 79209 | 14 mm | 2 | |
| 79210 | 16 mm | 2 | |
| 95537 | 17 mm | 1 | |
| 79212 | 20 mm | 2 | |
| 79214 | 25 mm | 2 | |

Material: brass

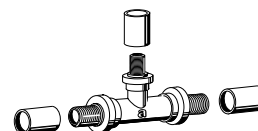


aquatherm orange system - REDUCER TEE

including sliding sleeve

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------------|----|-----------------|
| 95502 | 16 x 10 x 10 mm | 1 | |
| 95504 | 16 x 10 x 16 mm | 1 | |

Material: PPSU

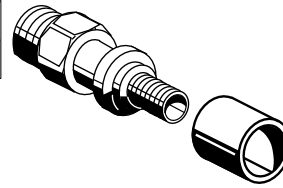


aquatherm orange system - TRANSITION PIECE, MALE

including sliding sleeve

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|---------------------|----|-----------------|
| 95510 | 10 x 1,25 mm x 3/8" | 1 | |
| 95512 | 10 x 1,25 mm x 1/2" | 1 | |

Material: brass



aquatherm orange system - SYSTEM ELEMENT 25

for surface heating

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|------------------------------------|-------------------|-----------------|
| 91039 | L = 1005 mm, W = 750 mm, H = 25 mm | 17 m ² | |

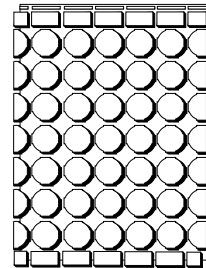
Material: EPS-DEO dh - WLG 035 200kPa with interlocking seam for connecting the plates

– Pipe spacing 125 mm resp. 250 mm for surface heating pipes 14 mm

– Pipe requirement = 8 m/m² with pipe spacing of 125 mm

– Pipe requirement = 4 m/m² with pipe spacing of 250 mm

RλB Dä = 0,714 m² K/W



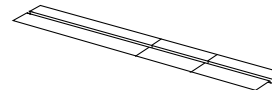
aquatherm orange system - HEAT CONDUCTING STEEL SHEET

for installation into system element TS 25

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|------------------------|----|-----------------|
| 91041 | L = 750 mm, W = 120 mm | 50 | |

Requirement: 10 Pcs/m² pipe spacing 125 mm

5 Pcs/m² pipe spacing 250 mm



aquatherm orange system - SYSTEM ELEMENT KNOB PLATE F ND 11

with deep-drawing foil

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-------------------------------------|-------------------|-----------------|
| 91112 | L = 1000 mm, W = 1000 mm, H = 11 mm | 20 m ² | |

Just for ø14 and ø16 mm pipe

Material: EPS-035-DEO dh

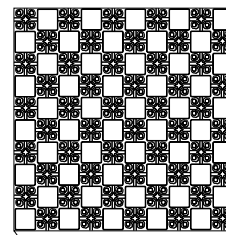
– Knob spacing: 50 mm for installation without pipe clips

– sound insulation

RλB Dä = 0,31 m² K/W

Insulation thickness: = 11 mm

Total thickness including knobs = 30 mm



aquatherm orange system - SYSTEM ELEMENT KNOB PLATE F ND 30-2

with deep-drawing foil

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|---------------------------------------|-------------------|-----------------|
| 91115 | L = 1000 mm, W = 1000 mm, H = 30-2 mm | 10 m ² | |

Just for ø14 and ø16 mm pipe

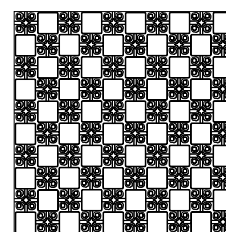
– Knob spacing: 50 mm for installation without pipe clips

– sound insulation

RλB Dä = 0,75 m² K/W

Insulation thickness: = 30 mm

Total thickness including knobs = 49 mm



aquatherm orange system - INSULATION ROLL

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|--------------------------------------|-------------------|-----------------|
| 91033 | L = 10000 mm, W = 1000 mm, H = 30 mm | 10 m ² | |

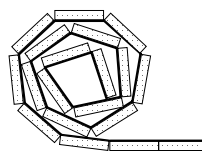
Material: EPS 040 DES sg

with:

- cloth-lined covering layer, protected against corrosion
- imprinted screen for placing
- impact sound insulation $R_{\lambda,B} D_{\dot{a}} = 0,75 \text{ m}^2 \text{ K/W}$

Working load: 5 kPa

Improved impact sound insulation: 30 dB



aquatherm orange system - INSULATION ROLL

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|--------------------------------------|-------------------|-----------------|
| 91035 | L = 10000 mm, W = 1000 mm, H = 35 mm | 10 m ² | |

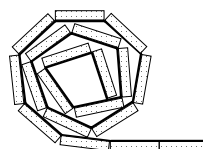
Material: EPS-045-DES sm - DIN 13163

with:

- cloth-lined covering layer, protected against corrosion
- imprinted screen for placing
- impact sound insulation $R_{\lambda,B} D_{\dot{a}} = 0,75 \text{ m}^2 \text{ K/W}$

Working load: 4 kPa

Improved impact sound insulation: 29 dB



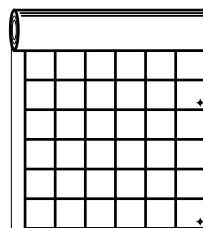
aquatherm orange system - ALUMINIUM FOIL WITH IMPRINTED GRID

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-------------------------|-------------------|-----------------|
| 91210 | W = 1030 m ² | 50 m ² | |

System element consisting of:

- mutual corrosion protection layer
- imprinted screen for placing
- cloth-lined covering layer (acc.to DIN 18560 with min. 30 mm overlap)

For placing of heat and sound insulating plates on-site (hardly flammable) made of polystyrene EPS/DE0/DES



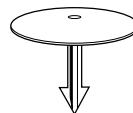
aquatherm orange system - PLASTIC NAIL

for fixing of the system element valutherm aluminium grid foil

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 91102 | | 50 | |

Material: polyamide

Requirement: 2 Pcs/m²

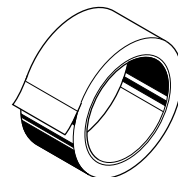


aquatherm orange system - ADHESIVE TAPE

for sealing of joint gaps in system elements

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 91104 | L = 66 m | 1 | |

Requirement 1m/m²

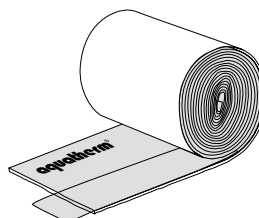


aquatherm orange system - EDGE INSULATION

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------------------------------|----|-----------------|
| 91106 | height = 160 mm, thickness = 8 mm | 25 | |

Material: PE-foam

- very low flammability
- with adhesive strip on the foil



aqualtherm orange system - EXPANSION JOINT SECTION

double-sided overlay

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|--|------|--------------|
| 91107 | height = 100 mm, thickness = 10 mm, length = 1800 mm | 18 m | |



to form permanent elastic joints for heating screeds and to separate screed fields consisting of:

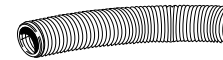
- T-profile for absorption of expansion strips
- expansion strips of PE

Note: Please use the **aqualtherm orange system** corrugated pipe (Art.-No. 91111) to protect the connecting pipe in the area of screed moving joint.

aqualtherm orange system - PROTECTION PIPE FOR EXPANSION JOINT SECTION

to protect the connecting pipe in the area of screed moving joint

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|--|------|--------------|
| 91111 | for heating pipes \varnothing 14 - 17 mm | 10 m | |



Material: PE

aqualtherm orange system - SPECIAL FLOOR MIX

for thin-layer cement screeds

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|--|-------|--------------|
| 91108 | Consumption per m ² 0,15 kg | 10 kg | |

for increasing the screed density



aqualtherm orange system - SPECIAL FLOOR MIX

for thin-layer cement screeds

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|--|-------|--------------|
| 91110 | Consumption per m ² 1,45 kg | 25 kg | |

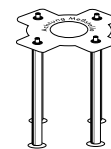
Screed-pipe covering: 30 mm



aqualtherm orange system - SCREED MEASURING POINT

for marking the measuring points in the screed

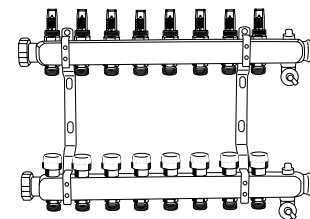
| Art.-No. | Dimension | PU | Price € m/pc |
|----------|------------|----|--------------|
| 91109 | H = 100 mm | 1 | |



NEW aqualtherm orange system - HEATING CIRCUIT MANIFOLD WITH FLOW METER

screw joints and ball valves have to be ordered separately

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-------------|----|--------------|
| 92302 | 2 Circuits | 1 | |
| 92303 | 3 Circuits | 1 | |
| 92304 | 4 Circuits | 1 | |
| 92305 | 5 Circuits | 1 | |
| 92306 | 6 Circuits | 1 | |
| 92307 | 7 Circuits | 1 | |
| 92308 | 8 Circuits | 1 | |
| 92309 | 9 Circuits | 1 | |
| 92310 | 10 Circuits | 1 | |
| 92311 | 11 Circuits | 1 | |
| 92312 | 12 Circuits | 1 | |



Stainless steel manifold with the following properties:

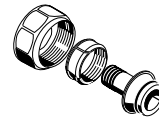
- flow- and return manifold are arranged separately
- flow indicator with shut-off in the flow
- control and shut-off valve with protection cap in return
- feed and drain valves
- air valves
- bracket set with bow and sound protection
- sealing plug

aquatherm orange system - EUROCONUS CONNECTOR

for heating circuit manifold, valves/couplings

| Art.-No. | for pipe dimensions | PU | Price € m/pc |
|----------|---------------------|----|-----------------|
| 92100 | ø 10 x 1,25 mm | 5 | |
| 92104 | ø 14 x 2,0 mm | 5 | |
| 92106 | ø 16 x 2,0 mm | 5 | |
| 92107 | ø 17 x 2,0 mm | 5 | |
| 92108 | ø 20 x 2,0 mm | 5 | |

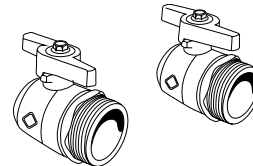
cap nut nickel-plated



NEW aquatherm orange system - BALL VALVE SET

Straight design, for manifold Art.-No. 92302-92312

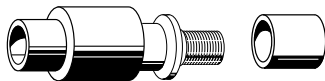
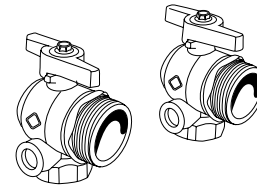
| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-------------|----|-----------------|
| 92320 | 1" straight | 1 | |



NEW aquatherm orange system - BALL VALVE SET

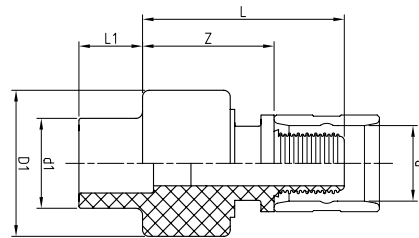
Corner design, for manifold Art.-No. 92302-92312

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|-----------------|
| 92321 | 1" corner | 1 | |



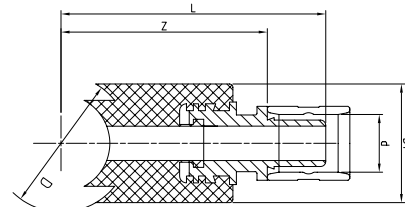
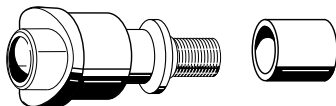
aquatherm orange system - ADAPTER

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



| Art.-No. | Dimension | d1 | d | D1 | Z | L | L1 | PU | Price € m/pc |
|----------|---|----|----|-------|-------|-------|-------|----|-----------------|
| 78298 | aquatherm green pipe 20 mm x aquatherm orange system 14 mm | 20 | 14 | | | | | 2 | |
| 78300 | aquatherm green pipe 20 mm x aquatherm orange system 16 mm | 20 | 16 | 32,50 | 30,00 | 46,00 | 14,50 | 2 | |
| 78302 | aquatherm green pipe 20 mm x aquatherm orange system 20 mm | 20 | 20 | 34,50 | 30,00 | 47,00 | 11,00 | 2 | |

Material: PP-R/brass



aquatherm grey pipe - WELD-IN SADDLE ADAPTER

for PE-RT and PB pipes, including sliding sleeve

| Art.-No. | Dimension | D | d | Z | L | D1 | PU | Price € m/pc |
|----------|---|-------|----|-------|-------|-------|----|-----------------|
| 78402 | aquatherm green pipe 40 mm x aquatherm orange system 16 mm | 40,00 | 16 | 60,00 | 77,00 | 34,50 | 2 | |
| 78404 | aquatherm green pipe 40 mm x aquatherm orange system 20 mm | 40,00 | 20 | 58,00 | 75,00 | 38,50 | 2 | |
| 78406 | aquatherm green pipe 50 mm x aquatherm orange system 16 mm | 50,00 | 16 | 65,00 | 82,00 | 32,50 | 2 | |
| 78408 | aquatherm green pipe 50 mm x aquatherm orange system 20 mm | 50,00 | 20 | 64,00 | 81,00 | 38,50 | 2 | |

one side for saddle welding - one side for sliding sleeve connection

Material: PP-R/brass

aquatherm grey pipe - SPARE SLIDING SLEEVE for PE-RT and PB pipes

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 79986 | 10 mm | 10 | |
| 79988 | 14 mm | 10 | |
| 79990 | 16mm | 10 | |
| 79991 | 17mm | 10 | |
| 79992 | 20mm | 10 | |
| 79994 | 25mm | 10 | |
| 79998 | 40 mm | 10 | |

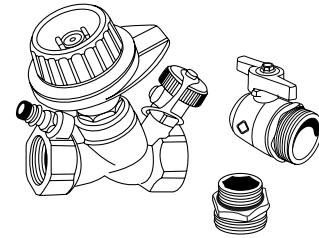
Material: brass



NEW aquatherm orange system - LINE CONTROL VALVE SET FOR MANIFOLD

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 92329 | 1" | 1 | |

For restriction of flow rate respectively for hydraulic balancing of manifolds

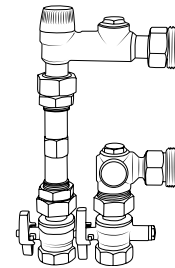


NEW aquatherm orange system - UNIVERSAL-FLOW METER

add-on kit with elbow

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 92323 | 1" | 1 | |

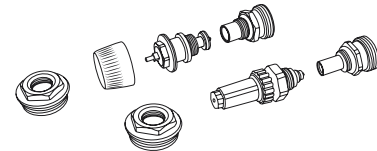
for mounting to aquatherm orange system -manifold



NEW aquatherm orange system - HEATING CIRCUIT MANIFOLD EXTENSION SET

for Art.-No. 92302-92312

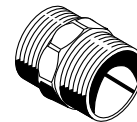
| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 92069 | | | |



aquatherm orange system - HEATING PIPE COUPLING ADAPTER

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|----------------|----|--------------|
| 95210 | with euroconus | 5 | |

Suitable euroconus connector Art.-No.: 92100-92108



aquatherm orange system - HEATING PIPE SCREW CONNECTION ADAPTER

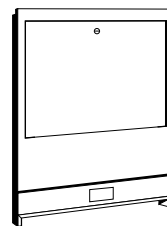
| Art.-No. | Dimension | PU | Price € m/pc |
|----------|------------------------------|----|--------------|
| 95212 | Adapter for 1/2" f euroconus | 5 | |
| 95214 | Adapter for 1/2" m euroconus | 5 | |

Suitable euroconus connector Art.-No.: 92100-92108



aquatherm orange system - UNIVERSAL MANIFOLD CABINET

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|---|----|-----------------|
| 93102 | UP1, size 1 for 2 - 3 circuits, height = 700 - 850 mm, width = 400 mm, depth = 110 - 150 mm | 1 | |
| 93104 | UP2, size 2 for 4 - 6 circuits, height = 700 - 850 mm, width = 550 mm, depth = 110 - 150 mm | 1 | |
| 93106 | UP3, size 3 for 7 - 10 circuits, height = 700 - 850 mm, width = 750 mm, depth = 110 - 150 mm | 1 | |
| 93108 | UP4, size 4 for 11 - 12 circuits, height = 700 - 850 mm, width = 950 mm, depth = 110 - 150 mm | 1 | |
| 93110 | UP5, size 5 for max. 12 cir- cuits with heat distribution station, height = 700 - 850 mm, width = 1150 mm, depth = 110 - 150 mm | 1 | |

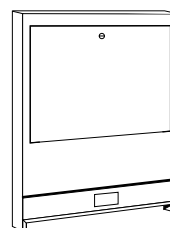


for concealed installation with:

- universal mounting, vertically and horizontally infinitely variable
- lower lining height-adaptable
- prepressed lateral pipe passage
- lateral bases, height-adjustable
- made of hot galvanized sheet steel
- white laquered design acc. to RAL 9010

aquatherm orange system - UNIVERSAL-MANIFOLD CABINET

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|---|----|-----------------|
| 93112 | AP1, size 1 for 2 - 4 circuits, height = 730 mm, width = 455 mm, depth = 150 mm | 1 | |
| 93114 | AP2, size 2 for 5 - 7 circuits, height = 730 mm, width = 605 mm, depth = 150 mm | 1 | |
| 93116 | AP3, size 3 for 8 - 10 circuits, height = 730 mm, width = 805 mm, depth = 150 mm | 1 | |
| 93118 | AP4, size 4 for 11 - 12 circuits, height = 730 mm, width = 1005 mm, depth = 150 mm | 1 | |



for surface installation with

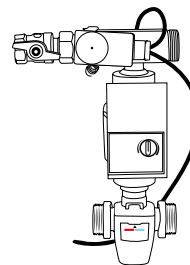
- universal mounting, vertically and horizontally infinitely variable
- made of hot galvanized sheet steel
- with laquered design acc. to RAL 9010
- with detachable screed impact and pipe reversing plate

NEW aquatherm orange system - FIXED COMMAND CONTROL

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|--------------|
| 92162 | 1" | 1 | |

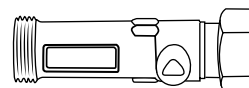
The adjustment and/or extension of an existing radiator system with underfloor heating can be performed safely, efficiently and well-priced with the **aquatherm orange system** fixed command control.

Composed of:
 » injection mixing valve for control of flow temperature in the underfloor circuit
 » circulation pump
 » safety temperature limiter
 » ball valve



NEW aquatherm orange system - FLOW INDICATOR FOR FIXED VALUE SETTING

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-------------|----|--------------|
| 92163 | 2-12 l/min. | 1 | |



aquatherm orange system - ACTUATOR

for heating circuit manifolds and heating circuit control valves - flow

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



aquatherm orange system - INDIVIDUAL ROOM CONTROL

with RTL valve and axial Th valve

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|--------------|
| 94161 | | 1 | |

- for control of
- return temperature
- room temperature
- in connection for euroconus
- with concealed manifold cabinet
- with covering



aquatherm orange system - AB-QM COMBINATION VALVE

balancing and controlling valve for heating and cooling systems

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|--------------|----|--------------|
| 94165 | DN 15 - 3/4" | 1 | |



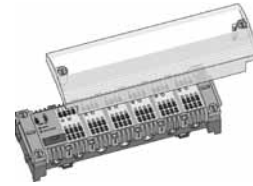
CONNECTION SYSTEMS, THERMOSTATS 230 VOLT (HEATING)

aquatherm orange system - CONNECTION SYSTEM AB 2000-6

230 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94140 | | 1 | |

Up to 6 room thermostats connectable
max. 14 actuators
(extension: see modules)



aquatherm orange system - CONTROL MODULE AB RM 2000

230 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94141 | | 1 | |

for extension of 2 room thermostats
up to 2 room thermostats connectable
8 actuators



aquatherm orange system - ACTUATOR MODULE AB AM 2000

230 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94142 | | 1 | |

for extension of actuators for large heating surfaces
up to 2 groups with each 4 actuators are connectable

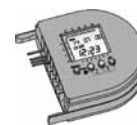


aquatherm orange system - TIMER MODULE AB TM 1000

230 volt, 24 volt and for radio connection system

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94143 | | 1 | |

pluggable 2 channel-digital clock for simple and comfortable programming of the heating times
Function: 2 week programmes / 42 storage locations
automatic switching between sommer-/wintertime

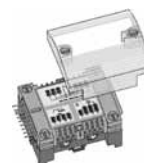


aquatherm orange system - PUMP MODULE AB PL 2000

230 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94144 | | 1 | |

pluggable extension for controlling of circulation pump
Connection options: 2 x NYM 2 x 1,5 mm² for external pump

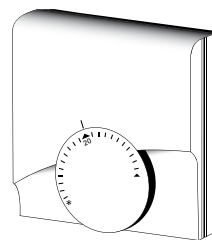


CONNECTION SYSTEMS, THERMOSTATS 230 VOLT (HEATING)

aquatherm orange system - ROOM THERMOSTAT

230 volt - 50 Hz - differential gap 0,5 K, prepared for night setback, white

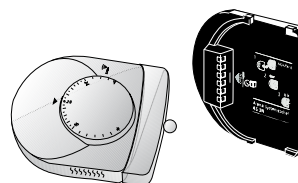
| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 94107 | | 1 | |



aquatherm orange system - PROGRAMMABLE ROOM THERMOSTAT, ANALOGUE

230 volt digital timer with day and week program, white

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 94108 | | 1 | |



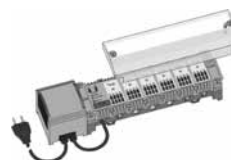
CONNECTION SYSTEMS, THERMOSTATS 24 VOLT - RADIO CONTROLLED (HEATING)

aquatherm orange system - AUTOMATIC CONTROL, WIRELESS AB 4071-6

24 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 94148 | | 1 | |

up to 6 radio controls (wireless) connectable
13 actuators (24 volt)
transformer: 230V/24V, 50/60 Hz, 50 vA
operating voltage: 24V/50/60 Hz

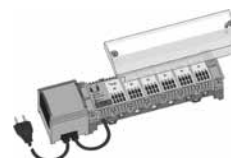


aquatherm orange system - AUTOMATIC CONTROL, WIRELESS AB 4071-12

24 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 94149 | | 1 | |

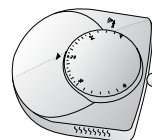
up to 12 radio controls (wireless) connectable
13 actuators (24 volt)



aquatherm orange system - ROOM THERMOSTAT WIRELESS AR 4070 KF

| Art.-No. | Dimension | PU | Price € m/pc |
|----------|-----------|----|--------------|
| 94151 | | 1 | |

Room thermostats with wireless radio transmission (battery 2 x 1,5 V Mignon)
temperature range: 10 - 28 °C



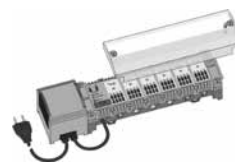
CONNECTION SYSTEMS, THERMOSTATS 24 VOLT (HEATING/ HEATING AND COOLING)

aquatherm orange system - CONNECTION SYSTEM AB 4001-6

24 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94152 | | 1 | |

Connections: up to 6 room thermostats 24 v respectively room thermostats Art.-No. 94156/94154
14 actuators (24volt)
Transformer: 230V/24V, 50/60 Hz, 50 vA
Operating voltage: 24V/50/60 Hz

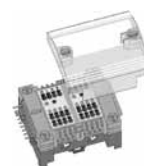


aquatherm orange system - CONTROL MODULE AB RM 4000

24 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94131 | | 1 | |

for extension of 2 room thermostats
up to 2 room thermostats connectable
8 actuators

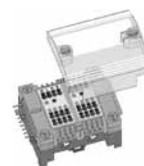


aquatherm orange system - ACTUATOR MODULE AB AM 4000

24 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94132 | | 1 | |

for extension of actuators of large heating surfaces
up to 2 groups with each 4 actuators connectable



aquatherm orange system - PUMP MODULE AB PL 4000

24 volt and for radio

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94150 | | 1 | |

pluggable extension for controlling of circulation pump
Connection options: 2 x NYM 2 x 1,5 mm² for external pump

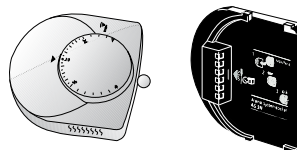


aquatherm orange system - ROOM THERMOSTAT

24 volt differential gap 0,5 K, prepared for night set-back, white

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94156 | | 1 | |

Including mounting base and electrical connection for room thermostats
- suitable for wall installation and mounting on switch box



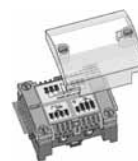
CONNECTION SYSTEMS, THERMOSTATS 24 VOLT (HEATING/ HEATING AND COOLING)

aquatherm orange system - HEATING / COOLING MODULE AB HK 4000

24 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|--------------|
| 94153 | | 1 | |

The plug-in extension of the connection system automatically initiates the change-over of all connected room thermostats into cooling mode by external potential-free contact or manually.

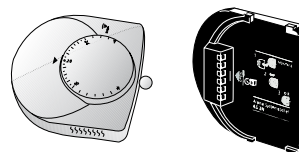


aquatherm orange system - ROOM THERMOSTAT FOR HEATING AND COOLING AR 4010 K

24 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|--------------|
| 94154 | | 1 | |

Room thermostat for heating and cooling in one system
 Temperature range: 10 - 28 °C
 Operating voltage: 24V, 50/60 Hz
 Including mounting base and electrical connection for room thermostats
 - suitable for wall installation and mounting on switch box

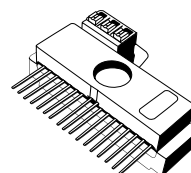


aquatherm orange system - ADAPTER PLUG FOR EXTERNAL LOWERING

24 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|--------------|
| 99408 | | 1 | |

Plug-in extension of the connecting system effects the automatical switching (Art.-No. 94034) of all connected room thermostats into the cooling mode by external potential-free contact or manually.

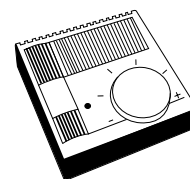


aquatherm orange system - ROOM THERMOSTAT FOR HEATING AND COOLING

24 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|--------------|
| 94034 | | 1 | |

Room thermostat with in-wall case for switch boxes acc. to DIN 49073
 connectable with dewpoint sensor
 Temperature range: 5 - 30 °C
 Operating voltage: 24V, 50/60 Hz

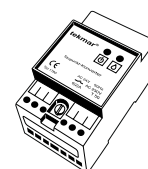


aquatherm orange system - DEWPOINT CONVERTER

24 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|--------------|
| 94035 | | 1 | |

Dewpoint converter for switching off the cooling unit or for closing the mixer / valve via potential-free relay contact

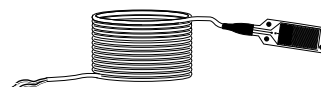


aquatherm orange system - DEWPOINT SENSOR

24 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|--------------|
| 94036 | | 1 | |

Humidistat with flexible foil
 Length of supply = 10 m
 (LIYY 2 x 0.15 mm)



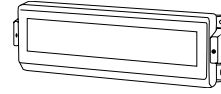
CONNECTION SYSTEMS, THERMOSTATS 230 VOLT (HEATING AND COOLING)

aquatherm orange system - CONTROL MANIFOLD ASV 6

230 volt

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94170 | | 1 | |

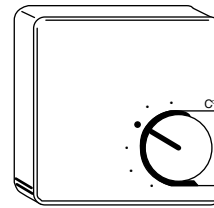
up to 6 room thermostats connectable
max. 12 actuators



aquatherm orange system - ROOM THERMOSTAT NRT 210

230 volt, differential gap 0,5 K, for 2 pipe-system, white

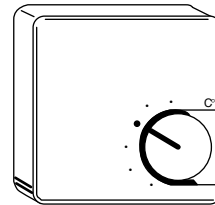
| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94172 | | 1 | |



aquatherm orange system - ROOM THERMOSTAT NRT 220

230 volt, differential gap 0,5 K, for 4 pipe-systems, white

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 94174 | | 1 | |

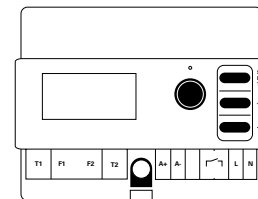


AUTOMATIC CONTROL FOR KEEPING AREAS SNOW-AND ICE-FREE

aquatherm orange system - DIGITAL ICE- AND SNOW DETECTOR

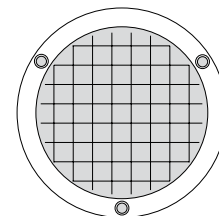
for activating open space heating systems if required

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|----|-----------------|
| 99258 | | 1 | |



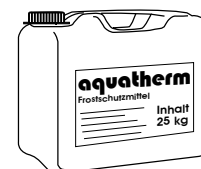
aquatherm orange system - OPEN SPACE SENSOR

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|----------------|----|-----------------|
| 99259 | diameter 68 mm | 1 | |



aquatherm orange system - ANTIFREEZER FOR OPEN-SPACE HEATING

| Art.-No. | Dimension | PU | Price € m/pc |
|--------------|-----------|-------|-----------------|
| 99743 | | 25 kg | |



environmental friendly antifreezer concentrate basing on ethyleneglycol for open space heatings and surface collectors.
Water pollution class: WGK 1

| | |
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| aquatherm ti Pre-insulated pipe systems for district heating | PAGE 67-80 |
| aquatherm grey pipe Portable water and heating installations | PAGE 81-111 |
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| aquatherm blue pipe | |
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| aquatherm green pipe SDR 7,4 MF | 8 |
| aquatherm green pipe SDR 9 MF UV | 9 |
| aquatherm green pipe SDR 7,4 MF UV | 10 |
| aquatherm green pipe SDR 7,4 MS | 10 |
| aquatherm green pipe SDR 6/7,4 S | 11 |
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aquatherm grey pipe

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| 5000070 | 119 | 5028160 | 115 | 5036300 | 116 | 5048450 | 117 | 5068080 | 118 |
| 5000080 | 119 | 5028180 | 115 | 5036325 | 116 | 5048475 | 117 | 5068090 | 119 |
| 5000090 | 119 | 5028200 | 115 | 5036350 | 116 | 5048500 | 117 | 5068100 | 119 |
| 5000100 | 119 | 5028225 | 115 | 5036375 | 116 | 5056050 | 117 | 5068120 | 119 |
| 5000120 | 120 | 5028250 | 115 | 5036400 | 116 | 5056060 | 117 | 5068140 | 119 |
| 5000140 | 120 | 5028275 | 115 | 5036425 | 116 | 5056070 | 118 | 5068160 | 119 |
| 5000160 | 120 | 5028300 | 115 | 5036450 | 116 | 5056080 | 118 | 5068180 | 119 |
| 5000180 | 120 | 5028325 | 115 | 5036475 | 116 | 5056090 | 118 | 5068200 | 119 |
| 5000200 | 120 | 5028350 | 115 | 5036500 | 116 | 5056100 | 118 | 5068225 | 119 |
| 5000225 | 120 | 5028375 | 115 | 5040050 | 117 | 5056120 | 118 | 5068250 | 119 |
| 5000250 | 120 | 5028400 | 115 | 5040060 | 117 | 5056140 | 118 | 5068275 | 119 |
| 5000275 | 120 | 5028425 | 115 | 5040070 | 117 | 5056160 | 118 | 5068300 | 119 |
| 5000300 | 120 | 5028450 | 115 | 5040080 | 117 | 5056180 | 118 | 5068325 | 119 |
| 5000325 | 120 | 5028475 | 115 | 5040090 | 117 | 5056200 | 118 | 5068350 | 119 |
| 5000350 | 120 | 5028500 | 115 | 5040100 | 117 | 5056225 | 118 | 5068375 | 119 |
| 5000375 | 120 | 5032050 | 115 | 5040120 | 117 | 5056250 | 118 | 5068400 | 119 |
| 5000400 | 120 | 5032060 | 115 | 5040140 | 117 | 5056275 | 118 | 5068425 | 119 |
| 5000425 | 120 | 5032070 | 116 | 5040160 | 117 | 5056300 | 118 | 5068450 | 119 |
| 5000450 | 120 | 5032080 | 116 | 5040180 | 117 | 5056325 | 118 | 5068475 | 119 |
| 5000475 | 120 | 5032090 | 116 | 5040200 | 117 | 5056350 | 118 | 5068500 | 119 |
| 5000500 | 120 | 5032100 | 116 | 5040225 | 117 | 5056375 | 118 | 5080050 | 119 |
| 5024050 | 115 | 5032120 | 116 | 5040250 | 117 | 5056400 | 118 | 5080060 | 119 |
| 5024060 | 115 | 5032140 | 116 | 5040275 | 117 | 5056425 | 118 | 5080070 | 119 |
| 5024070 | 115 | 5032160 | 116 | 5040300 | 117 | 5056450 | 118 | 5080080 | 119 |
| 5024080 | 115 | 5032180 | 116 | 5040325 | 117 | 5056475 | 118 | 5080090 | 119 |
| 5024090 | 115 | 5032200 | 116 | 5040350 | 117 | 5056500 | 118 | 5080100 | 119 |
| 5024100 | 115 | 5032225 | 116 | 5040375 | 117 | 5060050 | 118 | 5080120 | 119 |
| 5024120 | 115 | 5032250 | 116 | 5040400 | 117 | 5060060 | 118 | 5080140 | 119 |
| 5024140 | 115 | 5032275 | 116 | 5040425 | 117 | 5060070 | 118 | 5080160 | 119 |
| 5024160 | 115 | 5032300 | 116 | 5040450 | 117 | 5060080 | 118 | 5080180 | 119 |
| 5024180 | 115 | 5032325 | 116 | 5040475 | 117 | 5060090 | 118 | 5080200 | 119 |
| 5024200 | 115 | 5032350 | 116 | 5040500 | 117 | 5060100 | 118 | 5080225 | 119 |
| 5024225 | 115 | 5032375 | 116 | 5048050 | 117 | 5060120 | 118 | 5080250 | 119 |
| 5024250 | 115 | 5032400 | 116 | 5048060 | 117 | 5060140 | 118 | 5080275 | 119 |
| 5024275 | 115 | 5032425 | 116 | 5048070 | 117 | 5060160 | 118 | 5080300 | 119 |
| 5024300 | 115 | 5032450 | 116 | 5048080 | 117 | 5060180 | 118 | 5080325 | 119 |
| 5024325 | 115 | 5032475 | 116 | 5048090 | 117 | 5060200 | 118 | 5080350 | 119 |
| 5024350 | 115 | 5032500 | 116 | 5048100 | 117 | 5060225 | 118 | 5080375 | 119 |
| 5024375 | 115 | 5036050 | 116 | 5048120 | 117 | 5060250 | 118 | 5080400 | 119 |
| 5024400 | 115 | 5036060 | 116 | 5048140 | 117 | 5060275 | 118 | 5080425 | 119 |
| 5024425 | 115 | 5036070 | 116 | 5048160 | 117 | 5060300 | 118 | 5080450 | 119 |
| 5024450 | 115 | 5036080 | 116 | 5048180 | 117 | 5060325 | 118 | 5080475 | 119 |
| 5024475 | 115 | 5036090 | 116 | 5048200 | 117 | 5060350 | 118 | 5080500 | 119 |

| Art.-Nr | Seite |
|---------|-------|
| 5156058 | 122 |
| 5160061 | 122 |
| 5662050 | 120 |
| 5662100 | 120 |
| 5662200 | 120 |
| 5663050 | 120 |
| 5663100 | 120 |
| 5663200 | 120 |
| 6252056 | 123 |
| 6256056 | 123 |
| 6256060 | 123 |
| 6256120 | 123 |
| 9010212 | 16 |
| 9010214 | 16 |
| 9010216 | 16 |
| 9010218 | 16 |
| 9010220 | 16 |
| 9010222 | 16 |
| 9010224 | 16 |
| 9010226 | 16 |
| 9010808 | 16 |
| 9010810 | 16 |

WORKING PRESSURE

PERMISSIBLE WORKING PRESSURE - POTABLE WATER

Fluid transported: water acc. to DIN 2000

| Temperature | Service life | aquatherm green pipe SDR 11 S aquatherm lilac pipe SDR 11 S | | aquatherm green pipe SDR 7,4 S | | aquatherm green pipe SDR 6 S aquatherm green pipe SDR 7,4 MS | | 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) |
| Potable water (cold) Potable water (warm) | 40 °C 104 °F | 1 | 17,1 | (248) | 21,5 | (312) | 20,5 | (297) | 18,7 | (271) | |
| | | 5 | 16,0 | (232) | 20,2 | (293) | 19,2 | (278) | 18,0 | (261) | |
| | | 10 | 15,6 | (226) | 19,6 | (284) | 18,7 | (271) | 17,7 | (257) | |
| | | 25 | 15,0 | (218) | 18,8 | (273) | 18,0 | (261) | 17,4 | (252) | |
| | | 50 | 14,5 | (210) | 18,3 | (265) | 17,5 | (254) | 17,0 | (247) | |
| | 50 °C 122 °F | 1 | 14,5 | (210) | 18,3 | (265) | 17,5 | (254) | 15,9 | (231) | |
| | | 5 | 13,5 | (196) | 17,0 | (247) | 16,2 | (235) | 15,3 | (222) | |
| | | 10 | 13,1 | (190) | 16,5 | (239) | 15,7 | (228) | 15,1 | (219) | |
| | | 25 | 12,6 | (183) | 15,9 | (231) | 15,2 | (220) | 14,8 | (215) | |
| | | 50 | 12,2 | (177) | 15,4 | (223) | 14,7 | (213) | 14,5 | (210) | |
| | 60 °C 140 °F | 1 | 12,2 | (177) | 15,4 | (223) | 14,7 | (213) | 13,5 | (196) | |
| | | 5 | 11,4 | (165) | 14,3 | (207) | 13,7 | (199) | 13,0 | (189) | |
| | | 10 | 11,0 | (160) | 13,8 | (200) | 13,2 | (191) | 12,8 | (186) | |
| | | 25 | 10,5 | (152) | 13,3 | (193) | 12,6 | (183) | 12,5 | (181) | |
| | | 50 | 10,1 | (146) | 12,7 | (184) | 12,1 | (175) | 12,3 | (178) | |
| | 65 °C 149 °F | 1 | 11,6 | (168) | 14,6 | (212) | 13,9 | (202) | 12,4 | (180) | |
| | | 5 | 10,8 | (157) | 13,6 | (197) | 12,9 | (187) | 11,9 | (173) | |
| | | 10 | 10,4 | (151) | 13,1 | (190) | 12,5 | (181) | 11,7 | (170) | |
| | | 25 | 10,0 | (145) | 12,6 | (183) | 12,0 | (174) | 11,4 | (165) | |
| | | 50 | 8,8 | (128) | 11,1 | (161) | 10,6 | (154) | 11,2 | (162) | |
| 70 °C 158 °F | 1 | 10,3 | (149) | 13,0 | (189) | 12,4 | (180) | 11,4 | (165) | | |
| | 5 | 9,5 | (138) | 11,9 | (173) | 11,4 | (165) | 10,9 | (158) | | |
| | 10 | 9,3 | (135) | 11,7 | (170) | 11,1 | (161) | 10,7 | (155) | | |
| | 25 | 8,0 | (116) | 10,1 | (146) | 9,6 | (139) | 10,5 | (152) | | |
| | 30 | 7,0 | (102) | 8,8 | (128) | 9,3 | (135) | 10,3 | (149) | | |
| 50 | 6,7 | (97) | 8,5 | (123) | 8,1 | (117) | 10,2 | (148) | | | |

Faser and Stabi composite pipe: high working stress at lower wall thickness and higher flow rate

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

S = single layer

MS = multilayer stabi - integrated aluminium-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 | Service life | aquatherm blue pipe SDR 11 MF, OT & S | | aquatherm blue pipe SDR 17,6 MF | | aquatherm green pipe SDR 7,4 MF & MS | | 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 | 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 | 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) |
| | 85 °C | 42,5 | 6,49 | (94) | 3,72 | (54) | 9,79 | (142) | 10,90 | (158) |
| | | 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) |
| | 90 °C | 37,5 | 6,07 | (88) | 3,49 | (51) | 9,18 | (133) | 10,00 | (145) |
| | | 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) |
| 75 °C | | 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 | 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 | 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 | 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) | | |
| | 75 °C | 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 | 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 | 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 | 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 157 and 158

| Temperature | Service life | aquatherm blue pipe SDR 17,6 MF | | aquatherm blue pipe SDR 11 MF & MF OT aquatherm lilac pipe SDR 11 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) |
| 10 °C | 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) |
| 15 °C | 100 | 10,8 | (157) | 23,5 | (341) | 25,2 | (366) | 26,3 | (381) |
| | 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) |
| 20 °C | 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) |
| | 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) |
| 30 °C | 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) |
| | 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) |
| 40 °C | 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) |
| | 1 | 7,9 | (115) | 17,1 | (248) | 20,5 | (297) | 18,6 | (270) |
| 50 °C | 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) |
| 60 °C | 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) |
| 70 °C | 100 | 5,5 | (80) | 11,9 | (173) | 14,1 | (205) | 14,3 | (207) |
| | 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) |
| 75 °C | 50 | 4,7 | (68) | 10,3 | (149) | 12,1 | (175) | 12,2 | (177) |
| | 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) |
| 80 °C | 50 | 3,1 | (45) | 6,8 | (99) | 8,1 | (117) | 10,2 | (148) |
| | 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) |
| 90 °C | 50 | 2,5 | (36) | 5,4 | (78) | 6,7 | (97) | 9,3 | (135) |
| | 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 | 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

MS = multilayer stabi - integrated aluminium-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.





Management
System
ISO 9001:2008
ISO 14001:2004
ISO 50001:2011
www.tuv.com
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