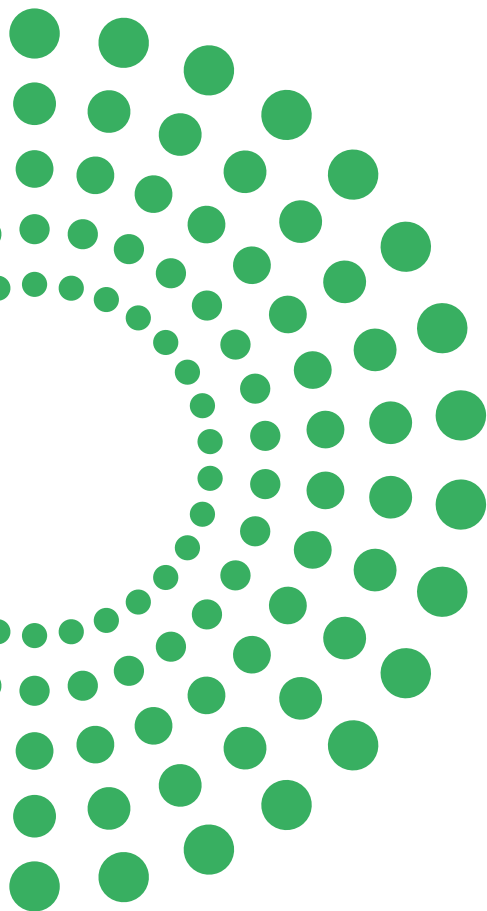


## Permissible working pressure - potable water \_\_\_\_



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

**S** = single-layer

**MF** = multi-layer fibre

**MF RP** = multi-layer fibre – 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.

| Years of service                    | aquatherm green SDR 11 S | aquatherm green SDR 7.4 S | aquatherm green SDR 6 S | aquatherm green SDR 7.4 MF | aquatherm green SDR 9 MF RP |
|-------------------------------------|--------------------------|---------------------------|-------------------------|----------------------------|-----------------------------|
| at temperature up to 20 °C (68 °F)  |                          |                           |                         |                            |                             |
| 1                                   | 15.0 bar                 | 23.8 bar                  | 30.0 bar                | 28.6 bar                   | 25.0 bar                    |
| 5                                   | 14.1 bar                 | 22.3 bar                  | 28.1 bar                | 26.8 bar                   | 24.2 bar                    |
| 10                                  | 13.7 bar                 | 21.7 bar                  | 27.3 bar                | 26.1 bar                   | 23.9 bar                    |
| 25                                  | 13.3 bar                 | 21.1 bar                  | 26.5 bar                | 25.3 bar                   | 23.5 bar                    |
| 50                                  | 12.9 bar                 | 20.4 bar                  | 25.7 bar                | 24.5 bar                   | 23.1 bar                    |
| at temperature up to 30 °C (86 °F)  |                          |                           |                         |                            |                             |
| 1                                   | 12.8 bar                 | 20.2 bar                  | 25.5 bar                | 24.3 bar                   | 21.7 bar                    |
| 5                                   | 12.0 bar                 | 19.0 bar                  | 23.9 bar                | 22.8 bar                   | 21.0 bar                    |
| 10                                  | 11.6 bar                 | 18.3 bar                  | 23.1 bar                | 22.0 bar                   | 20.6 bar                    |
| 25                                  | 11.2 bar                 | 17.7 bar                  | 22.3 bar                | 21.3 bar                   | 20.2 bar                    |
| 50                                  | 10.9 bar                 | 17.3 bar                  | 21.8 bar                | 20.7 bar                   | 19.9 bar                    |
| at temperature up to 40 °C (104 °F) |                          |                           |                         |                            |                             |
| 1                                   | -                        | 17.1 bar                  | 21.5 bar                | 20.5 bar                   | 18.7 bar                    |
| 5                                   | -                        | 16.0 bar                  | 20.2 bar                | 19.2 bar                   | 18.0 bar                    |
| 10                                  | -                        | 15.6 bar                  | 19.6 bar                | 18.7 bar                   | 17.7 bar                    |
| 25                                  | -                        | 15.0 bar                  | 18.8 bar                | 18.0 bar                   | 17.3 bar                    |
| 50                                  | -                        | 14.5 bar                  | 18.3 bar                | 17.5 bar                   | 17.1 bar                    |
| at temperature up to 50 °C (122 °F) |                          |                           |                         |                            |                             |
| 1                                   | -                        | 14.5 bar                  | 18.3 bar                | 17.5 bar                   | 15.9 bar                    |
| 5                                   | -                        | 13.5 bar                  | 17.0 bar                | 16.2 bar                   | 15.3 bar                    |
| 10                                  | -                        | 13.1 bar                  | 16.5 bar                | 15.7 bar                   | 15.1 bar                    |
| 25                                  | -                        | 12.6 bar                  | 15.9 bar                | 15.2 bar                   | 14.7 bar                    |
| 50                                  | -                        | 12.2 bar                  | 15.4 bar                | 14.7 bar                   | 14.5 bar                    |
| at temperature up to 60 °C (140 °F) |                          |                           |                         |                            |                             |
| 1                                   | -                        | 12.2 bar                  | 15.4 bar                | 14.7 bar                   | 13.5 bar                    |
| 5                                   | -                        | 11.4 bar                  | 14.3 bar                | 13.7 bar                   | 13.0 bar                    |
| 10                                  | -                        | 11.0 bar                  | 13.8 bar                | 13.2 bar                   | 12.7 bar                    |
| 25                                  | -                        | 10.5 bar                  | 13.3 bar                | 12.6 bar                   | 12.4 bar                    |
| 50                                  | -                        | 10.1 bar                  | 12.7 bar                | 12.1 bar                   | 12.2 bar                    |
| at temperature up to 65 °C (149 °F) |                          |                           |                         |                            |                             |
| 1                                   | -                        | 11.6 bar                  | 14.6 bar                | 13.9 bar                   | 12.4 bar                    |
| 5                                   | -                        | 10.8 bar                  | 13.6 bar                | 12.9 bar                   | 11.9 bar                    |
| 10                                  | -                        | 10.4 bar                  | 13.1 bar                | 12.5 bar                   | 11.7 bar                    |
| 25                                  | -                        | 10.0 bar                  | 12.6 bar                | 12.0 bar                   | 11.4 bar                    |
| 50                                  | -                        | 8.8 bar                   | 11.1 bar                | 10.6 bar                   | 11.2 bar                    |
| at temperature up to 70 °C (158 °F) |                          |                           |                         |                            |                             |
| 1                                   | -                        | 10.3 bar                  | 13.0 bar                | 12.4 bar                   | 11.4 bar                    |
| 5                                   | -                        | 9.5 bar                   | 11.9 bar                | 11.4 bar                   | 10.9 bar                    |
| 10                                  | -                        | 9.3 bar                   | 11.7 bar                | 11.1 bar                   | 10.7 bar                    |
| 25                                  | -                        | 8.0 bar                   | 10.1 bar                | 9.6 bar                    | 10.4 bar                    |
| 30                                  | -                        | 7.0 bar                   | 8.8 bar                 | 9.3 bar                    | 10.3 bar                    |
| 50                                  | -                        | 6.7 bar                   | 8.5 bar                 | 8.1 bar                    | 10.2 bar                    |