

# aquatherm blue pipe

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

## Pipe system made of polypropylene

for heating and cooling and various industrial applications

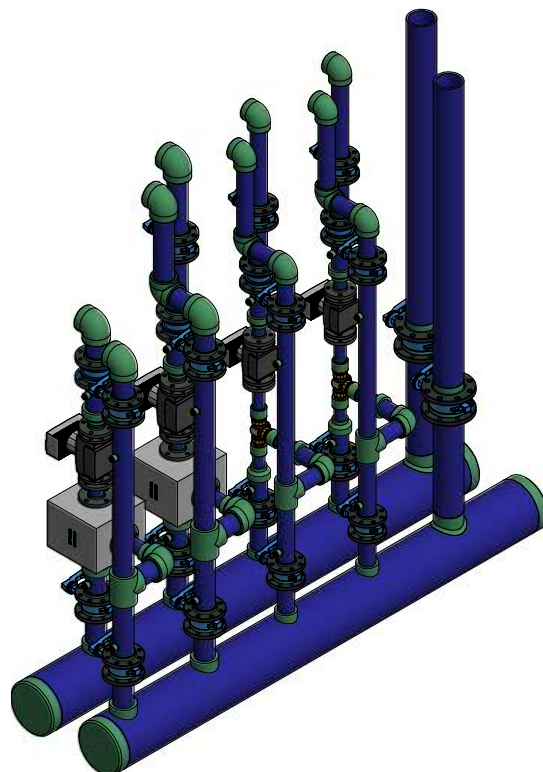
|                     |                    | Dimension [mm] |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
|---------------------|--------------------|----------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                     |                    | 20             | 25 | 32 | 40 | 50 | 63 | 75 | 90 | 110 | 125 | 160 | 200 | 250 | 315 | 355 | 400 | 450 | 500 | 630 |
| aquatherm blue pipe | SDR 7.4 MF         | ●              | ●  |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
| aquatherm blue pipe | SDR 7.4 MF UV      | ●              | ●  |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
| aquatherm blue pipe | SDR 7.4 MF OT      | ●              | ●  |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
| aquatherm blue pipe | SDR 9 MF RP        |                |    | ●  |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
| aquatherm blue pipe | SDR 9 MF RP UV     |                |    | ●  |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
| aquatherm blue pipe | SDR 9 MF RP OT     |                |    | ●  |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
| aquatherm blue pipe | SDR 9 MF RP TI     |                |    | ●  |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
| aquatherm blue pipe | SDR 9 MF RP OT TI  |                |    | ●  |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
| aquatherm blue pipe | SDR 11 S           | ●              | ●  |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
| aquatherm blue pipe | SDR 11 MF RP       |                |    |    | ●  | ●  | ●  | ●  | ●  | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   |     |     |
| aquatherm blue pipe | SDR 11 MF RP UV    |                |    |    | ●  | ●  | ●  | ●  | ●  | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   |     |     |
| aquatherm blue pipe | SDR 11 MF RP OT    |                |    |    | ●  | ●  | ●  | ●  | ●  | ●   | ●   | ●   | ●   | ●   |     |     |     |     |     |     |
| aquatherm blue pipe | SDR 11 MF RP TI    |                |    |    | ●  | ●  | ●  | ●  | ●  | ●   | ●   | ●   | ●   | ●   | ●   |     |     |     |     |     |
| aquatherm blue pipe | SDR 11 MF RP OT TI |                |    |    | ●  | ●  | ●  | ●  | ●  | ●   | ●   | ●   | ●   | ●   |     |     |     |     |     |     |
| aquatherm blue pipe | SDR 17.6 MF RP     |                |    |    |    |    |    |    |    |     | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
| aquatherm blue pipe | SDR 17.6 MF RP UV  |                |    |    |    |    |    |    |    |     | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
| aquatherm blue pipe | SDR 17.6 MF RP TI  |                |    |    |    |    |    |    |    |     | ●   | ●   | ●   | ●   | ●   | ●   |     |     |     |     |

## CUSTOMIZED PREFABRICATION

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

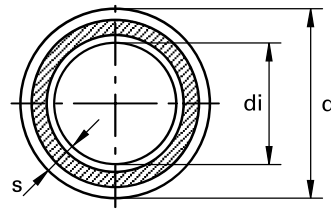
To start the process, only the corresponding planning data, 3D-data and/or drawings with dimensions are required. We return the offer including material list and drawings. A qualified team of experienced technicians will assist you.

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

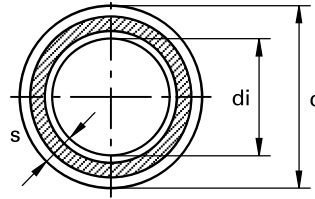
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pipe structure:</b>  | MF = multi-layer, fibre-reinforced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Special feature:</b> | RP = raised pressure resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Material:</b>        | fusiolen® PP-R / PP-RCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Pipe series:</b>     | SDR 7.4 / S 3.2 & SDR11 / S 5 & SDR 17.6 / S 8.3<br>SDR 9 / S 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Standard:</b>        | SKZ HR 3.28, ASTM F 2389, CSA B 137.11,<br>ISO 21003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Colour:</b>          | blue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Delivery form:</b>   | ø 20 – 125 mm straight lengths 4 m<br>ø 160 – 630 mm straight lengths 5.8 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Packing unit:</b>    | PU in meter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Application:</b>     |           |



| SDR                   | Art. no.              | Dimension d [mm] | Wall thickness s [mm] | Internal diameter di [mm] | Water content [l/m] | Weight [kg] | DN  | PU [m] | Price € m |
|-----------------------|-----------------------|------------------|-----------------------|---------------------------|---------------------|-------------|-----|--------|-----------|
| <i>Socket welding</i> |                       |                  |                       |                           |                     |             |     |        |           |
| 7.4                   | 2070708               | 20               | 2,8                   | 14,40                     | 0,163               | 0,157       | 15  | 100    |           |
|                       | 2070710               | 25               | 3,5                   | 18,00                     | 0,254               | 0,244       | 20  | 100    |           |
| 9                     | 2071112               | 32               | 3,6                   | 24,8                      | 0,539               | 0,334       | 25  | 40     |           |
| 11                    | 2071114               | 40               | 3,7                   | 32,6                      | 0,834               | 0,430       | 32  | 40     |           |
|                       | 2071116               | 50               | 4,6                   | 40,8                      | 1,307               | 0,651       | 40  | 20     |           |
|                       | 2071118               | 63               | 5,8                   | 51,4                      | 2,074               | 1,062       | 50  | 20     |           |
|                       | 2071120               | 75               | 6,8                   | 61,4                      | 2,959               | 1,494       | 65  | 20     |           |
|                       | 2071122               | 90               | 8,2                   | 73,6                      | 4,252               | 2,141       | 80  | 12     |           |
|                       | 2071124               | 110              | 10,0                  | 90                        | 6,359               | 3,239       | -   | 8      |           |
|                       | 2071126               | 125              | 11,4                  | 102,2                     | 8,199               | 4,092       | 100 | 4      |           |
|                       | <i>Butt welding</i>   |                  |                       |                           |                     |             |     |        |           |
|                       | 2071130               | 160              | 14,6                  | 130,8                     | 13,430              | 6,710       | 125 | 5.8    |           |
|                       | 2071134               | 200              | 18,2                  | 163,6                     | 21,010              | 10,442      | 150 | 5.8    |           |
| 17.6                  | 2071138               | 250              | 22,7                  | 204,6                     | 32,861              | 16,579      | 200 | 5.8    |           |
|                       | 2071142               | 315              | 28,6                  | 257,8                     | 52,172              | 26,223      | 250 | 5.8    |           |
|                       | 2071144               | 355              | 32,2                  | 290,6                     | 66,29               | 33,276      | 300 | 5.8    |           |
|                       | 2071146               | 400              | 36,3                  | 327,6                     | 84,290              | 42,266      | 300 | 5.8    |           |
|                       | 2071148               | 450              | 40,9                  | 368,2                     | 106,477             | 53,566      | 400 | 5.8    |           |
|                       | <i>Socket welding</i> |                  |                       |                           |                     |             |     |        |           |
|                       | 3570125               | 125              | 7,1                   | 110,8                     | 9,637               | 2,667       | 100 | 4      |           |
|                       | <i>Butt welding</i>   |                  |                       |                           |                     |             |     |        |           |
|                       | 3570130               | 160              | 9,1                   | 141,8                     | 15,792              | 4,39        | 150 | 5.8    |           |
|                       | 3570134               | 200              | 11,4                  | 177,2                     | 24,661              | 6,93        | 200 | 5.8    |           |
| 17.6                  | 3570138               | 250              | 14,2                  | 221,6                     | 38,568              | 10,64       | 250 | 5.8    |           |
|                       | 3570142               | 315              | 17,9                  | 279,2                     | 61,223              | 16,606      | 300 | 5.8    |           |
|                       | 3570144               | 355              | 20,1                  | 314,8                     | 77,832              | 21,589      | 350 | 5.8    |           |
|                       | 3570146               | 400              | 22,7                  | 354,6                     | 98,756              | 27,468      | 350 | 5.8    |           |
|                       | 3570148               | 450              | 25,5                  | 399,0                     | 125,036             | 34,716      | 400 | 5.8    |           |
|                       | 3570150               | 500              | 28,4                  | 443,2                     | 154,272             | 42,955      | 450 | 5.8    |           |
|                       | 3570154               | 630              | 35,7                  | 558,6                     | 245,070             | 68,044      | 500 | 5.8    |           |

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

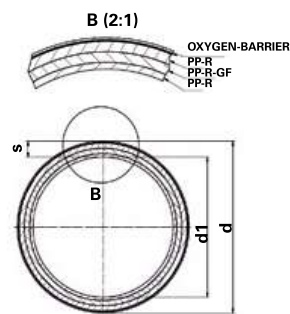
|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
| <b>Pipe structure:</b>  | MF = multi-layer, fibre-reinforced                          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



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

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

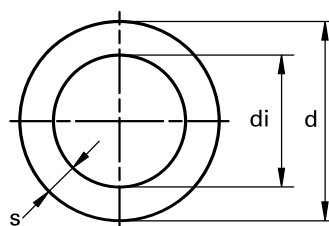
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pipe structure:</b>  | MF = multi-layer, fibre-reinforced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Special feature:</b> | RP = raised pressure resistance<br>OT = oxygen-tight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Material:</b>        | fusiolen® PP-R / PP-RCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Pipe series:</b>     | SDR 7.4 / S 3.2 & SDR11 / S 5 / SDR 9 / S 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Standard:</b>        | DIN 8077 / 78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, ISO 21003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Colour:</b>          | blue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Delivery form:</b>   | ø 20 – 125 mm straight lengths 4 m<br>ø 160 – 250 mm straight lengths 5,8 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Packing unit:</b>    | PU in meter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Application:</b>     |           |



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

## aquatherm blue pipe SDR 11 S

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pipe structure:</b> | S = single-layer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Material:</b>       | fusiolen® PP-R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pipe series:</b>    | SDR 11 / S 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Standard:</b>       | DIN 8077 / 78, DIN EN ISO 15874, ASTM F 2389, CSA B 137.11, NSF 14, ISO 21003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Colour:</b>         | blue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Delivery form:</b>  | 4 m straight lengths, *in coils                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Packing unit:</b>   | PU in meter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Application:</b>    |           |



| 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 |
|-----------------------|------------|------------------|-----------------------|---------------------------|---------------------|-------------|----|--------|--------------|
| <i>Socket welding</i> |            |                  |                       |                           |                     |             |    |        |              |
| 11                    | 2010208    | 20               | 1,9                   | 16,20                     | 0,206               | 0,108       | 15 | 100    |              |
|                       | 2010210    | 25               | 2,3                   | 20,40                     | 0,327               | 0,165       | 20 | 100    |              |
|                       | 2010308 *◆ | 20               | 1,9                   | 16,20                     | 0,206               | 0,108       | 15 | 100    |              |
|                       | 2010310 *◆ | 25               | 2,3                   | 20,40                     | 0,327               | 0,165       | 20 | 100    |              |
|                       | 2010312 *◆ | 32               | 2,9                   | 26,20                     | 0,539               | 0,261       | 25 | 50     |              |