



STANDARDS

- ANSI / ASME B16.34
- End connections: ASME B1.20.1, ASME B16.11, ASME B16.25
- Material certification EN10204-3.1 MTR
- Steel casting: MSS SP-55
- Valve marking: MSS SP-25
- Direct mount: ISO 5211
- Stem connection: DIN 3337
- Class (pressure rating): Class 400

J Flow Controls DM3800 Series

Direct Mount 2 Piece Ball Valve

FEATURES & BENEFITS

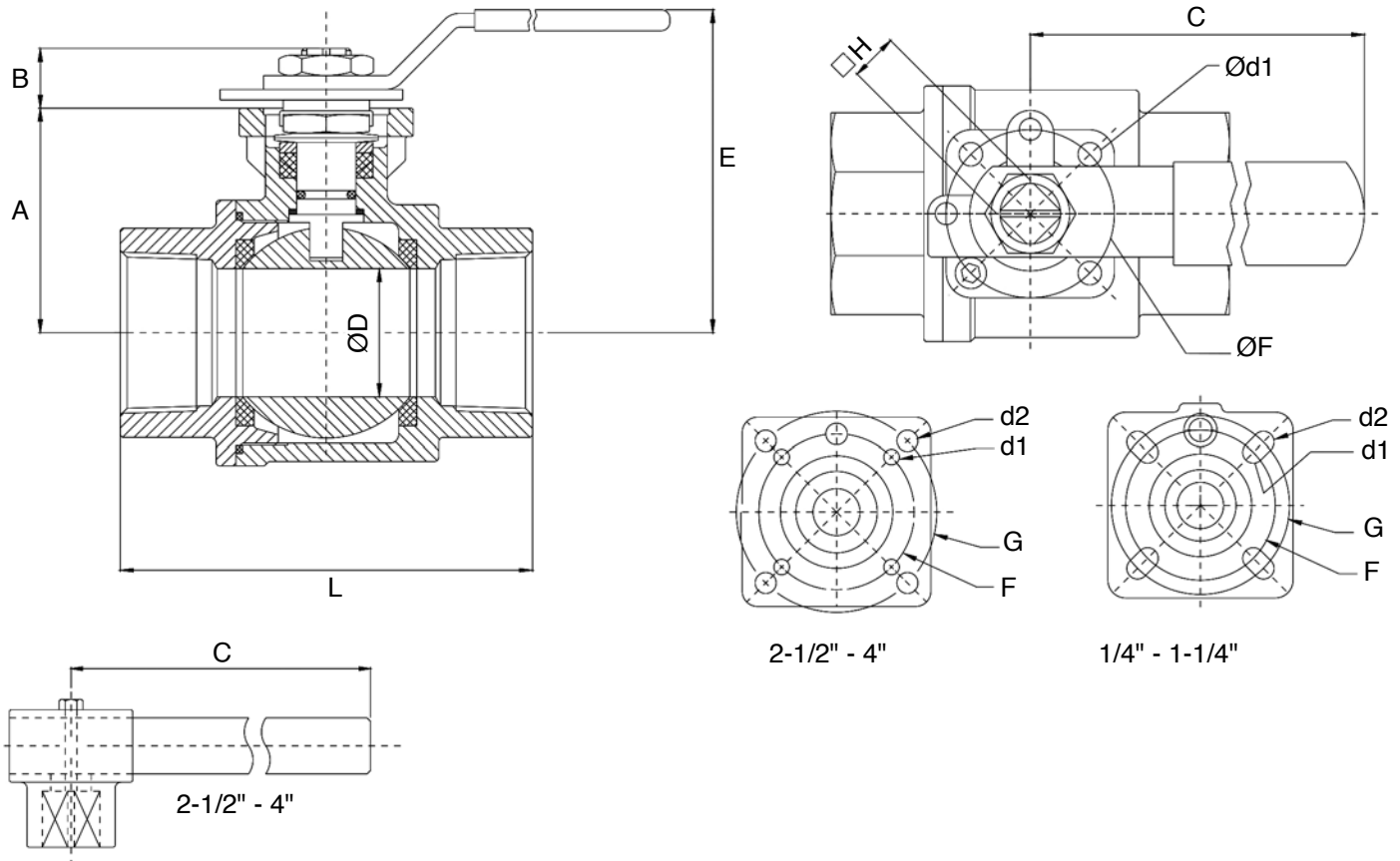
- Body and end caps quality investment casting
- ISO 5211 direct mounting pad
- Adjustable stem packing
- Available in stainless steel (CF8 or CF8M)
- Blow-out proof stem design
- 100% air tested under water at 80 - 100 psi
- Working pressure of 600 / 800 / 1000 psi
- Temperature range from -20°F to 300°F
- Locking function
- End type: NPT / BSPT

OPTIONS

- Spring return (dead man) handle
- Extended stem for thermal insulation
- Oval handle
- Automation application
- PTFE / PFA coating (40 - 70 um)

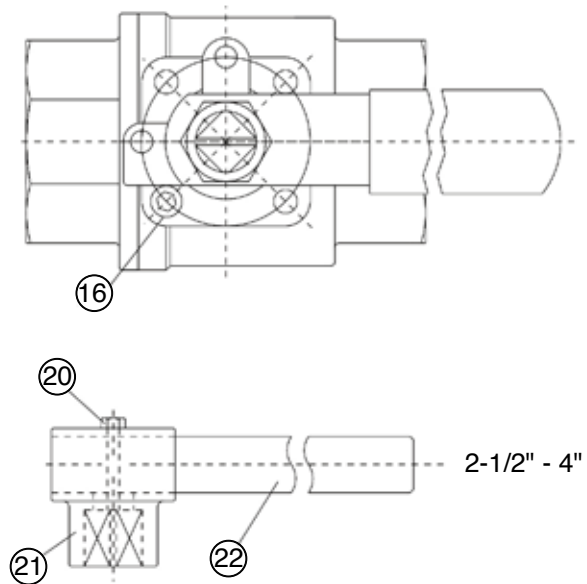
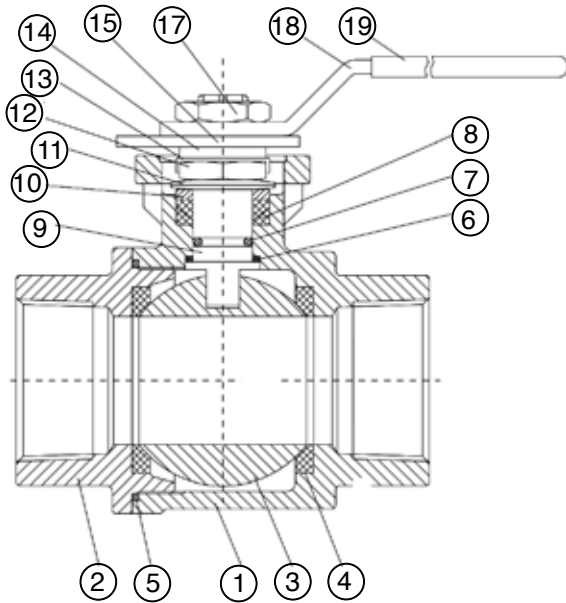
DM3800 Series Ball Valves

DIMENSIONS



Size (in)	A	B	C	D	d1	d2	E	F	G	H	L
1/4	1.46	0.35	5.12	0.43	0.24	0.24	2.60	1.42	1.65	0.35	2.22
3/8	1.46	0.35	5.12	0.49	0.24	0.24	2.60	1.42	1.65	0.35	2.22
1/2	1.46	0.35	5.12	0.59	0.24	0.24	2.60	1.42	1.65	0.35	2.32
3/4	1.57	0.43	5.12	0.79	0.24	0.24	2.72	1.42	1.65	0.35	2.81
1	1.89	0.55	6.30	0.98	0.24	0.28	3.15	1.65	1.97	0.43	3.13
1-1/4	2.11	0.55	6.30	1.26	0.24	0.28	3.35	1.65	1.97	0.43	3.62
1-1/2	2.50	0.71	8.07	1.50	0.28	-	3.86	1.97	-	0.55	4.11
2	2.83	0.71	8.07	1.97	0.28	-	4.17	1.97	-	0.55	4.86
2-1/2	3.68	0.71	12.20	2.50	0.35	0.45	5.79	2.76	4.02	0.67	6.54
3	4.09	0.71	12.20	3.07	0.35	0.45	6.18	2.76	4.02	0.67	7.28
4	5.20	1.02	13.78	3.90	0.45	0.53	7.60	4.02	4.92	0.87	8.62

PARTS IDENTIFICATION



Part No.	Name	Material
1	Body	CF8M / CF8
2	End Cap	CF8M / CF8
3	Ball	SS 316
4	Seat	PTFE
5	Gasket	PTFE
6	Thrust Washer	RPTFE
7	O-Ring	Viton
8	Stem Packing	SS 316
9	Stem	SS 304
10	Gland	SS 301
11	Disk Washer	SS 304

Part No.	Name	Stainless Steel
12	Stem Nut	SS 304
13	Nut Stop	SS 304
14	Pace Washer	SS 304
15	Plater	SS 304
16	Stop Pin	SS 304
17	Handle Nut	SS 304
18	Handle	SS 304
19	Sleeve	Plastic
20	Set Bolt	SS 304
21	Lever Head	CF8
22	Lever	Steel Pipe

BREAK-TORQUE VALUE (IN-LB AT 0 PSI)

Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Grease	53	53	62	80	97	124	257	327	637	832	929

Note 1: The grease J Flow Control uses include lubricants and anti-seize grease that are both SILICONE-FREE

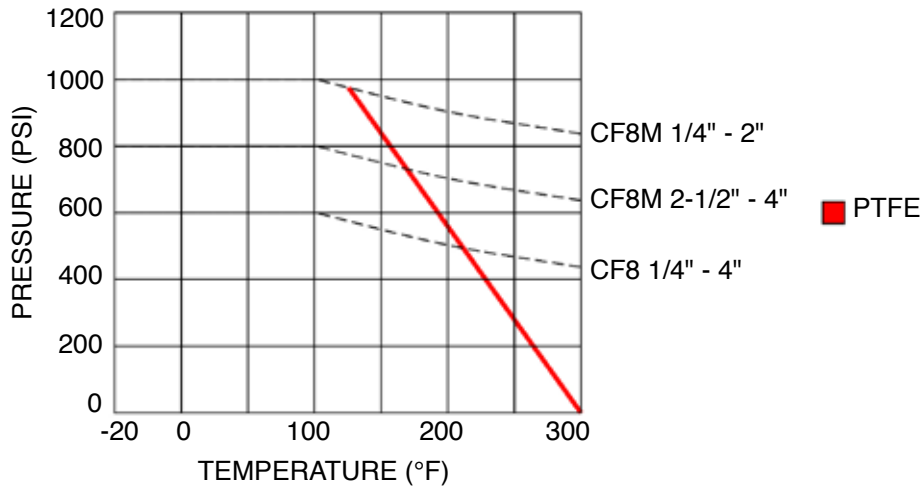
Note 2: J Flow Controls strongly suggests increasing the torque at least 30% - 40% for safety factor when mounting an actuator

DM3800 Series Ball Valves

FLOW COEFFICIENT

Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
CV Factor	8.5	8.5	21	50	90	110	240	400	700	980	1700

PRESSURE/TEMPERATURE CHART



HOW TO ORDER

Sizes	Series	Body, Ball & Stem	Port	Body Seal	Packing
1 1/4"	38	33 CF8M	F Full Port	T TFM1600	T TFM1600
2 3/8"		00 CF8			
3 1/2"					
4 3/4"					
5 1"					
0 1-1/4"					
6 1-1/2"					
7 2"					
8 2-1/2"					
9 3"					

Seat	End Connections	Options
T TFM1600	FT Female NPT	LD Locking Handle
	MT Female Metric THD	SH Spring Handle
		GO Gear Operator
		BS Bare Stem
		SE Stem Extension

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