



Polyethylene pressure pipe systems offer many advantages when compared to traditional products, namely:

- Low lifecycle costing
- Can be mechanically joined
- Excellent abrasion resistance
- Manufactured in long lengths and coils
- Highly corrosion and chemical resistant
- Does not support micro-organism growth
- Service performance in excess of 50 years
- Homogenous joints (electrofusion and butt weld)
- Weather resistance in above ground applications
- Manufactured to local and internationally accepted standards
- Ease of handling and installation — exceptional toughness and lightweight.

Sizes — Currently 20mm –250mm aimed to expand to 630mm in order to supply all the popular size ranges.

Pressure ratings 4-25 BAR Design Stress 8.0 MPa

Lengths supplied 20mm -90 mm in 100m coils. 110mm in 50m coils. Coil size can be discussed to accommodate delivery needs. 125mm upwards, supplied in 6m, 12m and 24m straight lengths.

Pipe Ends / Jointing - Plain-ended, joined with either compression, electrofusion or butt weld fittings, Stub and Flanged .

Temperature - Pressure De-rating

Temperature Of Pipe in°C	De-rating Factor Apply to Maximum Working
0 - 20	1.0
20 - 25	0.9
25 - 30	0.8
30 - 35	0.7
35 - 40	0.6
40 - 45	0.5
45 - 50	0.4

The rated working pressure of an HDPE water pipe is determined at 20°C. Where the operating temperature of the fluid in the pipe exceeds 20°C, the pressure rating of the pipe has to be de-rated in order to maintain the designed safety of the pipe.

Chemical Resistance

HDPE pipes are resistant to a wide range of chemicals and industrial solvents. For more detailed info, please contact our technical team.

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