

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 or 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.

Fiber Reinforced Composite Pipe and Fittings

Pipe and fittings made in various configurations of fiber reinforced composites are acceptable when FM Approved.

Installation of pipe and fittings should be according to pipe manufacturer's instructions and FM Approvals standards. For underground use only.

Fiber Reinforced Composite Pipe and Fittings

<i>Product Designation</i>	<i>Nominal Pipe Size, in.</i>	<i>Pressure Rating, psi (kPa)</i>	<i>Remarks</i>
Pipe, Class 200			
011040-073-3	4	200 (1380)	a, b, c, d, f
011060-120-3	6	200 (1380)	a, b, c, d, f
011080-126-3	8	200 (1380)	a, b, c, d, f
011100-156-3	10	200 (1380)	a, b, c, d, f
011120-185-3	12	200 (1380)	a, b, c, d, f
011140-220-3	14	200 (1380)	a, b, c, d, f
011160-250-3	16	200 (1380)	a, b, c, d, f
Fittings, Sleeve Coupling, Class 200			
012040-101-5	4	200 (1380)	d, e, f
012060-101-3	6	200 (1380)	d, e, f
012080-101-3	8	200 (1380)	d, e, f
012100-101-3	10	200 (1380)	d, e, f
012120-101-3	12	200 (1380)	d, e, f
012140-101-3	14	200 (1380)	d, e, f
012160-101-3	16	200 (1380)	d, e, f
Elbow 45°, Class 200			
022040-310-3	4	200 (1380)	d, e

022060-310-3	6	200 (1380)	d, e
022080-310-3	8	200 (1380)	d, e
022100-310-3	10	200 (1380)	d, e
022120-310-3	12	200 (1380)	d, e
022140-310-3	14	200 (1380)	d, e
022160-310-3	16	200 (1380)	d, e
Elbow 90°, Class 200			
022040-360-3	4	200 (1380)	d, e
022060-360-3	6	200 (1380)	d, e
022080-360-3	8	200 (1380)	d, e
022100-360-3	10	200 (1380)	d, e
022120-360-3	12	200 (1380)	d, e
022140-360-3	14	200 (1380)	d, e
022160-360-3	16	200 (1380)	d, e
Equal Tee, Class 200			
022040-410-3	4	200 (1380)	d, e
022060-410-3	6	200 (1380)	d, e
022080-410-3	8	200 (1380)	d, e
022100-410-3	10	200 (1380)	d, e
022120-410-3	12	200 (1380)	d, e
022140-410-3	14	200 (1380)	d, e
022160-410-3	16	200 (1380)	d, e
Concentric Reducer, Class 200			
022060-236-3	6 x 4	200 (1380)	d, e

022080-237-3	8 x 6	200 (1380)	d, e
022080-235-3	10 x 8	200 (1380)	d, e
022100-237-3	12 x 10	200 (1380)	d, e
022100-235-3	8 x 4	200 (1380)	d, e
022120-237-3	10 x 6	200 (1380)	d, e
022120-235-3	12 x 8	200 (1380)	d, e
022140-237-3	14 x 10	200 (1380)	d, e
022140-235-3	14 x 12	200 (1380)	d, e
022160-237-3	16 x 12	200 (1380)	d, e
022160-235-3	16 x 14	200 (1380)	d, e
Flange, Class 200			
022040-172-3	4	200 (1380)	d, e
022060-172-3	6	200 (1380)	d, e
022080-172-3	8	200 (1380)	d, e
022100-172-3	10	200 (1380)	d, e
022120-172-3	12	200 (1380)	d, e
022140-172-3	14	200 (1380)	d, e
022160-172-3	16	200 (1380)	d, e
Reducing Tee Class 200			
022080-460-3	8 x 6	200 (1380)	d, e
022100-460-3	10 x 6	200 (1380)	d, e
022100-480-3	10 x 8	200 (1380)	d, e
022120-460-3	12 x 6	200 (1380)	d, e
022120-480-3	12 x 8	200 (1380)	d, e

022120-490-3	12 x 10	200 (1380)	d, e
022140-460-3	14 x 6	200 (1380)	d, e
022140-480-3	14 x 8	200 (1380)	d, e
022140-490-3	14 x 10	200 (1380)	d, e
022140-490-3	14 x 12	200 (1380)	d, e
022160-460-3	16 x 6	200 (1380)	d, e
022160-480-3	16 x 8	200 (1380)	d, e
022160-490-3	16 x 10	200 (1380)	d, e
022160-492-3	16 x 12	200 (1380)	d, e
022160-494-3	16 x 14	200 (1380)	d, e
FW - Filament wound manufacturing process.			
CNC Winder - Use for 8 in. and above.			

Remarks

- a. Pipe lengths available in two configurations: two spigot ends or one spigot and one bell end.
- b. Pipes equipped with two spigot ends joined by sleeve couplings.
- c. Pipes equipped with one bell and one spigot end joined by bell and spigot joints.
- d. Joints must be made with adhesive kit No. 7014, 7069, 7024 or 7054.
- e. Fittings with bell ends.
- f. Joints must be made with adhesive kit No. 8014, 8024, 8069 or 8069-C.

Company Name:	National Oilwell Varco Smith Fibercast™ Products Div
Company Address:	2700 W 65th St, Little Rock, Arkansas 72209, USA
Company Website:	http://www.nov.com
Listing Country:	United States of America
Certification Type:	FM Approved