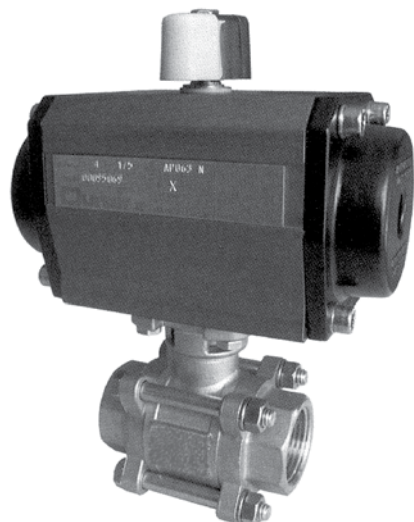




3 PC DIRECT-MOUNT AUTOMATION SERIES

Valve Features



- 3-Piece Body, Full Port Design
- 1/4" to 3" Sizes
- Threaded or Socket-Weld Ends
- Body: CF8M, 316SS
- RTFE Seats or TFM
- Pressure Rating:

1/4" - 1" 1500 PSI
 1-1/4" - 1-1/2" 1250 PSI
 2" 1000 PSI
 2-1/2" - 3" 800 PSI
 Temperature Range:
 (-20° F - 450° F)

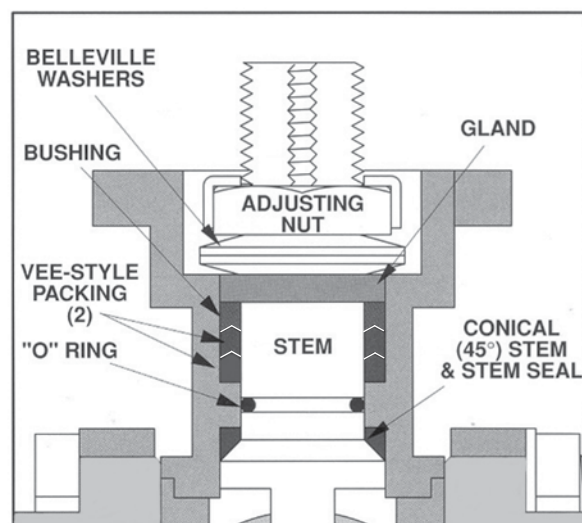
Models: #DM310 - Threaded Ends / #DM320 Socket-Weld Ends

Design Advantages

- ISO 5211 Direct Mounting Pad - Provides for precise shaft alignment and eliminates the need for brackets and couplings
- 3-Piece Swing Out Design for easy maintenance
- Improved Seat Material - Extends cycle life and reduces torque
- Blowout Proof Stem
- Anti-Static Device - Standard in all sizes
- Locking Device standard for valves with handles
- Adjustable "Live Loaded" Stem Seal

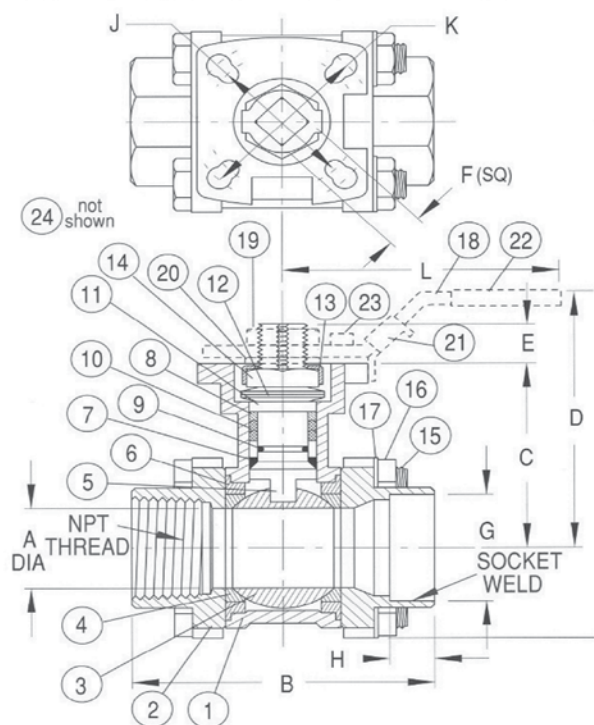
Stem Seal Design

Flo-Tite's triple stem seal detail provides for an extended valve cycle life. The primary seal is a tapered seal ring that fits firmly on a tapered portion of the stem shoulder. The secondary (back-up) seal is provided by an O-ring and a set of Vee packing rings, energized by belleville washers. This design adjusts packing compression to compensate for wear, pressure or temperature fluctuations.

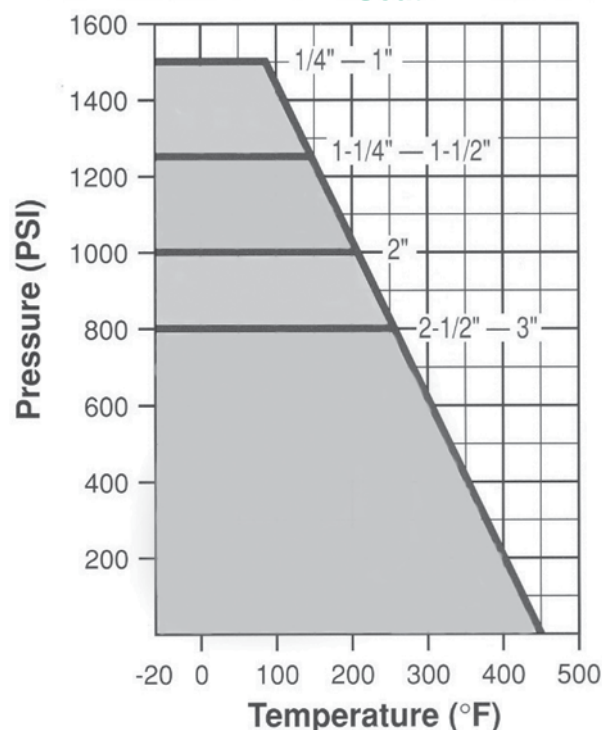


Flo-Tite's "DM" design eliminates mounting brackets and all their possible related problems. Ideally designed for low profile, cost effective industrial applications.

Design and Technical Data



Pressure/Temperature Curve RTFE Seat



Note: Super-Tek (TFM) Seating handles temperatures up to 550° F

Dimensions and Weights

Valve Size	A	B	C	D	E	F	G	H	J	K	L	Weight Lbs.	Cv	Torque In-#	ISO5211
1/4	0.45	2.50	1.65	3.06	0.30	0.35	0.555	0.38	1.42	1.65	5.50	1.41	8	50	F03/F04
3/8	0.50	2.50	1.65	3.06	0.30	0.35	0.690	0.38	1.42	1.65	5.50	1.36	10	50	F03/F04
1/2	0.59	2.62	1.65	3.06	0.30	0.35	0.855	0.38	1.42	1.65	5.50	1.46	15	50	F03/F04
3/4	0.79	3.00	1.89	3.25	0.30	0.35	1.065	0.50	1.42	1.65	5.50	1.82	35	70	F03/F04
1	0.99	3.38	2.23	3.88	0.43	0.43	1.330	0.50	1.65	1.97	6.50	2.75	60	100	F04/F05
1-1/4	1.26	4.06	2.40	4.00	0.43	0.43	1.675	0.50	1.65	1.97	6.50	4.16	105	220	F04/F05
1-1/2	1.50	4.68	3.05	5.00	0.54	0.55	1.915	0.50	1.97	2.76	8.50	6.98	138	390	F05/F07
2	1.97	5.17	3.36	5.38	0.54	0.55	2.406	0.62	1.97	2.76	8.50	9.78	270	480	F05/F07
2-1/2	2.56	6.46	4.28	6.63	0.66	0.67	2.906	0.62	2.76	4.02	10.38	19.63	380	1050	F07/F10
3	3.15	7.19	4.63	7.00	0.66	0.67	3.535	0.62	2.76	4.02	10.38	25.92	580	1500	F07/F10

Steam Rating 150 PSI WSP
250 PSI available with SuperTek II seats.

Vacuum Service to 20 microns

Super-Tek (TFM) Seating provides for excellent service at elevated temperatures while providing low operating value torque

Standards

ANSI/ASME - B16.11

ISO - 5211

MSS - SP25, SP72

Models

Threaded - DM310

Socket - Weld - DM320

Note: The right is reserved to change or modify product design or construction without prior notice and without incurring any obligation to make such changes or modifications on products previously or subsequently sold.

Materials of Construction

Item	Description	Material	Quantity	Item	Description	Material	Quantity
1.	Body	CF8M (316SS)	1	12.	Belleville Washer	301 SS	2
2.	End Adapters- Thd End Weld End	CF8M (316SS) CF3M (316L)	2	13.	Lock Saddle	304 SS	1
3.	Ball	316 SS	1	14.	Adjusting Nut	304 SS	1
4.	Seat	RTFE / TFM	2	15.	Bolt	304 SS	4
5.	Stem	316 SS	1	16.	Nut	304 SS	4
6.	End Seal	RTFE / TFM	2	17.	Washer	304 SS	4
7.	Thrust Washer	RTFE / TFM	1	18.	Handle*	304 SS	1
8.	Bushing	RTFE / TFM	1	19.	Handle Nut*	304 SS	1
9.	O-ring	Viton	1	20.	Stem Washer*	304 SS	1
10.	Packing	PTFE	2	21.	Locking Device*	304 SS	1
11.	Gland	304 SS	1	22.	Handle Sleeve*	Vinyl	1
				23.	Stop Pin*	304 SS	1
				24.	Anti-Static Device	304 SS	1

*Handle and associated components optional.