

FloPlast

**MDPE
Systems**



MDPE Systems

FloPlast 'Supreme' MDPE range offers everything you could ask of a mains water supply system. The 'Supreme' range is suitable for use below ground on cold water services with polyethylene pipes manufactured in accordance with the requirements of BS EN 12201 - 2 (BLUE).



High impact resistant Body and Nut which enables it to absorb thermal and mechanical stress.



Maximum operating pressure is 16 bar for 20mm pipe. All other sizes are 12.5 bar.



Tested and approved by a number of different testing institutes worldwide.



Water Regulations Advisory Scheme Approved (WRAS) product. 20mm to 63mm range of fittings.

All the 'Supreme' range of fittings are WRAS approved to resist pressure up to 16 bar.



- Simple and quick to connect:
- to fit the pipe you don't need to dismantle the connector
 - you don't need to chamfer the pipe
 - you won't lose any pieces on the job site!

**The fittings
have a
copolymer
polypropylene
Body, Nut Body
and Guide
Ring, Acetal
Grab Ring and
Nitrile Seal.**



"Supreme" MDPE Fittings

16 bar. Material: Copolymer Polypropylene. Standard: BS EN 12201-2

Pipe Liner



Size	Code
20mm	491000
25mm	492000
32mm	493000

Coupling



Size	Code
20mm	495112
25mm	496112
32mm	493012
50mm	495012
63mm	496012

90° Elbow



Size	Code
20mm	495115
25mm	496115
32mm	493015
50mm	495015
63mm	496015

90° Tee



Size	Code
20mm	495124
25mm	496124
32mm	493024
50mm	495024
63mm	496024

Terminal Cap



Size	Code
20mm	491006
25mm	492006
32mm	493006

Stopcock



Size	Code
20mm	495142
25mm	496142
32mm	493042

Universal Adaptor



Size	Code
20x15-21mm	491007
25x15-21mm	492007
25x21-27mm	492008
25x27-34mm	492009

Adaptor Kit for Copper Pipe BS EN 1057

(Pull out resistant)



Size	Code
20x15mm Copper	495103
25x22mm Copper	496103

Reducing Coupling



Size	Code
25x20mm	496113
32x25mm	493213
50x32mm	495313

"Supreme" MDPE Fittings

16 bar. Material: Copolymer Polypropylene. Standard: BS EN 12201-2

Reducing 90° Tee



Size	Code
25x20x25mm	492125
32x25x32mm	493225
50x32x50mm	495325

Male Adaptor



Size	Code
20mm x 1/2"	491102
20mm x 3/4"	495102
25mm x 1/2"	492102
25mm x 3/4"	496102
25mm x 1"	492302
32mm x 3/4"	493202
32mm x 1"	493302

Female Adaptor



Size	Code
20mm x 1/2"	491103
20mm x 3/4"	495203
25mm x 1/2"	492103
25mm x 3/4"	496203
25mm x 1"	492303
32mm x 3/4"	493203
32mm x 1"	493303

Wall Plate Elbow



Size	Code
20mm x 1/2"	495105
25mm x 3/4"	496105

Medium Density Polyethylene Pipe (MDPE)

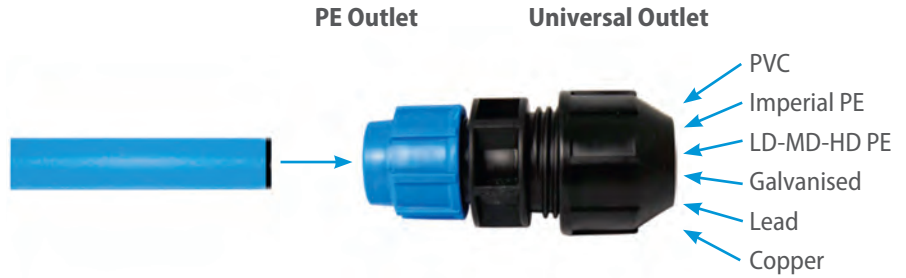
20mm 16 bar. All other sizes 12.5 bar. Material: Polyethylene

	25m Coil	50m Coil	100m Coil	150m Coil
Nom Size O.D	Code	Code	Code	Code
20mm Pipe	111601	111602	111603	111604
25mm Pipe	112601	112602	112603	112604
32mm Pipe	113601	113602	113603	113604
50mm Pipe	115601	115602	115603	115604
63mm Pipe	116601	116602	116603	116604



Universal Adaptor

- ✓ PP-B body and EPDM gasket.
- ✓ Working pressure at 20°C PN 16.
- ✓ Stainless steel grippers, incorporated in the clamp ring, provide pull out resistance.
- ✓ Universal adaptors are available in 20mm and 25mm MDPE.
- ✓ No special tools required.
- ✓ Suitable for lead, copper, zinc plated and plastic pipes.



Assembly

1 Pipe and fitting preparation

Cut the pipe square and remove any burrs (insert pipe liner).
Unscrew the nut to the last thread leaving it on the fitting.

2 Pipe Insertion

Twist the pipe into the fitting up to the first stop. The pipe has reached the pipe guide and seal.

The pipe guide aids pipe insertion ensuring that the seal is correctly located.

3 Insert up to the body pipe stop

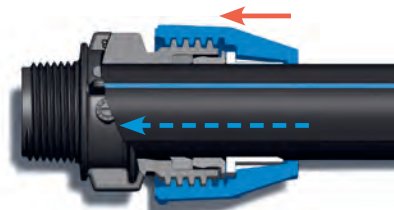
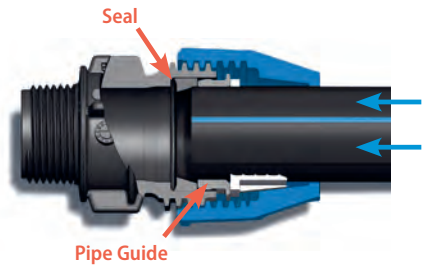
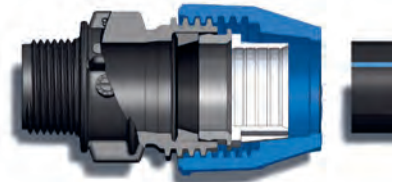
Push the pipe through the pipe guide and seal until it reaches the stop within the body.

Pipe Size	Insertion Depth
20mm	55mm
25mm	55mm
32mm	70mm
50mm	100mm*
63mm	120mm*

For MDPE materials the pipe should not normally be cold bent to a radius less than 25 times the outer diameter of the pipe. In special circumstances and only in the smaller service diameters this requirement may be relaxed to 15 x O.D for SDR 11 pipe, provided no joints or tapings occur on the bend and great care is taken not to kink the pipe.

4 Screwing the nut

Tighten the nut by hand.



* Indicative insertion depth

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