

Flange Adapter

Figure 71

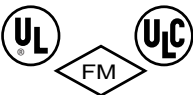
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 451 North Cannon Avenue, Lansdale, Pennsylvania 19446 --- USA
 Customer Service/Sales: Tel: (215) 362-0700 / Fax: (215) 362-5385
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Grooved Piping Products



General Description



See Fire Protection Submittal Sheet for pressure rating and Listing and Approval information

The Figure 71 Flange Adapter allows a direct transition from flanged components into a grooved piping system. Flange bolt patterns conform to ANSI Class 125 and 150 standards.



Technical Data

Figure: 71
Sizes: 2" - 12"

Approvals:

UL, FM, and ULC

See Fire Protection Submittal Sheet for exact Listing / Approval information.

Manufacturing Source:

Domestic

Housing:

Ductile iron conforming to ASTM A-536, Grade 65-45-12

Protective Coatings:

- Non-lead orange paint
- Hot dipped galvanized conforming to ASTM A-153

Gasket: (specify when ordering)

- Grade E EPDM green color code
- Pre-lubricated (Grade E EPDM)

(See Gasket Grades and Recommendations Sheet for aid in selecting the proper gasket)



Ordering Procedure

Ordering Information: When placing an order, indicate the full product name. Please specify the quantity, figure number, type of gasket, EPDM "E", and size.

Availability and Service: Grooved Piping Products, valves, accessories and other products are available throughout the U.S., Canada, and internationally, through a network of distribution centers. You may write directly or call 215-362-0700 for the distributor nearest you.



Care and Maintenance

The owner is responsible for the inspection, testing, and maintenance of their fire protection system and devices in accordance with the applicable standards of the National Fire Protection Association (e.g., NFPA 25), in addition to the standards of any authority having jurisdiction. The installing contractor or product manufacturer should be contacted relative to any questions. Any impairment must be immediately corrected.

It is recommended that automatic sprinkler systems be inspected, tested, and maintained by a qualified Inspection Service.



Limited Warranty

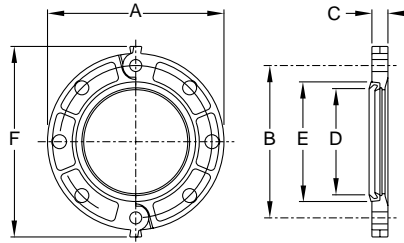
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Figure 71 Flange Adapter



Pipe		Max † Pressure psi kPa	Max † End Load Lbs. N	Dimensions						Bolts ‡		Net Wt. lbs. kg
Size	O.D.			A Inches mm	B Inches mm	C Inches mm	*D Inches mm	*E Inches mm	F Inches mm	Size Dia. x Lg.	Qty.	
2"	2.375"	250 1,724	1,107 4,924	6.38 162.1	4.75 120.7	0.75 19.1	2.38 60.5	3.41 86.6	7.25 184.2	5/8" x 3"	4	3.0 1.4
2½"	2.875"	250 1,724	1,622 7,215	7.00 178.0	5.50 140.0	0.88 22.0	2.88 73.0	3.91 99.0	7.88 200.0	5/8" x 3"	4	5.0 2.3
3"	3.500"	250 1,724	2,404 10,693	7.50 190.5	6.00 152.4	0.94 23.9	3.50 88.9	4.53 115.1	9.88 251.0	5/8" x 3"	4	5.6 2.5
4"	4.500"	250 1,724	3,974 17,676	9.00 228.6	7.50 190.5	0.94 23.9	4.50 114.3	5.53 140.5	9.90 251.5	5/8" x 3"	8	7.0 3.2
5"	5.563"	250 1,724	6,073 27,013	10.00 254.0	8.50 215.9	1.00 25.4	5.56 141.2	6.72 170.7	11.38 289.1	¾" x 3½"	8	9.2 4.2
6"	6.625"	250 1,724	8,614 38,315	11.00 279.4	9.50 241.3	1.00 25.4	6.62 168.1	7.78 197.6	11.88 301.8	¾" x 3½"	8	10.0 4.5
8"	8.625"	250 1,724	14,599 64,936	13.50 342.9	11.75 298.5	1.13 28.7	8.62 218.9	9.94 252.5	14.38 365.3	¾" x 3½"	8	16.6 7.5
10"	10.750"	250 1,724	22,679 100,876	16.00 406.4	14.25 362.0	1.19 30.2	10.75 273.1	12.31 312.7	16.88 428.8	7/8" x 4"	12	21.8 9.9
12"	12.750"	250 1,724	31,903 141,905	19.00 482.6	17.00 431.8	1.25 31.8	12.75 323.9	14.31 363.5	20.00 508.0	7/8" x 4"	12	24.2 11.0

† Maximum pressure and end load are total from all loads based on standard weight steel pipe. Pressure ratings and end loads may differ on other pipe materials and/or wall thickness. Contact Tyco Fire Products for details. See Fire Protection Equipment Submittal Sheet for Listing and Approval pressure ratings.

* Dimensions D and E represent minimum and maximum sealing surfaces.

‡ Bolts and Nuts are not supplied. Bolt lengths are standard; it is the responsibility of the purchaser to verify correct length for the intended application.



General Notes: It is the Designer's responsibility to select products suitable for the intended service and to ensure that pressure ratings and performance data is not exceeded. Always read and understand the installation instructions (IH-1000). Never remove any piping component nor correct or modify any piping deficiencies without first depressurizing and draining the system. Material and gasket selection should be verified to be compatible for the specific application.