



DIRECT CONNECT Series

Easier Automation from Flo-Tite



DM2000

API-607-7 Fire Safe
1/2"–4"



Optional
30° & 60° V-Ball
Control Valve
Available in:

- Flanged End
- 2 pc
- 3 pc

Model:

- DM-F15
- DMV-110
- DMV-2000



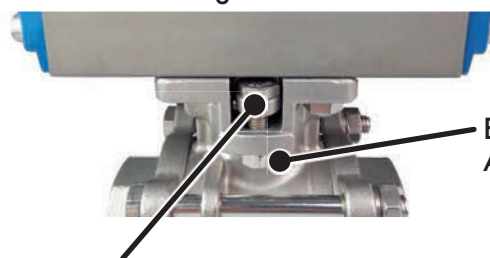
DM110

1/2"–3"

Design Features:

- Body: CF8M, 316SS
- Direct Mount - ISO 5211 Provides precise shaft alignment & eliminates the need for brackets and couplings
- Improved Seat Material - Extends cycle life and reduces torque
- Blowout-proof stem
- Anti-Static Device - Standard in all sizes
- Adjustable "Live-Loaded" Stem Seal

Bolted Packing Gland Design Provides Easy Adjustment of Stem Packing Even when "Direct Mounting" of Actuator is used.



Easy Adjustment

Stem Leak Detection Window Prevents Actuator Damage in the Event of Valve Stem Leakage.



DMMPT200

3-Way
1/2"–3"



DMW150

3/4"–6"



DMF15

1/2"–2"

Size Range:
½" to 2"

Pressure Rating:
2000 PSI MAWP/WOG

Temperature Range:
20° F to 450° F

Valve Features

- Two-Piece Body, Full Port Design
- Threaded NPT Ends
- Body: CF8M or WCB, 316SS
- Seats: RTFE or S-TEK



Design Advantages

- ISO 5211 Direct-Mounting Pad Provides for precise shaft alignment & eliminates the need for brackets and couplings
- Improved Seat Material - Extends cycle life and reduces torque
- Blow-out Proof Stem
- Adjustable "Live-Loaded" Stem Seal
- Optional Fire Safe Design - API 607-7
- Optional Seal Welded Body
- Consult Factory for Sizes: 2½", 3"

Models:

#DM2000-SS
#DM2000-CS

DM2000 Series

STANDARD PRODUCT NUMBER
DM2000-SS-SS-RRR-N
DM2000-CS-SS-RRR-N

Model: DM-2000

Actuator Sizing Chart

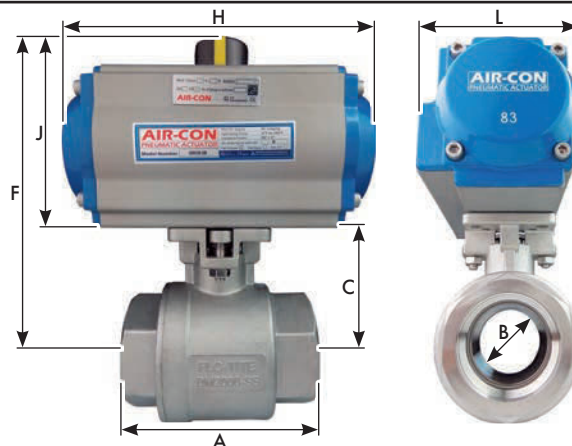
Flo-Tite Actuator Selections are based on units with standard seats with clean fluid only at ambient temperature.

Maximum temperature limitations for Direct-Mount Actuators: Electric 150° F; Pneumatic 180° F.

Special Brackets are available for higher temperatures, consult factory.

All valves are sized for line pressure up to maximum 800 WOG.

For higher line pressure applications, consult factory to assure proper actuator sizing.



					Actuator	ISO	Stem Insert (mm)	F	H	J	L	Actuator	ISO	Stem Insert (mm)	F	H	J	L
Size	A	B	C	ISO	Spring Return Actuator @80psi							Spring Return Actuator @60psi						
½"	2.56	0.59	2.01	F04/F05	SR63.12	F05/F07	9x11 14x11	6.26	6.61	4.25	3.35	SR63.8	F05/F07	9x11 14x11	6.26	6.61	4.25	3.35
¾"	2.87	0.79	2.05	F04/F05	SR63.12	F05/F07	9x11 14x11	6.30	6.61	4.25	3.35	SR63.8	F05/F07	9x11 14x11	6.30	6.61	4.25	3.35
1"	3.39	0.98	2.40	F04/F05	SR63.12	F05/F07	14x11	6.65	6.61	4.25	3.35	SR75.9	F05/F07	11x14	7.11	7.24	4.70	4.05
1½"	4.53	1.5	3.31	F05/F07	SR83.12	F05/F07	14x17	8.39	8.03	5.08	4.42	SR83.9	F05/F07	14x17	8.39	8.03	5.08	4.42
2"	5.28	2.01	3.66	F05/F07	SR92.12	F05/F07	14x17	9.03	10.31	5.37	4.78	SR105.9	F07/F10	14x17 17x22	9.68	10.55	6.02	4.99
3"	7.44	2.99	4.57	F07/F010	SR125.12	F07/F10	22x17	11.46	11.85	6.89	5.98	SR125.8	F07/F10	22x17	11.46	11.85	6.89	5.98
Size	A	B	C	ISO	Double Acting Actuator @80psi							Double Acting Actuator @60psi						
½"	2.56	0.59	2.01	F04/F05	DA52	F03/F05	9x11	5.63	5.79	3.62	3.15	DA52	F03/F05	9x11	5.63	5.79	3.62	3.15
¾"	2.87	0.79	2.05	F04/F05	DA52	F03/F05	9x11	5.67	5.79	3.62	3.15	DA52	F03/F05	9x11	5.67	5.79	3.62	3.15
1"	3.39	0.98	2.40	F04/F05	DA52	F03/F05	-	6.02	5.79	3.62	3.15	DA52	F03/F05	-	6.02	5.79	3.62	3.15
1½"	4.53	1.5	3.31	F05/F07	DA63	F05/F07	-	7.56	6.61	4.25	3.35	DA63	F05/F07	-	7.56	6.61	4.25	3.35
2"	5.28	2.01	3.66	F05/F07	DA75	F05/F07	-	8.36	7.24	4.70	4.05	DA83	F05/F07	14x17	8.74	8.03	5.08	4.42
3"	7.44	2.99	4.57	F07/F010	DA92	F05/F07	-	9.94	10.31	5.37	4.78	DA92	F05/F07	-	9.94	10.31	5.37	4.78

Design and Technical Data

Standards
ANSI/ASME B16.11
ISO 5211
MSS SP25, SP72

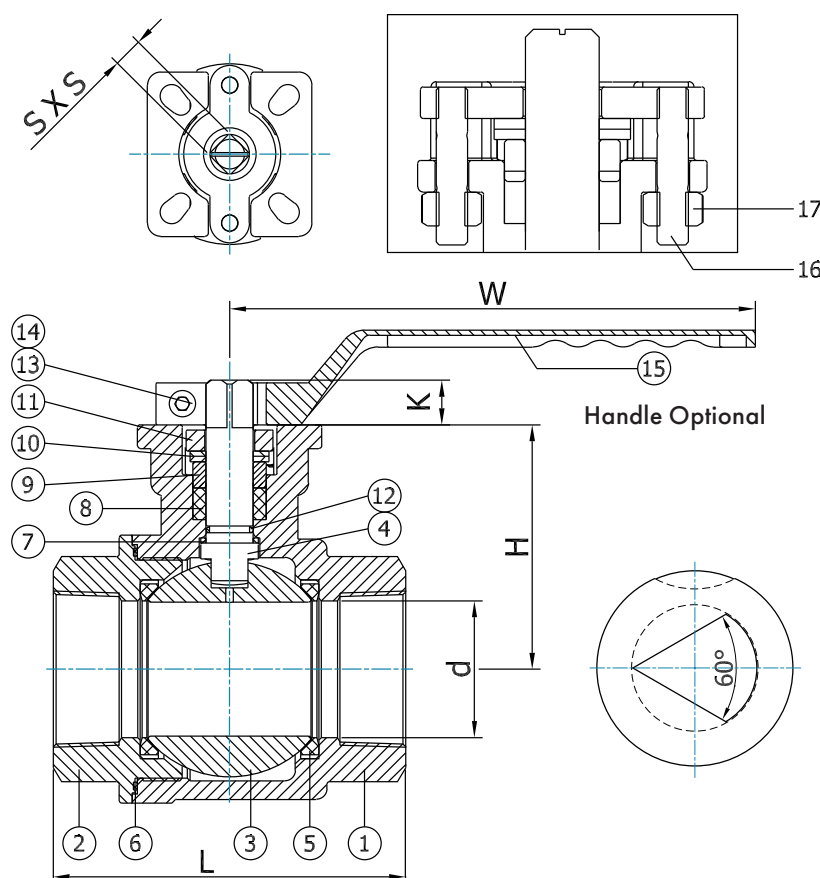
Models
Threaded DM-2000

Materials of Construction

No.	Parts	Material	Qty
1	Body	ASTM A351 CF8M	1
2	End Cap	ASTM A351 CF8M	1
3	Ball	SS316	1
4	Stem	SS316	1
5	Seat	# RPTFE/S-TEK	2
6	Gasket	# RPTFE/Graphite	1
7	Stem Seal	# RPTFE	1
8	Packing	# RPTFE/Graphite	1
9	Packing Follower	SS304	1
10	Belleville Washer	SS304	1
11	Packing Gland	CFS	1
12	O-Ring	# Viton	1
13	Handle Nut	SS304	1
14	Handle Bolt	SS304	1
15	Handle [Optional]	SS304	1
16	Gland Bolt	SS304	2
17	Gland Nut	SS304	2

Optional Body Materials Available, Consult Factory

Repair Kits



Full Port Ball Design
Model DM2000

Optional V-Port
30°/60° Ball Design
Model DMV-2000

ISO 5211 Direct Mounting Pad Provides
Precise Shaft Alignment and Eliminates
the need for Bracket and coupler.

Dimensions and Weights

Size	d	L	H	W	S	K	ISO 5211	Cv	Torque In-lb	Weight Lbs
½"	0.59	2.56	2.01	7.24	0.35	0.31	F04/F05	38	90	2.0
¾"	0.79	2.87	2.05	7.24	0.35	0.31	F04/F05	66	90	2.0
1"	0.98	3.39	2.40	7.80	0.43	0.39	F04/F05	144	110	2.7
1½"	1.50	4.53	3.31	9.13	0.55	0.63	F05/F07	275	180	7.4
2"	2.01	5.28	3.66	9.13	0.55	0.67	F05/F07	480	355	10.7
3"	2.99	7.44	4.57	11.46	0.67	0.87	F07/F10	1210	620	28.7

Size 2½" Consult Factory

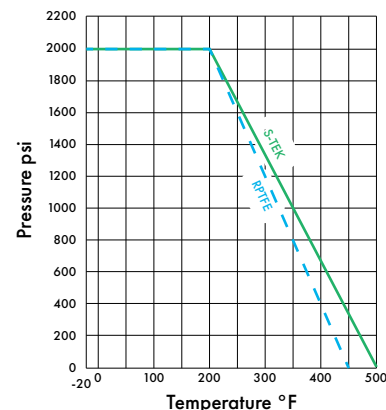
Hi-Tek Stem Seal

Flo-Tite's Direct Mount Series provides for an extended valve cycle life. The primary seal is a washer that fits firmly on the stem shoulder. The secondary seal (back-up) seal is provided by an O-ring and a set of self-lubricating RPTFE V packing rings, energized by belleville washers. This design adjusts packing compression to compensate for wear, pressure or temperature fluctuations even when "Direct-Mount" actuation and insulation are utilized.

ATTENTION

CWP/MAWP is a **do not exceed**
pressure at normal ambient
NPT & Weld End Models

Pressure/Temperature Chart



Steam Rating 150 PSI WSP

FLO-TITE™
valves & controls

4815 West 5th Street
Lumberton NC, 28358

www.flotite.com

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Fax: 910.738.9112
sales@flotite.com

3 PC DM110 Direct Connect

Size Range:

½" to 2"

C/F for sizes 2½" to 4"

Pressure Rating:

1000 PSI MAWP/WOG

Temperature Range:

-20° F to 420° F

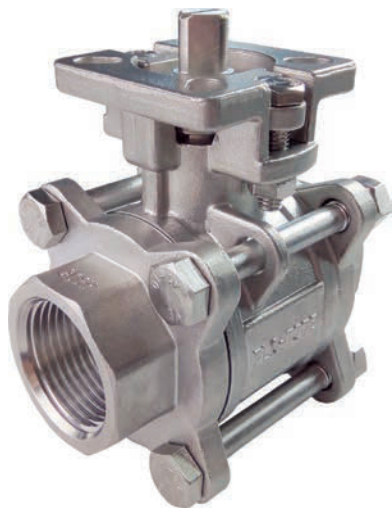
Valve Features

- Three-Piece Body, Full Port Design
- Threaded or Socket-Weld Ends
- Body: CF8M, 316SS
- Seats: RTFE or S-TEK



Design Advantages

- ISO 5211 Direct Mounting Pad - Provides for precise shaft alignment & eliminates the need for brackets and couplings.
- Three 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
- Adjustable Live-Loaded Stem Seal



Model: DM-110

DM110 Series

STANDARD PRODUCT NUMBER

DM110-SS-1-TTT-L

DM120-SS-1-TTT-L

Models:

#DM110 - Threaded Ends

#DM120 - Socket-Weld Ends

Actuator Sizing Chart

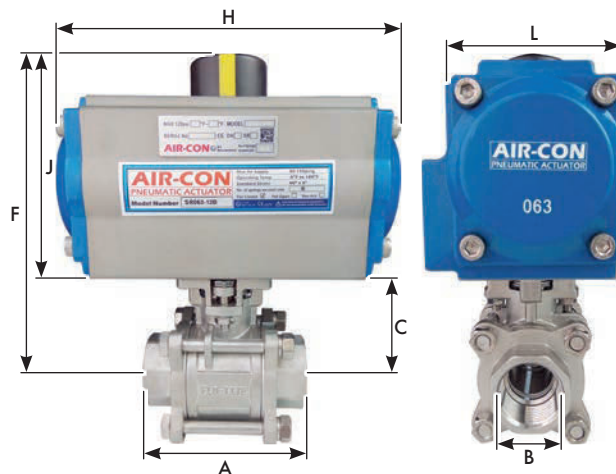
Flo-Tite Actuator Selections are based on units with standard seats with clean fluid only at ambient temperature.

Maximum temperature limitations for Direct-Mount Actuators: Electric 150° F; Pneumatic 180° F.

Special Brackets are available for higher temperatures, consult factory.

All valves are sized for line pressure up to maximum 800 WOG.

For higher line pressure applications, consult factory to assure proper actuator sizing.



Size	A	B	C	ISO	Actuator	ISO	Stem Insert (mm)	F	H	J	L	Actuator	ISO	Stem Insert (mm)	F	H	J	L
					Spring Return Actuator @80psi							Spring Return Actuator @60psi						
½"	2.95	0.59	2.01	F04/F05	SR63.12	F05/F07	9x14	6.26	6.61	4.25	3.35	SR63.8	F05/F07	9x14	6.26	6.61	4.25	3.35
¾"	3.15	0.79	2.05	F04/F05	SR63.12	F05/F07	9x14	6.30	6.61	4.25	3.35	SR63.8	F05/F07	9x14	6.30	6.61	4.25	3.35
1"	3.54	0.98	2.40	F04/F05	SR63.12	F05/F07	11x14	6.65	6.61	4.25	3.35	SR75.9	F05/F07	11x14	7.11	7.24	4.70	4.05
1½"	4.72	1.5	3.27	F05/F07	SR83.12	F05/F07	14x17	8.35	8.03	5.08	4.42	SR83.8	F05/F07	14x17	8.35	8.03	5.08	4.42
2"	5.51	2.01	3.66	F05/F07	SR92.12	F05/F07	14x17	9.04	10.31	5.37	4.78	SR105.8	F07/F10	14x17 17x22	9.69	10.55	6.02	4.99
					Double Acting Actuator @80psi							Double Acting Actuator @60psi						
½"	2.95	0.59	2.01	F04/F05	DA52	F03/F05	9x11	5.63	5.79	3.62	3.15	DA52	F03/F05	9x11	5.63	5.79	3.62	3.15
¾"	3.15	0.79	2.05	F04/F05	DA52	F03/F05	9x11	5.67	5.79	3.62	3.15	DA52	F03/F05	9x11	5.67	5.79	3.62	3.15
1"	3.54	0.98	2.40	F04/F05	DA52	F03/F05	-	6.02	5.79	3.62	3.15	DA52	F03/F05	-	6.02	5.79	3.62	3.15
1½"	4.72	1.5	3.27	F05/F07	DA63	F05/F07	-	7.52	6.61	4.25	3.35	DA63	F05/F07	-	7.52	6.61	4.25	3.35
2"	5.51	2.01	3.66	F05/F07	DA75	F05/F07	-	8.37	7.24	4.70	4.05	DA75	F05/F07	-	8.37	7.24	4.70	4.05

Design and Technical Data

Standards
ANSI/ASME B16.11
ISO 5211
MSS SP25, SP72

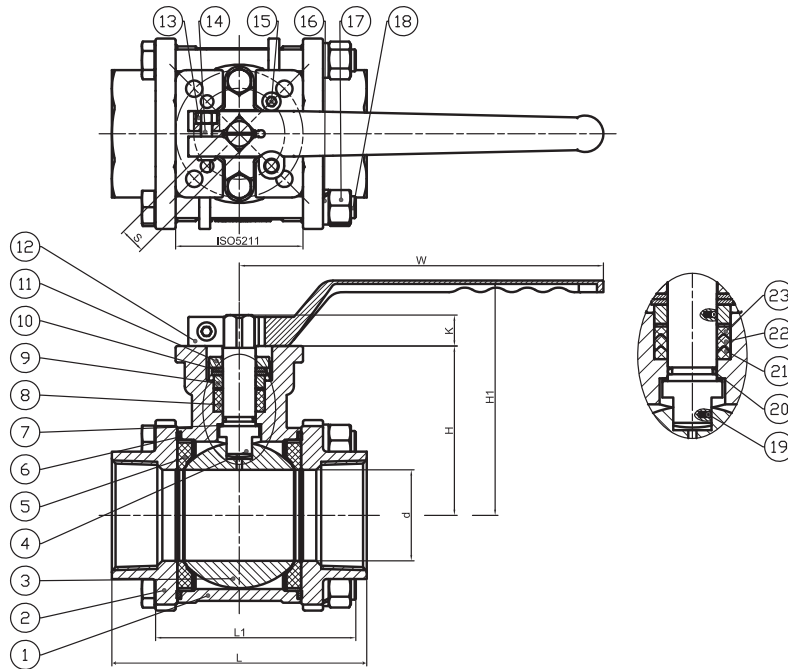
Models
DM110 Threaded
DM120 Socket Weld

Materials of Construction

No.	Parts	Material	Qty
1	Body	ASTM A351 CF8M	1
2	End Cap	ASTM A351 CF8M	2
3	Ball	SS316	1
4	Stem	SS316	1
5	Seats	# RPTFE/S-TEK	2
6	Gaskets	# RPTFE/Graphite	2
7	Stem Seals	RPTFE	1
8	Packing	# RPTFE/Graphite	1
9	Gland	# SS304	1
10	Belleville Washers	# SS304	2
11	Gland Flange	CF8	1
12	Handle	CF8	1
13	Handle Nut	SS304	1
14	Handle Bolt	SS304	1
15	Stop Pin	SS304	1
16	Bolt Washes	SS304	4
17	Bolt Nuts	SS304	4
18	Bolts	SS304	4
19	Anti-Static Device	SS316	1
20	O-Ring	Viton	1
21	V-Ring Packing 1	RPTFE	1
22	V-Ring Packing 2	RPTFE	1
23	V-Ring Packing 3	RPTFE	1

Optional Body Materials Available, Consult Factory

Repair Kits



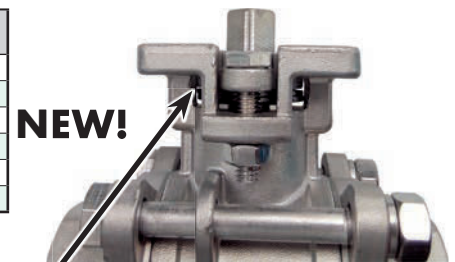
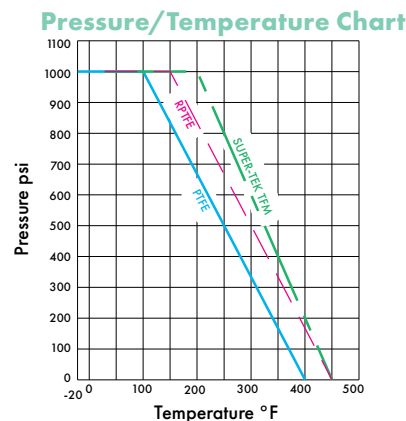
Steam Rating 150 PSI (WSP)
175 PSI available with SuperTek II seats
Vacuum Service to 20 microns

Dimensions and Weights

Size	d ^{+0.06} ₀	L±0.1	H±0.1	K±0.4	S	B ^{+0.016} ₀	J	C	W	H1	ISO 5211	L1	Torque In-Lbs	Weight Lbs
½"	0.59	2.95	2.01	0.32	0.35	0.858	0.65	0.122	7.24	3.39	F05	2.36	88.5	2.84
¾"	0.80	3.15	2.05	0.32	0.35	1.071	0.69	0.134	7.24	3.43	F05	2.56	88.5	2.93
1"	1.02	3.54	2.40	0.39	0.43	1.335	0.87	0.120	7.8	3.78	F05	2.56	106.2	3.68
1¼"	1.35	4.33	2.76	0.47	0.43	1.681	0.94	0.124	7.8	4.21	F05	3.54	132.7	5.62
1½"	1.58	4.72	3.27	0.67	0.55	1.921	0.98	0.181	9.13	4.84	F07	3.54	177	8.93
2"	2.04	5.51	3.66	0.67	0.55	2.409	1.06	0.173	9.13	5.34	F07	4.33	354	12.79

Stem Seal Design

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



NEW!
Leak Detection Window
Prevents actuator damage in the unlikely event of stem leakage.

ATTENTION

CWP/MAWP is a **do not exceed** pressure at normal ambient NPT & Weld End Models

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Fax: 910.738.9112
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2 PC DMF15 Direct Connect

Size Range:

½" to 2"

C/F for sizes 2½" to 4"

Pressure Rating:

275 PSI MAWP/WOG

Temperature Range:

-20° F to 400° F



Model: DM-F15

Valve Features

- Two-Piece Body, Full Port Design
- ANSI Class 150 Flanged Ends
- Body: CF8M, 316SS
- Seats: PTFE, RTFE or TFM



Design Advantages

- ISO 5211 Direct Mounting Pad
Provides for precise shaft alignment & eliminates the need for brackets and coupler.
- Live-Loaded Stem Assembly extends cycle life
- Blow-out Proof Stem
- Low Torque Design
- Investment Cast 316SS
- MTR Available, Consult Factory
- 100% Air Tested Under Water @ 100 PSI

DMF15 Series

 STANDARD PRODUCT NUMBER
 DMF15-SS-TTT-L

Models:

#DMF15-SS

Actuator Sizing Chart

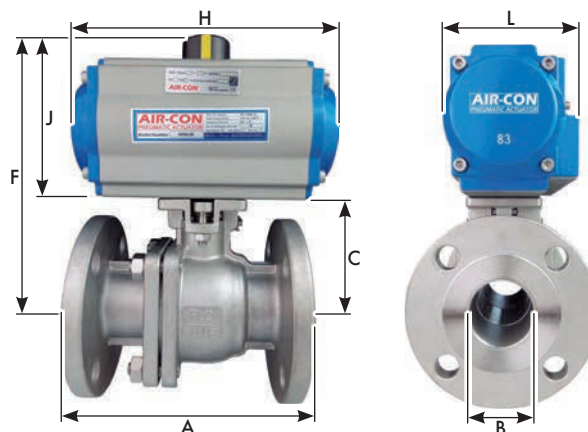
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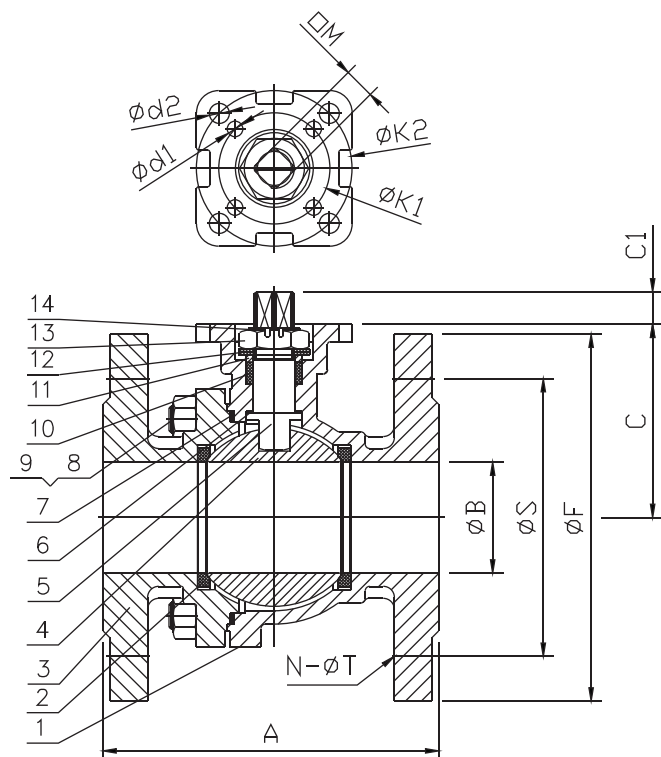
All valves are sized for line pressure up to maximum 800 WOG.

For higher line pressure applications, consult factory to assure proper actuator sizing.



					Actuator	ISO	F	H	J	L	Actuator	ISO	F	H	J	L
					Spring Return Actuator @80psi						Spring Return Actuator @60psi					
Size	A	B	C	ISO	SR52.12	F05/F07	5.79	5.79	3.62	2.81	SR52.9	F05/F07	5.79	5.79	3.62	2.81
½"	4.25	0.59	2.17	F03/F04	SR52.12	F05/F07	5.79	5.79	3.62	2.81	SR52.8	F05/F07	5.79	5.79	3.62	2.81
¾"	4.62	0.79	2.17	F03/F04	SR63.12	F05/F07	6.59	6.61	4.23	3.27	SR75.8	F05/F07	7.06	7.24	4.70	4.05
1"	5.00	0.98	2.36	F04/F05	SR75.12	F05/F07	7.65	7.24	4.70	4.05	SR83.8	F05/F07	8.02	8.03	5.07	4.05
1½"	6.50	1.50	2.95	F05/F07	SR83.12	F05/F07	8.35	8.03	5.08	4.42	SR92.8	F07/F10	8.66	10.31	5.39	4.27
2"	7.00	1.97	3.27	F05/F07	Double Acting Actuator @80psi						Double Acting Actuator @60psi					
Size	A	B	C	ISO	DA40	F03/F05	5.32	4.81	3.15	2.57	DA40	F03/F05	5.32	4.81	3.15	2.57
½"	4.25	0.59	2.17	F03/F04	DA52	F03/F05	5.79	5.79	3.62	2.81	DA52	F03/F05	5.79	5.79	3.62	2.81
¾"	4.62	0.79	2.17	F03/F04	DA52	F03/F05	5.98	5.79	3.62	2.81	DA52	F03/F05	5.98	5.79	3.62	2.81
1"	5.00	0.98	2.36	F04/F05	DA63	F05/F07	7.20	6.61	4.25	3.35	DA63	F05/F07	7.2	6.61	4.25	3.35
1½"	6.50	1.50	2.95	F05/F07	DA75	F05/F07	7.97	7.24	4.70	3.74	DA75	F05/F07	7.97	7.24	4.70	4.05
2"	7.00	1.97	3.27	F05/F07												

Design and Technical Data



Optional: Lever Handle for Manual Operation.
Consult Factory

Materials of Construction

No.	Parts	Material	Qty
1	Body	ASTM A351 CF8M	1
2	Seats #	PTFE	2
3	End Cap	ASTM A351 CF8M	1
4	Ball	CF8M - SS316	1
5	Stem	SS316	1
6	Thrust Washer #	PTFE	1
7	Gaskets #	PTFE	1
8	Studs	SS304	4
9	Nuts	SS304	4
10	Packing	PTFE	1
11	Packing Follower	SS304	1
12	Belleville Washers	SS304	2
13	Nut	SS304	1
14	Lock Washer	SS301	1

Optional Body Materials Available, Consult Factory
Repair Kits

Dimensions and Weights

Size	A	B	C	C1	d1	d2	F	K1	K2	N	S	T	M	Cv	Torque In-Lb	ISO 5211 Pattern	Weight Lb
½"	4.25	0.59	2.17	0.31	0.24	0.24	3.50	1.42	1.65	4	2.38	0.62	0.354	17	27	F03/F04	3.5
¾"	4.62	0.79	2.17	0.31	0.24	0.24	3.88	1.42	1.65	4	2.75	0.62	0.354	43	44	F03/F04	4.9
1"	5.00	0.98	2.36	0.51	0.24	0.28	4.25	1.65	1.97	4	3.12	0.62	0.433	74	97	F04/F05	6.0
1¼"	5.50	1.26	2.56	0.51	0.24	0.28	4.62	1.65	1.97	4	3.50	0.62	0.433	192	124	F04/F05	8.4
1½"	6.50	1.50	2.95	0.57	0.28	0.35	5.00	1.97	2.76	4	3.88	0.62	0.551	290	142	F05/F07	12.3
2"	7.00	1.97	3.27	0.57	0.28	0.35	6.00	1.97	2.76	4	4.75	0.75	0.551	410	221	F05/F07	15.0

Note: All torque figures are full pressure rated

ATTENTION

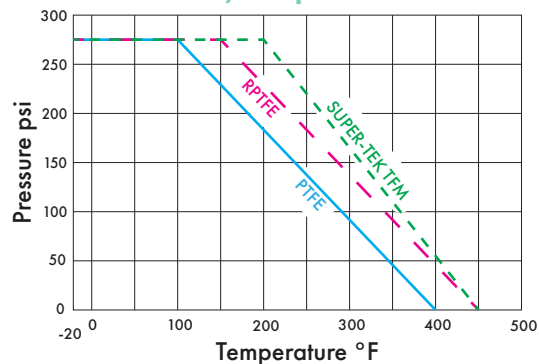
CWP/MAWP is a **do not exceed**
pressure at normal ambient
NPT & Weld End Models

Seating Performance

Seating provides for excellent service at elevated temperatures while providing low-operating valve torque.

Consult factory for details.

Pressure/Temperature Chart



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Fax: 910.738.9112
sales@flotite.com

Direct Connect Kompact Series

Size Range:

1/4"–6"

Pressure Rating:

Class 150

Temperature Range:

Consult Factory



Model: DM-W150

Valve Features

- A Compact Valve designed for applications where space & weight are of major concern
- Full Port Design
- Blowout-Proof Stem Design
- Double "D" Stem 1/2"–4"; 6" Square
- Foundry Heat Number
- ISO 5211 Mounting Pad
- Super-Tek Seating
- Low-Torque Design
- Live-Loaded Stem Design

Design Features:

- The valve body is trapped allowing use of cap screws to install valve between ANSI 150 LB flanges

Optional

- Transmitter isolation 45° handle for fitting insulation recess
- Pocketless design supplied with cavity fillers

Ideal Design for Control Valve

- Compact Control Package
- Economical low operating cost
- Characterized linear, V, or slotted ball design to meet your custom flow requirements

DM-W150 Series

STANDARD PRODUCT NUMBER

DM-W150-SS-FF-L (SS Standard)

DM-W150-CS-FF-L (CS Standard)

DM-W150-SS-CFF-L (SS Cavity Filler)

DM-W150-CS-CFF-L (CS Cavity Filler)

C/F For price with cavity filler



Ideal Ball Valve for
OEM Applications

Actuator Sizing Chart

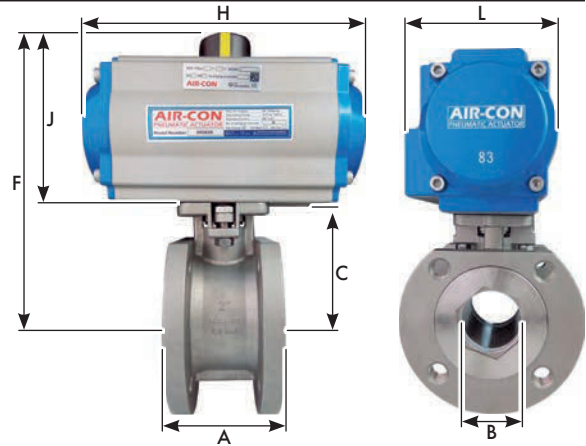
Flo-Tite Actuator Selections are based on units with standard seats with clean fluid only at ambient temperature.

Maximum temperature limitations for Direct-Mount Actuators: Electric 150° F; Pneumatic 180° F.

Special Brackets are available for higher temperatures, consult factory.

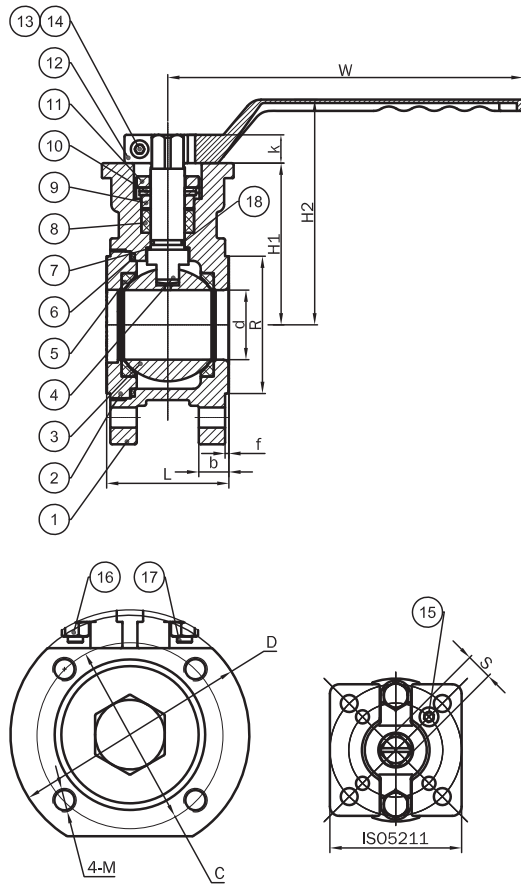
All valves are sized for line pressure up to maximum 800 WOG.

For higher line pressure applications, consult factory to assure proper actuator sizing.



Size	A	B	C	ISO	Actuator	ISO	Stem Insert (mm)	F	H	J	L	Actuator	ISO	Stem Insert (mm)	F	H	J	L
Spring Return Actuator @80psi																		
1/2"	1.61	0.59	2	F04/F05	SR52.12	F03/F05	9x11	5.62	5.79	3.62	3.15	SR52.8	F03/F05	9x11	5.62	5.79	3.62	3.15
3/4"	1.73	0.79	2.2	F04/F05	SR52.12	F03/F05	9x11	5.82	5.79	3.62	3.15	SR52.8	F03/F05	9x11	5.82	5.79	3.62	3.15
1"	1.97	0.98	2.64	F04/F05	SR63.12	F05/F07	11x14	6.89	6.61	4.25	3.35	SR63.8	F05/F07	11x14	6.89	6.61	4.25	3.35
1 1/2"	2.56	1.46	3.39	F05/F07	SR63.12	F05/F07	-	7.64	6.61	4.25	3.35	SR75.8	F05/F07	-	8.09	7.24	4.70	4.05
2"	3.15	1.97	3.43	F05/F07	SR83.12	F05/F07	14x17	8.51	8.03	5.08	4.42	SR92.8	F05/F07	14x17	8.80	10.31	5.37	4.78
3"	4.65	2.99	4.45	F07/F10	SR105.12	F07/F10	17x22	10.47	10.55	6.02	4.99	SR125.8	F07/F10	17x22	11.34	11.85	6.89	5.98
4"	6.02	3.78	5.08	F07/F10	SR105.12	F07/F10	17x22	11.10	10.55	6.02	4.99	SR125.8	F07/F10	17x22	11.97	11.85	6.89	5.98
6"	7.17	5.31	6.54	F10/F12	SR140.12	F10/F12	22x27	14.08	15.35	7.54	6.5	SR140.9	F10/F12	22x27	14.08	15.35	7.54	6.5
Double Acting Actuator @80psi																		
1/2"	1.61	0.59	2	F04/F05	DA40	F03/F05	9x11	5.15	4.81	3.15	3.07	DA40	F03/F05	9x11	5.15	4.81	3.15	3.07
3/4"	1.73	0.79	2.2	F04/F05	DA40	F03/F05	9x11	5.35	4.81	3.15	3.07	DA40	F03/F05	9x11	5.35	4.81	3.15	3.07
1"	1.97	0.98	2.64	F04/F05	DA40	F03/F05	-	5.79	4.81	3.15	3.07	DA52	F03/F05	-	6.26	5.79	3.62	3.15
1 1/2"	2.56	1.46	3.39	F05/F07	DA63	F05/F07	-	7.64	6.61	4.25	3.35	DA63	F05/F07	-	7.64	6.61	4.25	3.35
2"	3.15	1.97	3.43	F05/F07	DA63	F05/F07	-	7.68	6.61	4.25	3.35	DA75	F05/F07	-	8.13	7.24	4.70	4.05
3"	4.65	2.99	4.45	F07/F10	DA92	F05/F07	-	9.82	10.31	5.37	4.78	DA92	F05/F07	-	9.82	10.31	5.37	4.78
4"	6.02	3.78	5.08	F07/F10	DA105	F07/F10	17x22	11.10	10.55	6.02	4.99	DA105	F07/F10	17x22	11.10	10.55	6.02	4.99
6"	7.17	5.31	6.54	F10/F12	DA125	F07/F10	-	13.43	11.85	6.89	5.98	DA125	F07/F10	-	13.43	11.85	6.89	5.98
Double Acting Actuator @60psi																		
1/2"	1.61	0.59	2	F04/F05	DA40	F03/F05	9x11	5.15	4.81	3.15	3.07	DA40	F03/F05	9x11	5.15	4.81	3.15	3.07
3/4"	1.73	0.79	2.2	F04/F05	DA40	F03/F05	9x11	5.35	4.81	3.15	3.07	DA40	F03/F05	9x11	5.35	4.81	3.15	3.07
1"	1.97	0.98	2.64	F04/F05	DA40	F03/F05	-	5.79	4.81	3.15	3.07	DA52	F03/F05	-	6.26	5.79	3.62	3.15
1 1/2"	2.56	1.46	3.39	F05/F07	DA63	F05/F07	-	7.64	6.61	4.25	3.35	DA63	F05/F07	-	7.64	6.61	4.25	3.35
2"	3.15	1.97	3.43	F05/F07	DA63	F05/F07	-	7.68	6.61	4.25	3.35	DA75	F05/F07	-	8.13	7.24	4.70	4.05
3"	4.65	2.99	4.45	F07/F10	DA92	F05/F07	-	9.82	10.31	5.37	4.78	DA92	F05/F07	-	9.82	10.31	5.37	4.78
4"	6.02	3.78	5.08	F07/F10	DA105	F07/F10	17x22	11.10	10.55	6.02	4.99	DA105	F07/F10	17x22	11.10	10.55	6.02	4.99
6"	7.17	5.31	6.54	F10/F12	DA125	F07/F10	-	13.43	11.85	6.89	5.98	DA125	F07/F10	-	13.43	11.85	6.89	5.98

Design and Technical Data



Bill of Materials

Item	Parts	W150SS	W150CS	Qty
1	Body	CF8M	ASTM A216 WCB	1
2	End Cap Retainer	CF8M	ASTM A216 WCB	1
3	Ball	SS316	ASTM A351 CF8/304	1
4	Stem	SS316	ASTM A276-304	1
5	Seat	PTFE/RPTFE	TFM	2
6	Gasket	PTFE	TFM	1
7	Stem Seal	PTFE/RPTFE	PTFE/RPTFE	1
8	Packing	PTFE	PTFE	1
9	Gland	SS304	SS304	1
10	Belleville Washer	SS301	SS301	2
11	Gland Flange	CF8M	CF8M	1
12	Handle	CF8	SS304	1
13	Handle Nut	SS304	SS304	1
14	Handle Bolt	SS304	SS304	1
15	Stop Pin	SS304	Carbon Steel	1
16	Nut	SS304	Carbon Steel	2
17	Bolt	SS304	Carbon Steel	2
18	O-Ring	Viton	Viton	1
19	Thrust Washer	Carbon 25% PTFE	Carbon 25% PTFE	1
20	Stem Packing	TFM	TFM	1
21	Gland Plate	ASTM A216 WCB	ASTM A216 WCB	1
22	Washer	SS304	SS304	1
23	Handle Cover	PVC	PVC	1
24	Packing Protector	Carbon 25% PTFE	Carbon 25% PTFE	1

Parts included in the repair kits

Special body materials are also available

Dimensions & Technical Data

Size	d	L±0.1	D	C	R	b	f	4-M	W±0.2	H1±0.1	H2±0.2	□S	k	ISO 5211	Cv	Torque in/lbs	Weight Lbs
½"	0.59	1.61	3.50	2.38	1.38	0.47	0.078	½"-13 UNC	7.244	2	3.386	0.354	0.315	F05/F04	23	88.5	2.65
¾"	0.79	1.73	3.88	2.76	1.69	0.51	0.078	½"-13 UNC	7.244	2.2	3.583	0.354	0.315	F05/F04	44	88.5	3.31
1"	0.98	1.97	4.33	3.13	2.38	0.63	0.078	½"-13 UNC	7.795	2.64	4.016	0.433	0.394	F05/F04	83	106.2	5.07
1½"	1.46	2.56	5.00	3.88	2.87	0.63	0.078	½"-13 UNC	9.134	3.39	4.961	0.551	0.59	F07/F05	160	309.75	8.16
2"	1.97	3.15	6.00	4.75	3.62	0.62	0.06	¾"-13 UNC	6.89	3.94	4.65	0.55	0.75	F05/F07	300	226	11
3"	2.99	4.65	7.50	6.00	5.00	0.75	0.06	¾"-11 UNC	10.24	4.45	6.22	0.67	0.87	F07/F10	600	677	26
4"	3.78	6.02	8.66	7.50	6.19	0.94	0.06	¾"-11 UNC	10.24	5.08	6.85	0.67	0.87	F07/F10	960	959	46
6"	5.31	7.17	11.00	9.50	8.56	1.00	0.06	¾"-10 UNC	18.11	6.54	8.46	0.87	1.20	F10/F12	3200	1129	84

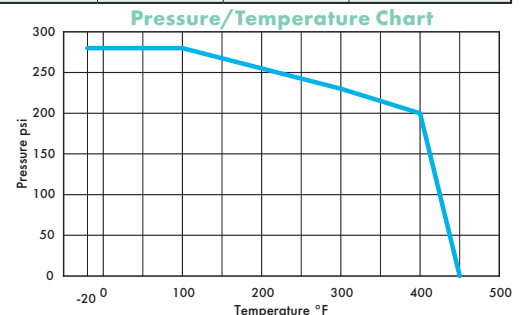
Larger Sizes On Application: Consult Factory

Technical Specification

Body Wall Thickness	ASME B16.34
Body Bolting	ASME B16.34
Testing Standards	ASME B16.34, API 598
NACE	MR-0175
Manufacturing	CE Certified/ISO 9001

ATTENTION

CWP/MAWP is a **do not exceed** pressure at normal ambient NPT & Weld End Models



FLO-TITE™
valves & controls

4815 West 5th Street
Lumberton NC, 28358

www.flotite.com

Office: 910.738.8904
Fax: 910.738.9112
sales@flotite.com

Multi-Port Competitor Series

Size Range:

½" ~ 1¼" Full Port

1½" ~ 2" Reduced Port

Pressure Rating:

1000 MAWP/WOG

Temperature Range:

Consult Factory



Design Features:

- Quality Investment Cast Components
- All Stainless Steel Construction
- 1000 WOG Rating
- Threaded Ends
- ISO 5211 Direct Mount Pad - Provides for precise shaft alignment & eliminates the need for brackets and couplings.
- Locking Handle standard on all valves.
- All valves have four seats which allows operation in the off position
- Locking Handle Locks at 90° Intervals
- Full 360°



Scan me

3-Way Multiport Series

STANDARD PRODUCT NUMBER

DM-MPT200-S4-L-TTT-L (L-Port)

DM-MPT200-S4-T-TTT-L (T-Port)

Model: DM-MPT200

Actuator Sizing Chart

Flo-Tite Actuator Selections are based on units with standard seats with clean fluid only at ambient temperature.

Maximum temperature limitations for Direct-Mount Actuators: Electric 150° F; Pneumatic 180° F.

Special Brackets are available for higher temperatures, consult factory.

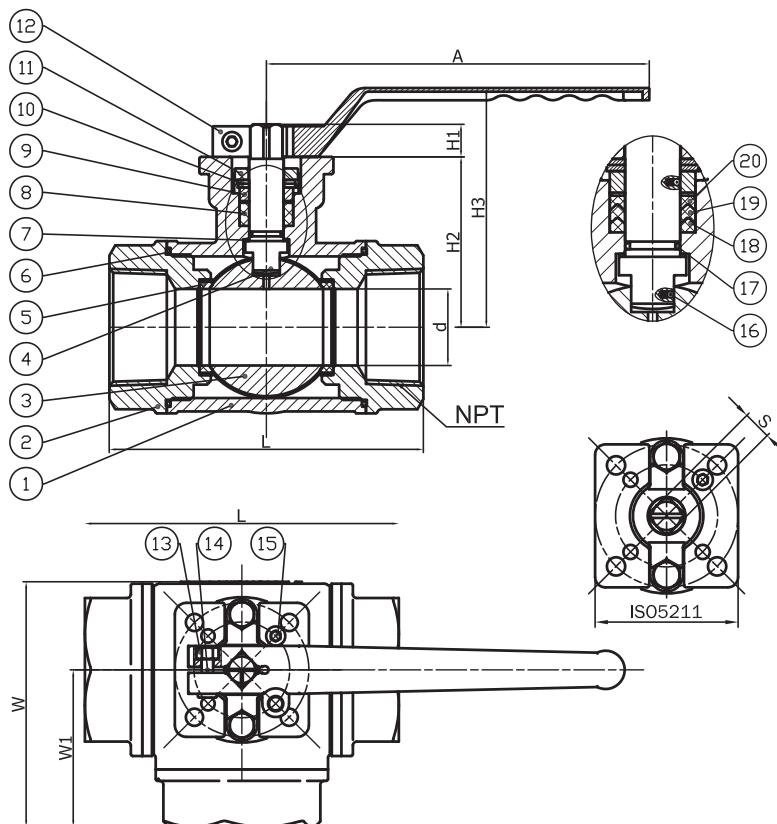
All valves are sized for line pressure up to maximum 800 WOG.

For higher line pressure applications, consult factory to assure proper actuator sizing.



					Actuator	ISO	Stem Insert (mm)	F	H	J	L	Actuator	ISO	Stem Insert (mm)	F	H	J	L
Size	A	B	C	ISO	Spring Return Actuator @80psi							Spring Return Actuator @60psi						
½"	3.11	0.59	1.77	F04/F05	SR52.12	F03/F05	9x11	5.39	5.79	3.62	3.15	SR52.8	F03/F05	-	5.39	5.79	3.62	3.15
¾"	3.35	0.79	1.85	F04/F05	SR52.12	F03/F05	-	5.47	5.79	3.62	3.15	SR63.9	F05/F07	9x14	6.1	6.61	4.25	3.35
1"	4.25	0.98	2.40	F04/F05	SR63.12	F05/F07	11x14	6.65	6.61	4.25	3.35	SR75.8	F05/F07	11x14	7.1	7.24	4.70	4.05
1½"	5.31	1.26	3.23	F05/F07	SR75.12	F05/F07	-	7.93	7.24	4.70	4.05	SR83.9	F05/F07	14x17	8.31	8.03	5.08	4.42
2"	6.46	1.50	3.50	F05/F07	SR83.12	F05/F07	14x17	8.58	8.03	5.08	4.42	SR92.8	F05/F07	14x17	8.87	10.31	5.37	4.78
Size	A	B	C	ISO	Double Acting Actuator @80psi							Double Acting Actuator @60psi						
½"	3.11	0.59	1.77	F04/F05	DA52	F03/F05	9x11	5.39	5.79	3.62	3.15	DA52	F03/F05	9x11	5.39	5.79	3.62	3.15
¾"	3.35	0.79	1.85	F04/F05	DA52	F03/F05	9x11	5.47	5.79	3.62	3.15	DA52	F03/F05	9x11	5.47	5.79	3.62	3.15
1"	4.25	0.98	2.40	F04/F05	DA52	F03/F05	-	6.02	5.79	3.62	3.15	DA63	F05/F07	11x14	6.65	6.61	4.25	3.35
1½"	5.31	1.26	3.23	F05/F07	DA63	F05/F07	-	7.48	6.61	4.25	3.35	DA63	F05/F07	-	7.48	6.61	4.25	3.35
2"	6.46	1.50	3.50	F05/F07	DA75	F05/F07	-	8.20	7.24	4.70	4.05	DA75	F05/F07	14x17	8.20	7.24	4.70	4.05

Design and Technical Data



Bill of Materials

Item	Part Name	Material	Qty
1	Body	CF8	1
2	End Cap	CF8	3
3	Ball	SS304	1
4	Stem	SS304	1
5	Seat	PTFE	4
6	Gasket	PTFE	3
7	Washer	PTFE	1
8	Packing	PTFE	1
9	Gland	SS304	1
10	Belleville Washer	SS301	2
11	Gland Flange	CF8	1
12	Handle	CF8	1
13	Handle Nut	SS304	1
14	Handle Bolt	SS304	1
15	Stop Pin	SS304	1
16	Anti-Static Device	SS316	2
17	O-ring	VITON	1
18	Packing Part 1	PTFE	1
19	Packing Part 2	PTFE	1
20	Packing Part 3	PTFE	1

Parts included in the repair kits

Special body materials are also available

Dimensions & Technical Data

Size	d	L±0.1	W	W1	A±0.2	H1±0.1	H2±0.21	H3±0.2	S	ISO 5211	L-Port Cv	T-Port Cv	Torque	Weight Lbs
½"	0.47	3.11	2.52	1.56	7.24	0.31	1.77	3.15	0.35	F05	5	9	48	2.65
¾"	0.79	4.25	3.31	2.13	7.80	0.39	2.40	3.78	0.43	F05	6	10	60	2.65
1"	0.79	4.41	3.46	2.20	7.80	0.47	2.44	3.78	0.43	F05	16	21	138	4.19
1¼"	1.26	5.31	4.31	2.66	9.13	0.67	3.23	4.80	0.55	F07	31	57	140	10.58
1½"	1.26	5.31	4.31	2.66	9.13	0.67	3.23	4.80	0.55	F07	31	57	144	10.36
2"	1.57	6.46	5.04	3.23	9.13	0.67	3.50	5.08	0.55	F07	74	89	240	14.99

Larger Sizes On Application: Consult Factory

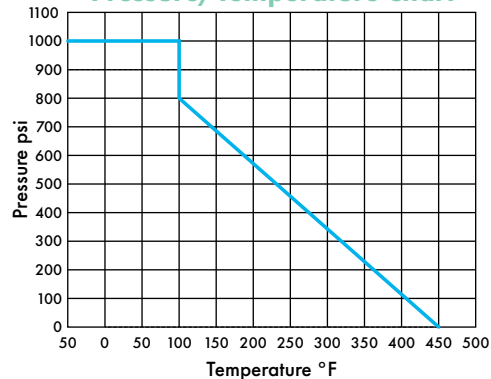
ATTENTION

CWP/MAWP is a **do not exceed** pressure at normal ambient NPT & Weld End Models

Specifications:

- Valve Stem Seals and Seats are 100% tested by 100 psig air under water for bubble tight integrity
- Threaded End Connections Meet ANSI B1.20.1

Pressure/Temperature Chart



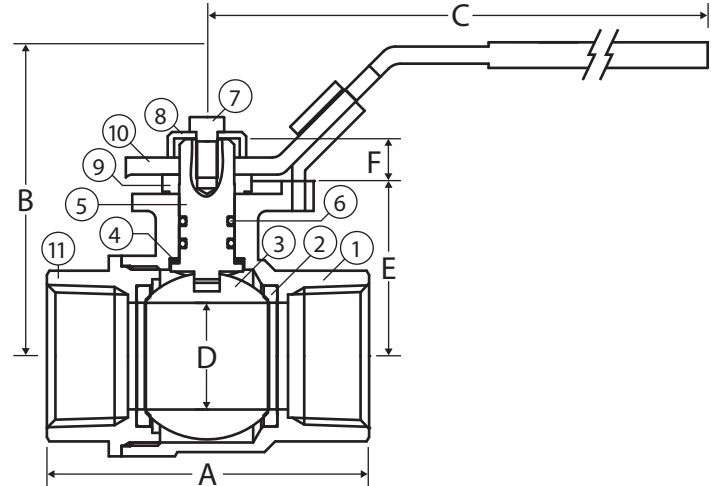
FLO-TITE™
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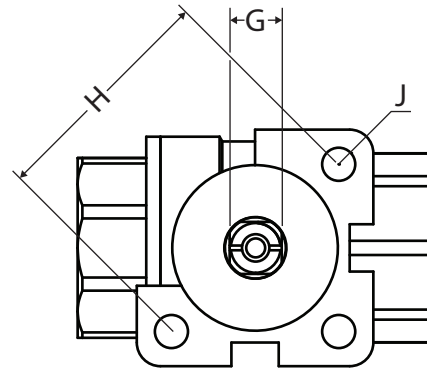
**2 Piece • Full Port • Threaded Connection • 600 WOG
 ISO 5211 Direct Mounting Pad • Stainless Steel Ball and
 Stem • Direct Mount Ball Valve • Forged Brass**

Model: DM-52-BZ-TTT-JM


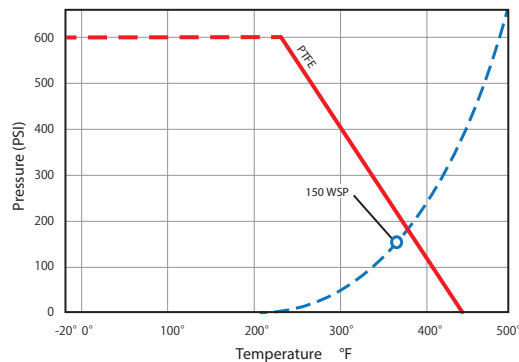
Design Features:

- Dezincification resistant alloy
- ISO 5211 direct mounting pad
- Square valve stem for direct mounting to any ISO actuator
- Blow-out proof stem
- Latch lock may be locked in open or closed position
- 100% leak tested
- Wetted surface contains less than 0.25% lead content

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, birth defects, and other reproductive harm. For more information, go to www.P65Warnings.ca.gov.



Valve Seat Rating 600 WOG - 150 WSP



Standards:

- NSF 61-8
- NSF 372
- MSS SP-110
- ANSI B1.20.1
- RoHS Compliant

Material Specifications

No.	Part	Materials
1	Body	Lead Free Brass - C46500
2	Seat (2)	PTFE
3	Ball	304 Stainless Steel
4	Stem Seat	PTFE
5	Stem	304 Stainless Steel
6	O-ring (2)	Viton
7	Screw	Nickel Plated Steel
8	Packing Nut	Nickel Plated Brass - C37700
9	Gasket	Nylon
10	Handle	Chrome Plated Steel
11	End Connection	Lead Free Brass

Dimensions

Part No.	Size	A	B	C	D	E	F	G	H	J	ISO	Torque	CV
A101-12	½"	2.39	2.34	4.76	0.59	1.14	0.37	0.35	1.42	0.23	F03	16	18
A101-34	¾"	2.57	2.48	4.76	0.75	1.28	0.37	0.35	1.42	0.23	F03	23	30
A101-1	1"	2.97	2.85	6.73	0.98	1.59	0.39	0.43	1.97	0.28	F05	36	51
A101-114	1¼"	3.44	3.15	6.73	1.26	1.82	0.39	0.43	1.97	0.28	F05	73	84
A101-112	1½"	3.88	3.64	6.73	1.57	2.32	0.43	0.43	1.97	0.28	F05	76	132
A101-2	2"	4.29	3.94	6.73	1.94	2.62	0.43	0.43	1.97	0.28	F05	130	200

Note: Torque is in (in-lb)

3 -Way • Standard Port • Threaded Connection • 400 WOG • ISO 5211 Mounting Pad • Stainless Steel Ball and Stem • Direct Mount Ball Valve • Forged Brass



Model: T Port MPT-355-BZ-TTT-L-JM
L Port MPT-366-BZ-TTT-L-JM

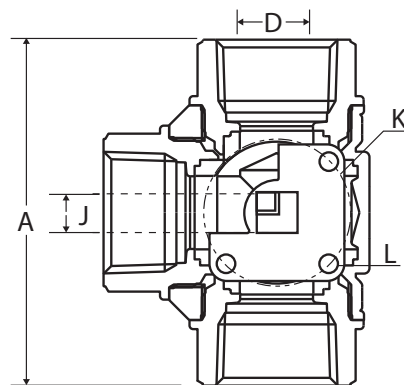
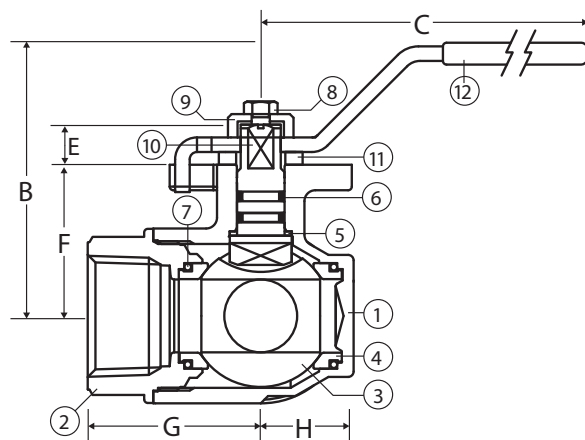
Design Features:

- ISO 5211 direct mounting pad
- Square valve stem for direct mounting to any ISO actuator
- Four seats design
- Blow-out proof stem
- Temperature to 344°F
- Ships with lever handle

Standards

- ANSI B1.20.1

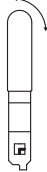
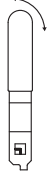
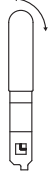
WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, birth defects, and other reproductive harm. For more information, go to www.P65Warnings.ca.gov.



Material Specifications

No.	Part	Materials
1	Body	Brass - CW617N
2	End Connection (3)	Brass - CW617N
3	Ball	Chrome Plated Brass - CW617N
4	Seat (4)	PTFE
5	Stem Seal	PTFE
6	O-ring (2)	Viton
7	Body O-ring (4)	Viton
8	Screw*	Steel
9	Bushing*	Brass - CW614N
10	Stem	Brass - CW614N
11	Washer*	Nylon
12	Handle*	Steel

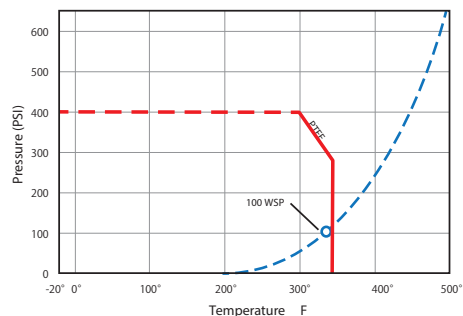
*Only included on lever operated valves

Flow Options							
Lever Assembly	T-Port				L-Port		
							
							
Position 1							
Position 2							

Dimensions

Part No.	Size	A	B	C	D	E	F	G	H	J	K	L	Torque	CV	
														MPT355	MPT366
A750_-14*	1/4"	2.64	2.44	4.72	0.39	0.35	1.20	1.32	0.77	0.35	F03	0.23	54	10.12	9.98
A750_-38*	3/8"	2.64	2.44	4.72	0.43	0.35	1.20	1.32	0.77	0.35	F03	0.23	54	10.12	9.98
A751_-12	1/2"	2.87	2.44	4.72	0.43	0.35	1.20	1.44	0.77	0.35	F03	0.23	54	10.12	9.98
A751_-34	3/4"	3.19	2.52	4.72	0.59	0.35	1.29	1.60	0.87	0.35	F03	0.23	54	16.45	16.16
A75_-1	1"	3.74	2.95	6.69	0.79	0.43	1.63	1.87	1.00	0.43	F05	0.27	151	30.16	29.76
A75_-114	1 1/4"	4.39	3.17	6.69	0.98	0.43	1.85	2.20	1.22	0.43	F05	0.27	151	48.65	47.79
A75_-112	1 1/2"	4.86	3.66	6.69	1.26	0.43	2.34	2.43	1.79	0.43	F05	0.27	151	75.68	74.20
A75_-2	2"	5.73	4.43	9.05	1.57	0.59	2.90	2.87	1.75	0.55	F07	0.35	275	121.44	119.06
A75_-212	2 1/2"	6.93	4.86	9.05	1.95	0.59	3.35	3.47	2.20	0.55	F07	0.35	381	C/F	C/F
A75_-3	3"	7.08	4.86	9.05	1.95	0.59	3.35	3.54	2.20	0.55	F07	0.35	381	C/F	C/F

Note: Torque is in (in-lb)



Automate with Ease with Flo-Tite's New Direct Mount Ball Valve Series—ISO 5211+

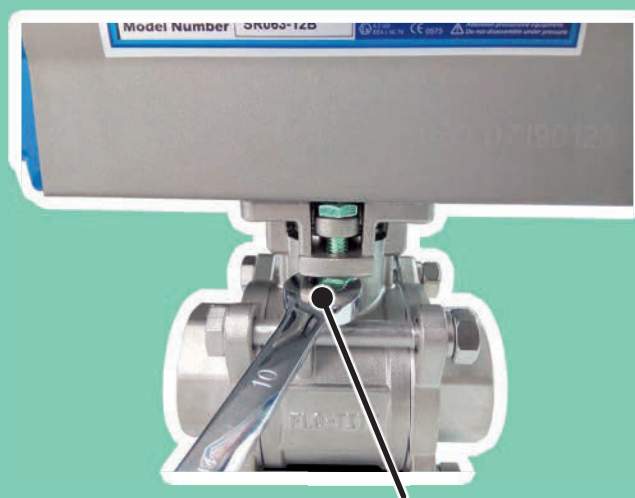
- Valve Top Works offers a choice of two ISO 5211 FO patterns.
- Valve Stems are marked to indicate the flow direction.
- Live-Loaded Steam Seals.
- Stem Leak detection window prevents actuator damage in the event of stem leakage.
- Easily Adjust packing gland with New Easy Access Design.
- Actuator removal to adjust stem packing will not be necessary!

Current Industries Standard for Direct Mount Design Valve ISO 5211



Actuator needs to be removed to adjust packing.
Special tools may be needed.

ISO 5211+



Easy Access Design
No Actuator Removal Necessary

Need an ISO Bracket?
Check out our Easy-Link Series



Assembly with
Bracket and Media
Containment Unit



Model: BK2



BK1 assembly



**FLO-TITE IS A PREFERRED VENDOR
OF CHOICE, AS A GLOBAL LEADER IN THE
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CAST STEEL GATE GLOBE & CHECK VALVES

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ANSI Class 150 thru 2500



CV-4-150
CV-4-300
CV-4-600
CV-4-900
CV-4-1500
CV-4-2500



GL-4-150
GL-4-300
GL-4-600
GL-4-900
GL-4-1500
GL-4-2500



GV-4-150
GV-4-300
GV-4-600
GV-4-900
GV-4-1500
GV-4-2500

FORGED STEEL GATE GLOBE & CHECK VALVES

CVF-4-150
CVF-4-300
CVF-4-600
CVF-4-900
CVF-4-1500
CVF-4-2500



GLF-4-150
GLF-4-300
GLF-4-600
GLF-4-900
GLF-4-1500
GLF-4-2500



GVF-4-150
GVF-4-300
GVF-4-600
GVF-4-900
GVF-4-1500
GVF-4-2500



Stocking Sizes 1/2" - 2" available ,consult factory for larger sizes.
Special Alloys available - ASTM A105 SS CFM-316

SPECIFICATIONS & STANDARDS

API 598

ASME B 16.34

ASME B 16.10

ASME B 16.5

ASME B 16.25

Classes 150/300