

Pipe Fittings

These fittings are suitable for interconnecting piping, valves and other components in both wet and dry automatic sprinkler systems. Installation should be according to applicable sprinkler system fabrication rules. These rules limit the minimum size of sprinkler piping to 1 in., nominal. FM Approved pipe fittings of smaller sizes are intended for use as valve trim, gauge connections, and for other peripheral service. The water flow path of the sprinkler system cannot be designed using smaller sizes than 1 in., nominal. Unless otherwise noted in the listing, these fittings have 175 psi (1205 kPa) rated working pressure.

Threaded connections on fittings can be made to FM Approved threadable thinwall pipe or to Schedule 40 pipe. Refer to the "Steel Pipe" listings for a summary of the various types of FM Approved steel pipe suitable for threading or grooving."

The fittings manufacturer's installation instructions must be observed in all cases. When connections are made to FM Approved pipe, the pipe manufacturer's installation instructions must also be followed.

Unless otherwise stated below, the maximum ambient temperature to which these fittings should be subjected is 225°F (107°C).

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<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>	<i>Max Working Pressure, psi (kPa)</i>	<i>Remarks</i>
1FIS	Slip-On Flange Welded	2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	175 (1205)	a
1FLB	Blind Flange Welded	2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	175 (1205)	a
1FLR	Reducing Flange Welded	2-1/2 x 2, 3 x 2, 2-1/2, 4 x 2, 2-1/2, 3, 6 x 2, 2-1/2, 3, 4, 8 x 3, 4, 6	175 (1205)	a

a. Standard threaded pipe fittings conforming to SAE / AISI 1020 Steel. ANSI B2.1 NPT internal threads.

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>	<i>Max Working Pressure, psi (kPa)</i>	<i>Remarks</i>
DF100	90° Elbow Threaded	1, 1-1/4, 1-1/2, 2	500 (3445)	a
DF101	Reducing Elbow Threaded	1 x 1/2, 1 x 3/4, 1-1/4 x 1/2, 3/4, 1, 1-1/2 x 1, 1-1/4, 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2	500 (3445)	a
DF102	45° Elbow Threaded	1, 1-1/4, 1-1/2, 2	500 (3445)	a
DF103	Tees Threaded	1, 1-1/4, 1-1/2, 2	500 (3445)	a
DF104	Reducing Tees Threaded	1 x 1 x 1/2, 3/4, 1 x 1/2 x 1, 1 x 3/4 x 1, 1-1/4 x 1 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 1-1/4 x 1-1/4 x 1/2, 3/4, 1, 1-1/2 x 1 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 1-1/2 x 1-1/4 x 1/2, 3/4, 1, 2, 1-1/2 x 1-1/2 x 1/2, 3/4, 1, 1-1/4, 2, 2 x 1 x 2, 2 x 1-1/4 x 2, 2 x 1-1/2 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2 x 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2	500 (3445)	a

DF105	Bullhead Tee Threaded	1 x 1 x 1-1/4, 1-1/2 1-1/4 x 1-1/4 x 1-1/2, 2	500 (3445)	a
DF106	Cross Threaded	1, 1-1/4, 1-1/2, 2	500 (3445)	a
DF107	Reducing Cross Threaded	1-1/4 x 1 1-1/2 x 1 2 x 1	500 (3445)	a
DF108	Coupling Threaded	1, 1-1/4, 1-1/2, 2	500 (3445)	a
DF108	Reducing Coupling Threaded	1 x 1/2, 3/4 1-1/4 x 1/2, 3/4, 1 1-1/2 x 1/2, 3/4, 1, 1-1/4 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2 2-1/2 x 1-1/2, 2 3 x 1-1/2, 2, 2-1/2 4 x 2, 3	500 (3445)	a
DF109	Cap Threaded	1, 1-1/4, 1-1/2, 2	500 (3445)	a
DF109	Hex Bushing Threaded	1 x 1/2, 3/4 1-1/4 x 1 1-1/2 x 1, 1-1/4 2 x 1, 1-1/4, 1-1/2	500 (3445)	a
CF100	90° Elbow Threaded	1, 1-1/4, 1-1/2, 2	300 (2070)	b
CF101	Tees Threaded	1, 1-1/4, 1-1/2, 2	300 (2070)	b
CF102	45° Elbow Threaded	1, 1-1/4, 1-1/2, 2	300 (2070)	b
CF103	Cross Threaded	1 x 1/2, 3/4	300 (2070)	b
CF104	Reducing Coupling Threaded	1 x 1/2, 3/4	300 (2070)	b
CF105	Pipe Plug Threaded	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300 (2070)	b
CF106	Reducing Elbow Threaded	1 x 1/2, 1 x 3/4 1-1/4 x 1/2, 3/4, 1 1-1/2 x 1/2, 3/4, 1, 1-1/4 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2	300 (2070)	b
CF107	Reducing Cross Threaded	1-1/4 x 1 1-1/2 x 1 2 x 1	300 (2070)	b
CF108	Reducing Tee Threaded	1 x 1 x 1/2, 3/4 1 x 1/2 x 1 1 x 3/4 x 1 1-1/4 x 1 x 1/2, 3/4, 1, 1-1/4, 1-1/2 1-1/4 x 1-1/4 x 1/2, 3/4, 1 1-1/2 x 1 x 1/2, 3/4, 1, 1-1/4, 1-1/2 1-1/2 x 1-1/4 x 1/2, 3/4, 1, 1-1/4, 1-1/2 1-1/2 x 1-1/2 x 1/2, 3/4, 1, 1-1/4, 2 2 x 1 x 2 2 x 1-1/4 x 2 2 x 1-1/2 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2 2 x 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2	300 (2070)	b

CF109	Bullhead Tee Threaded	1 x 1 x 1-1/4, 1-1/2 1-1/4 x 1-1/4 x 1-1/2, 2 2 x 2 x 2-1/2	300 (2070)	b
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- a. Ductile Iron
- b. Grey Cast Iron

Company Name:	Sigma Piping Products
Company Address:	700 Goldman Dr, Cream Ridge, New Jersey 08514, USA
Company Website:	http://www.sigmapipingproducts.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved