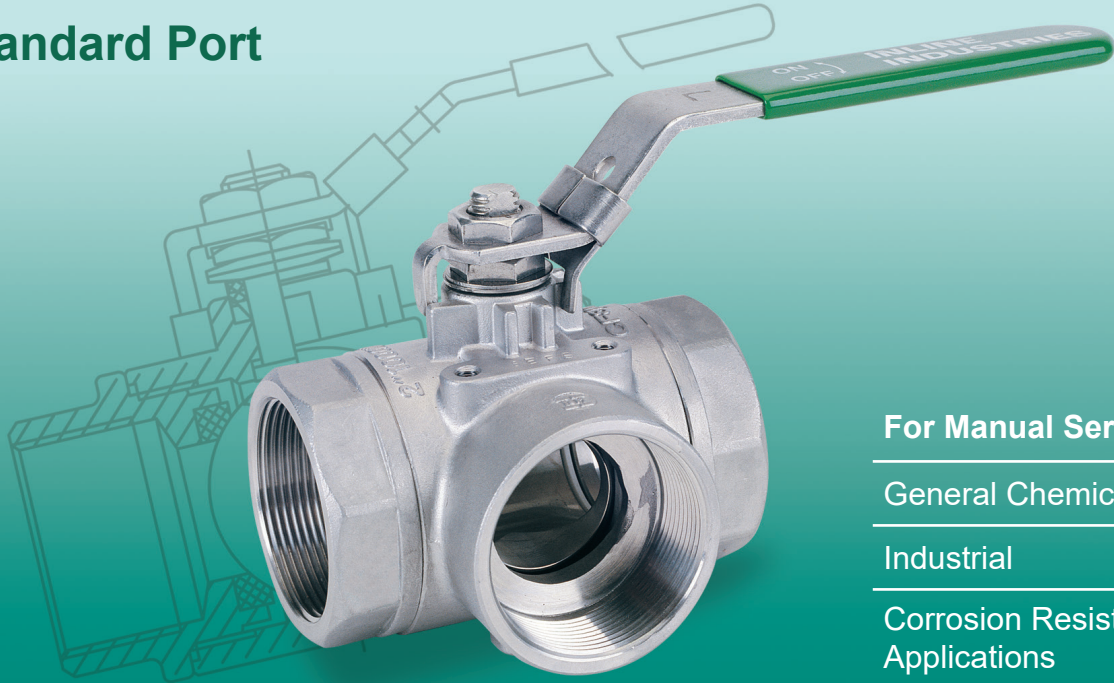


502S Diverter Ball Valve

Standard Port



For Manual Service

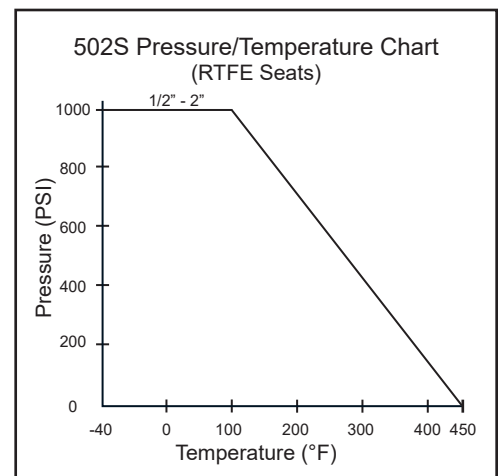
General Chemical

Industrial

Corrosion Resistant Applications

Standard Features and Benefits

- **Economical Design**
- **Blow-Out-Proof Stem**
Stem is bottom loaded to prevent removal when valve is in service
- **Live-Loaded Stem Packing**
Provides constant load on the stem seal and extends service life
- **Locking Device**
Enables plant personnel to secure valve in open or closed position when manually operated
- **Corrosion Resistant**
Made of 316 stainless steel (A351 Gr. CF8M) for superior chemical resistance and longer service life
- **Investment Cast**
High quality investment castings improve dimensional control and reduce porosity
- **Reduces Number of Valves Required in Piping System**

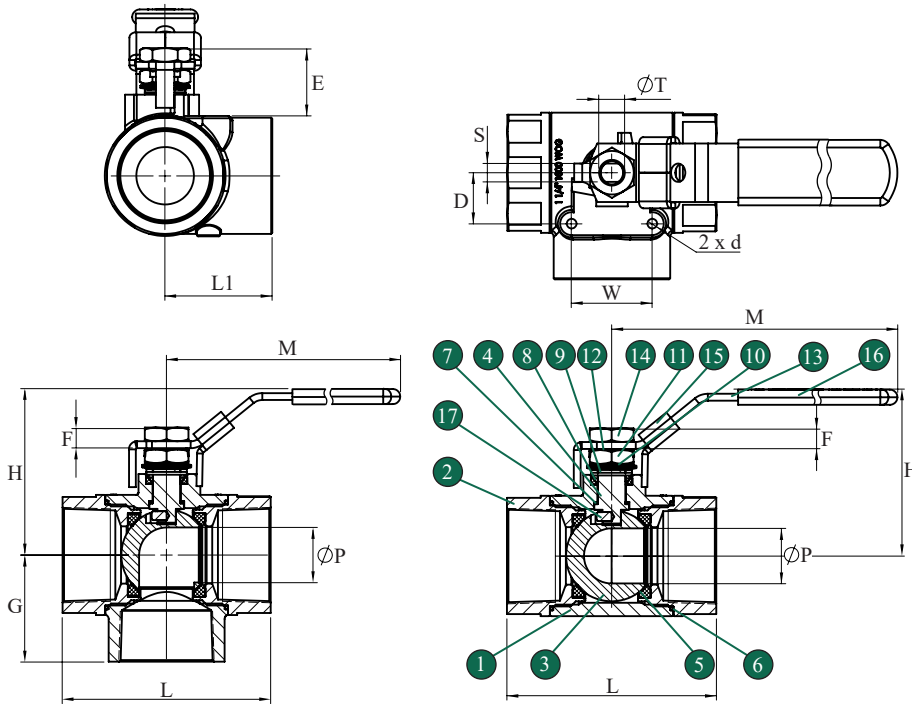


Operating Conditions

- Temperature Range (RTFE):
-40°F ~ 450°F
- Maximum Pressure (RTFE):
1000 PSI WOG (1/2" - 2")

Specifications

- All valves shell and seat tested to ANSI/ASME B16.34 and API 598
- NPT to ASME B1.20.1



Valve Components			
No.	Part Name	Material	Qty
1	Body	CF8M	1
2	End Cap	CF8M	2
3	Ball	316 SS	1
4	Stem	316 SS	1
5	Seat	RTFE (15% G.F.)	2
6	Body Seal	PTFE	2
7	Thrust Washer	RTFE (15% C.F.)	1
8	Stem Packing Set	PTFE	1
9	Packing Gland	304 SS	2
10	Belleville Washer	301 SS	2
11	Gland Nut	304 SS	1
12	Gland Nut Lock Washer	304 SS	1
13	Handle	304 SS	1
14	Handle Nut	304 SS	1
15	Handle Lock	304 SS	1
16	Handle Cover	Vinyl	1
17	Stem Set Pin	316 SS	1

Dimension (Inches)																
Size	L	L1	P	M	H	E	F	G	D	S	T	W	d (mm)	Cv* 3A / 5L	Weight (lbs)	
1/2"	2.43	1.24	0.47	4.3	2.0	0.85	0.33	1.24	0.50	0.20	0.31	0.93	M5 x 0.8 ∇ 5	4.2 / 4.2	0.8	
3/4"	2.69	1.36	0.55	4.3	2.1	0.75	0.34	1.36	0.50	0.20	0.31	0.93	M5 x 0.8 ∇ 5	5.9 / 5.7	1.0	
1"	3.32	1.70	0.75	5.0	2.4	0.92	0.29	1.70	0.75	0.26	0.38	1.12	M5 x 0.8 ∇ 6	10.7 / 10.6	2.0	
1-1/4"	3.57	1.83	0.94	5.9	2.8	1.14	0.33	1.83	0.87	0.31	0.46	1.38	M5 x 0.8 ∇ 6	17.2 / 16.7	2.7	
1-1/2"	4.20	2.15	1.22	5.9	3.1	1.15	0.33	2.15	0.94	0.31	0.46	1.50	M6 x 1.0 ∇ 7	27.8 / 27.6	4.1	
2"	4.67	2.40	1.46	7.5	3.8	1.39	0.45	2.40	0.94	0.38	0.54	1.50	M6 x 1.0 ∇ 7	41.9 / 40.9	6.3	

Cv is based on 502S L-Port and represents flow data to ISA 75.01.01 - 2007

502S Ordering Information

Example: 2" Standard Port Diverter Ball Valve with Lever Handle and Locking Device, 316 SS Body and Trim, RTFE (15% G.F.) Seats and PTFE Seal, NPT Ends, 3-Way Side Entry L-Port

Valve Series	Valve Size	Body Material	End Material	Ball Material	Stem Material	Seat	Seal	End Connection	Port Configuration	Ball Configuration
502S - Standard Port	5 7 A B C D 1/2" 3/4" 1" 1 1/4" 1 1/2" 2"	6 - A351 Gr. CF8M (316)	6 - A351 Gr. CF8M (316)	6 - 316 SS	6 - 316 SS	R - RTFE (15% G.F.)	T - PTFE	T - NPT	3 - 3 Way 180° Bottom Entry 5 - 3 Way Side Entry	A - Bottom Entry L-Port L - Side Entry L-Port Y - Side Entry L-Port

Due to continuous product development, information may change without notice.



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