

## Pipe, Fittings and Pipe Joints for Underground Fire Service Mains

Underground fire service mains are made from many different materials. Cast iron, ductile iron, stainless steel pipe, Polyvinyl Chloride (PVC), Polyethylene (PE), and Fiber Reinforced Composite (FRP of Fiberglass) pipe and fittings are acceptable when they are FM Approved.

Installation of these products should conform to FM Global Property Loss Prevention Data Sheets.

### Polyethylene Pipe and Fittings

Polyethylene pipe should be installed and anchored according to the pipe manufacturer's instructions and FM Global Property Loss Prevention Data Sheets. For underground use only.

Nominal pipe size is the approximate outside diameter of the pipe. Refer to manufacturer's catalog for pipe inside diameter.

### Performance Pipe, Polyethylene Pipe and Fittings

<b>Product Designation</b>	<b>Nominal Pipe Size, in.</b>	<b>Pressure Rating, psi (kPa)</b>	<b>Remarks</b>
DRISCOPEX 4100 IPS Class 200 Pipe	2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	200 (1380)	a, b, c, d, e
DRISCOPEX 4100 IPS Class 250 Pipe	2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	250 (1725)	a, b, c, d, e
DRISCOPEX 4100 IPS Class 335 Pipe	2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	335 (2310)	a, b, c, d, e
DRISCOPEX 4000 DIPS Class 200 Pipe	4, 6, 8, 10, 12, 14, 16, 18, 20, 24	200 (1380)	a, b, c, d, e, f
DRISCOPEX 4000 DIPS Class 250 Pipe	4, 6, 8, 10, 12, 14, 16, 18, 20, 24	250 (1725)	a, b, c, d, e, f
<b>DRISCOPEX 1500 Fittings, Class 200</b>			
Elbows $\leq 90^\circ$	2, 3, 4, 6, 8	200 (1380)	a, b, e
Wall Anchors DIPS and IPS	2, 3, 4, 6, 8, 10, 12	200 (1380)	a, b, e, f
Equal Tees	2, 3, 4, 6, 8	200 (1380)	a, b, e
End Caps	2, 3, 4, 6, 8	200 (1380)	a, b, e
Flange Adapters	2, 3, 4, 6, 8, 10, 12, 14, 16, 18	200 (1380)	a, b, e

Reducers	3x2, 4x2, 4x3, 6x4, 8x6	200 (1380)	a, b, e
MJ Adaptors (IPS)	3, 4, 6, 8, 10, 12	200 (1380)	a, b, e
MJ Adaptors (DIPS)	4, 6, 8, 10, 12	200 (1380)	a, b, f
Branch Saddles - Round Base (IPS) Outlet	2, 3, 4, 6, 8	200 (1380)	a, b, e
Branch Saddles - Rectangular Base (IPS Outlet)	2	200 (1380)	a, b, e
<b>DRISCOPEX 1500 Fittings,  Class 250</b>			
Wall Anchors DIPS and IPS	2, 3, 4, 6, 8, 10, 12	250 (1725)	a, b, e, f
Elbows $\leq 90^\circ$	2, 3, 4, 6, 8	250 (1725)	a, b, e
Equal Tees	2, 3, 4, 6, 8	250 (1725)	a, b, e
End Caps	2, 3, 4, 6, 8	250 (1725)	a, b, e
Flange Adapters IPS	2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24	250 (1725)	a, b, e
Flange Adapters DIPS	2, 3, 4, 6, 8, 10, 12, 14, 16	250 (1725)	a, b, f
Reducers	3x2, 4x2, 4x3, 6x4, 8x6	250 (1725)	a, b, e
MJ Adaptors (IPS)	3, 4, 6, 8, 10, 12	250 (1725)	a, b, e
MJ Adaptors (DIPS)	4, 6, 8, 10, 12	250 (1725)	a, b, f
Branch Saddles - Round Base (IPS Outlet)	2, 3, 4	250 (1725)	a, b, e
Branch Saddles - Rectangular Base (IPS Outlet)	2	250 (1725)	a, b, e
<b>DRISCOPEX 1500 Fittings, Class 335</b>			
Equal Tees	2, 3, 4, 6, 8	335 (2310)	a, b, e
Elbows, $90^\circ$	2, 3, 4, 6, 8	335 (2310)	a, b, e

Elbows, 45°	2, 3, 4, 6, 8	335 (2310)	a, b, e
End Caps	2, 3, 4, 6, 8	335 (2310)	a, b, e
Flange Adapters	2, 3, 4, 6, 8	335 (2310)	a, b, e
Reducers	3x2, 4x2, 4x3, 6x4, 8x6	335 (2310)	a, b, e
Back-Up Rings, Epoxy Coated DI			
Back-Up Rings, Epoxy Coated DI (IPS)	2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	200 (1380)	e
Back-Up Rings, Epoxy Coated DI (IPS)	2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	250 (1725)	e
Back-Up Rings, Epoxy Coated DI (DIPS)	2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	200 (1380)	f
Back-Up Rings, Epoxy Coated DI (DIPS)	2, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	250 (1725)	f

**Remarks:**

- a. Pipe and fittings may be directly connected together by the butt fusion process. Manufacturer fusion instructions must be strictly followed for a proper fusion joint.
- b. The pipe and fittings may also be provided with flange adapters and back-up rings and bolted together. Back-up rings must be pressure rated at or above the pressure rating of the pipe on which they are installed.
- c. Pipe may be supplied as black, or with red stripe, or with blue stripe.
- d. Pipe may be marked with the FM Approval Mark and any combination of NSF, AWWA or ASTM designations.
- e. The diameter basis is IPS sizes.
- f. The diameter basis is DIPS sizes.

<b>Company Name:</b>	Performance Pipe A Division of Chevron Phillips Chemical Company LP
<b>Company Address:</b>	5085 West Park Blvd, Suite 500, Plano, Texas 75093, USA
<b>Company Website:</b>	<a href="http://performancepipe.com">http://performancepipe.com</a>
<b>New/Updated Product Listing:</b>	No
<b>Listing Country:</b>	United States of America
<b>Certification Type:</b>	FM Approved
<b>Class of Work:</b>	1613-Pipe Ftngs, Undg, PE