

3500 Series

Two Piece Ball Valves 2000 psi

FEATURES & BENEFITS

- Body and end caps are quality investment casting
- For food and general chemical service applications
- Adjustable stem packing
- Available in carbon or stainless steel body construction
- Blow-out proof stem design
- Designed for easy actuator mounting, ISO mounting pad
- 100% air tested under water at 100 psi, open and closed positions
- Working pressure: 1/4" ~ 1" 2000 psi wog;
1-1/4" ~ 2" 2000 psi
- Temperature range: -51°F to +450°F
- End type: threaded
- Locking device
- Silicone free



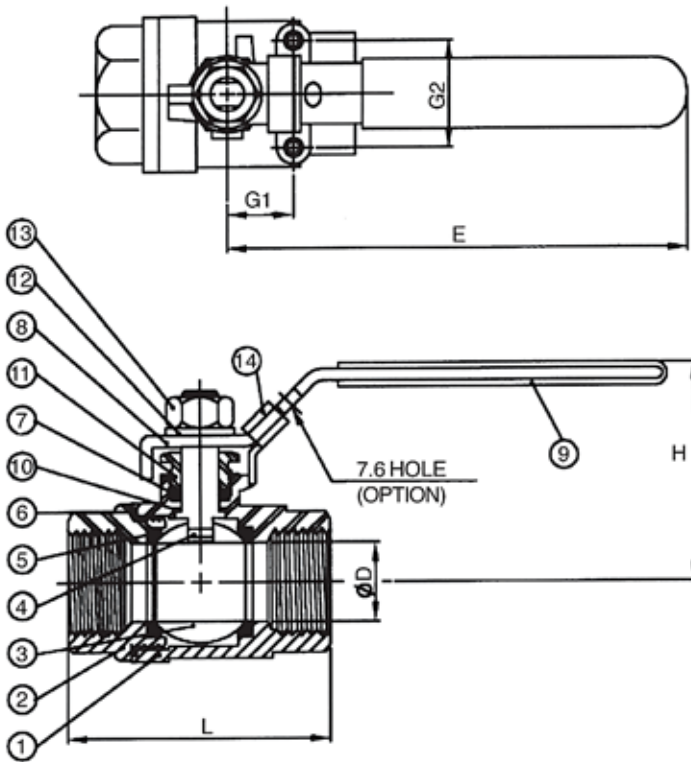
ORDERING SCHEMATIC

Size	Series	Material	Port	Packing	Seat	End Connection
1/4"	35 Series	23 Carbon Steel	F Full	T Teflon	C Carbon T Teflon	S Threaded
3/8"		33 Stainless Steel				
1/2"						
3/4"						
1"						
1-1/4"						
1-1/2"						
2"						

J Flow Controls

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BILL OF MATERIALS

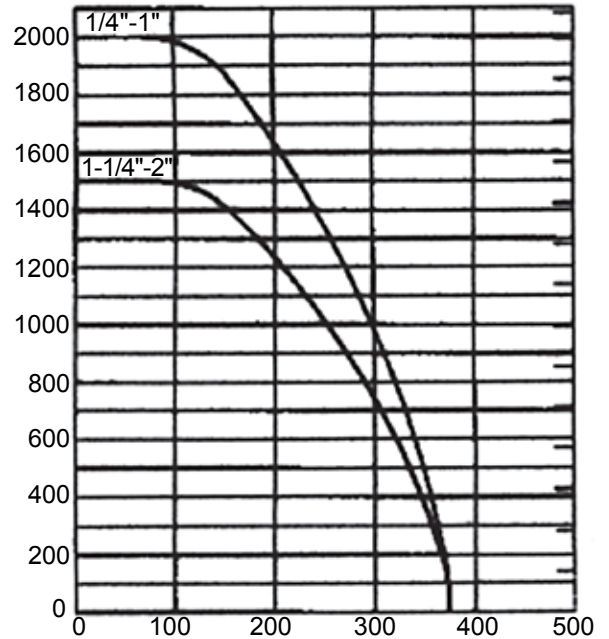


Part No.	Description	Materials
1	Body	ASTM A315 Gr. CF8M
2	End Cap	ASTM A315 Gr. CF8M
3	Ball	ASTM A315 Gr. CF8M
4	Stem	SS 316
5	Ball Seats	RPTFE 15%
6	End Seal	PTFE
7	Stem Packing	PTFE
8	Handle	SS 304
9	Handle Sleeve	Vinyl Grip
10	Thrust Washer	PTFE
11	Gland	SS 304
12	Handle Washer	SS 304
13	Handle Nut	SS 304
14	Locking Plate	SS 304

DIMENSIONS (INCHES)

Size	d	E	H	G1	G2	L	Weight
1/4"	0.46	3.74	2.08	0.50	1.12	2.38	0.72
3/8"	0.50	3.74	2.08	0.50	1.12	2.38	0.72
1/2"	0.59	3.74	2.08	0.50	1.12	2.46	0.75
3/4"	0.79	4.33	2.36	0.87	1.37	3.03	1.32
1"	1.00	5.31	2.91	0.87	1.37	3.54	2.64
1-1/4"	1.26	5.31	3.93	0.93	1.50	3.93	3.46
1-1/2"	1.50	6.49	4.64	0.93	1.50	4.64	5.00
2"	2.00	6.49	5.43	0.93	1.50	5.43	8.10

PRESSURE/TEMPERATURE CHART



TECHNICAL SPECIFICATIONS

Valve Size	Operating Torque in-lbs	Cv
1/4"	50	6.6
3/8"	50	7.9
1/2"	75	11.2
3/4"	100	21
1"	150	35
1-1/4"	225	57
1-1/2"	275	80
2"	300	150
2-1/2"	500	265
3"	750	415
4"	780	1000

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