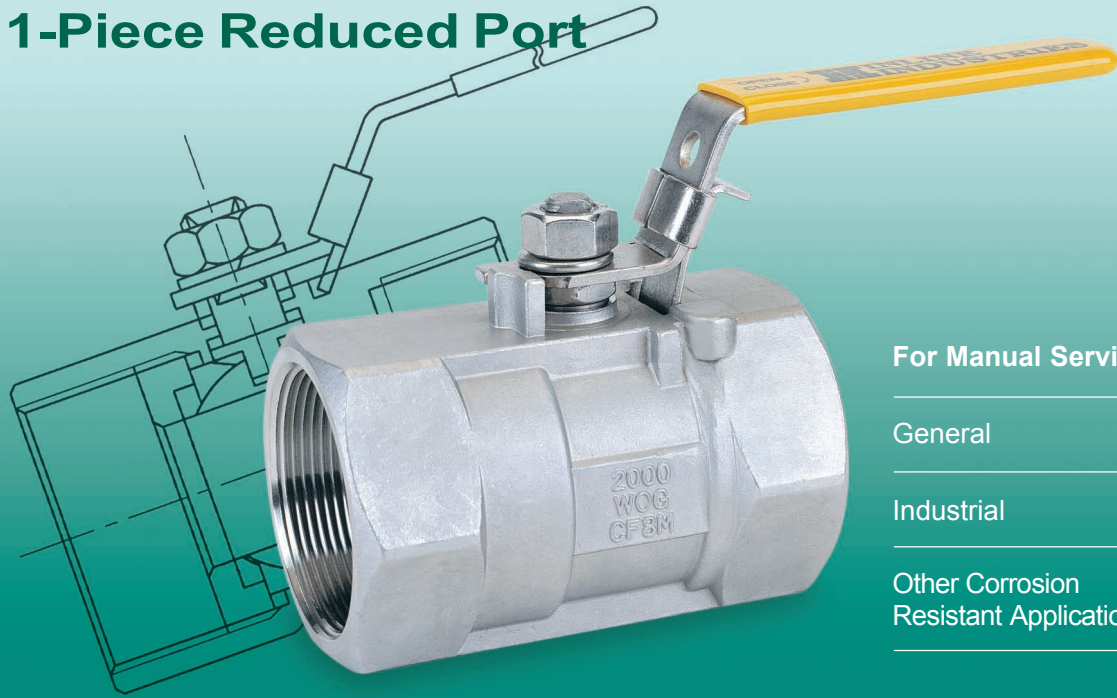


102R Ball Valve

1-Piece Reduced Port



For Manual Service

General

Industrial

Other Corrosion
Resistant Applications

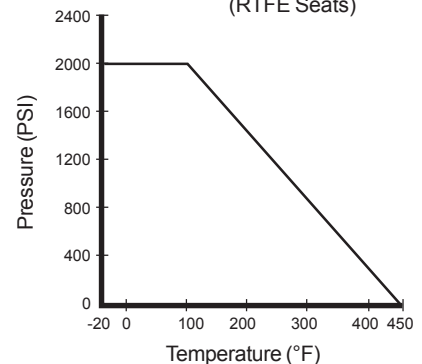
Standard Features and Benefits

- **Economical 1-Piece Design**
- **High Pressure Construction**
- **Blow-Out-Proof Stem**
- **Independent Packing Gland**
Allows for handle replacement while valve is in service
- **Made of Corrosion-Resistant 316 SS (A 351Gr. CF8M)**
One valve can be used for many service conditions
- **Integral Locking Device**
Enables plant personnel to secure valve in open or closed position when manually operated
- **Investment Cast**
High quality investment castings improve dimensional control and reduce porosity

Options

- Certified material test reports are available upon request

102R Pressure / Temperature Chart
(RTFE Seats)

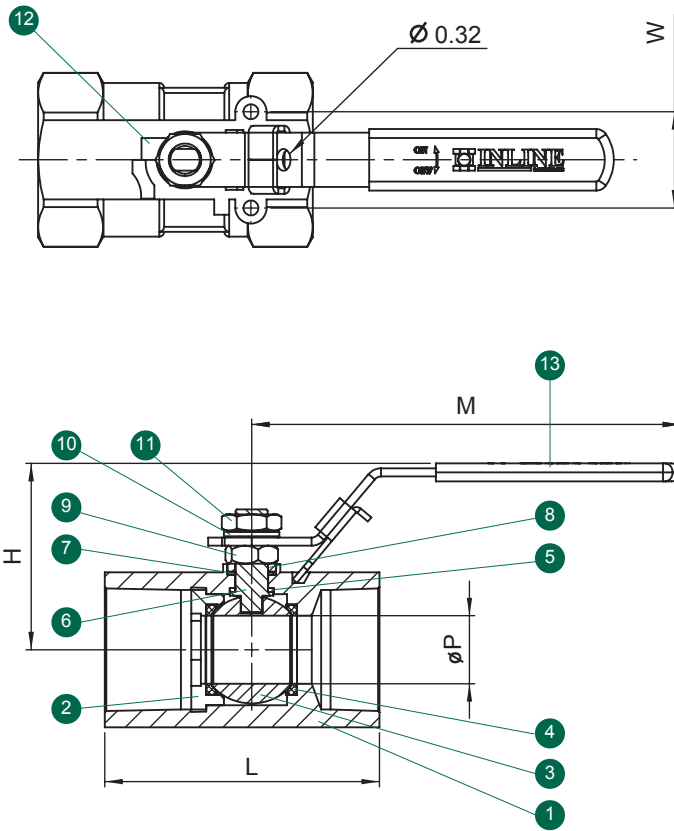


Operating Conditions

- Temperature range (RTFE):
-20°F ~ 450°F
- Maximum pressure (RTFE):
2000 PSI CWP

Specifications

- All valves designed and pressure tested in accordance with ANSI/ASME B16.34, API 598, and MSS-SP-110
- All materials comply with applicable ASTM material specifications



Valve Components			
#	Part Name	Material	Qty.
1	Body	A351 Gr. CF8M	1
2	Insert	A351 Gr. CF8M	1
3	Ball	A351 Gr. CF8M	1
4	Seat	RTFE (15% G.F.)	2
5	Thrust Washer	PTFE	1
6	Stem	316SS	1
7	Stem Packing Set	PTFE	1
8	Packing Gland	304SS	1
9	Conical Spring Washer	304SS	1
10	Lock Washer	304SS	1
11	Handle Nut	304SS	1
12	Handle	304SS	1
13	Handle Cover	Vinyl	1

Dimensions (Inches)						
Size	L	P	M	H	W	Weight (lbs)
1/4	2.30	0.36	4.02	1.81	1.11	0.70
3/8	2.30	0.36	4.02	1.81	1.11	0.70
1/2	2.60	0.36	3.82	2.13	1.10	0.61
3/4	2.76	0.49	3.86	2.20	1.10	0.79
1	3.15	0.61	4.09	2.48	1.39	1.39
1 1/4	3.74	0.79	3.98	2.64	1.39	1.97
1 1/2	3.98	0.98	6.14	2.72	1.39	2.76
2	4.49	1.26	6.10	3.03	1.39	4.07

102R Ordering Information

Example: 2" Reduced Port Ball Valve with Lever Handle and Locking Device, 316SS Body and Trim, RTFE (15% G.F.) Seats and PTFE Seats, NPT Ends

Valve Series	Valve Size	Body Material	End Material*	Ball Material	Stem Material	Seat	Seal	End Connection	Port	Ball Config.
102R - Reduced Port	2 1/4" 3 3/8" 5 1/2" 7 3/4" A 1" B 1 1/4" C 1 1/2" D 2"	6 - A351 Gr. CF8M (316)	6 - A351 Gr. CF8M (316)	6 - A351 Gr. CF8M (316)	6 - A351 Gr. CF8M (316)	R - RTFE (15% G.F.)	T - PTFE	TT - NPT	2 - 2 Way	S - Straight Port

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

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