



Threaded, 1/2"-2" 1000 psig CWP Cold Non-Shock, (See referenced P/T chart) 150 psig Saturated Steam, Vacuum Service to 29 inches Hg. Federal Specification: WW-V-35C, Type: II, Composition: SS, Style: 3. MSS SP-110; Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends.

FEATURES

- Investment cast components
- Reinforced seats
- Two-piece body
- Blow-out-proof stem design

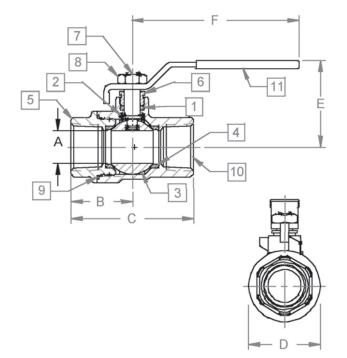
- Adjustable packing gland
- Meets NACE MR-01-75-2000
- SS lever and nut
- Available with SS latch lock lever (-27)

STANDARD MATERIAL LIST

- 1. Stem packing
- 2. Stem bearing
- 3. Ball
- 4. Seat (2)
- 5. Retainer

MP	ΓFΈ	Ξ	
RPT	FΕ	1	
A27	6-3	16	SS
RPT	ΈE	1	
A35	1-0	CF8	М

6. Gland A276-316 SS 7. Stem A276-316 SS 8. Lever nut 304 SS RPTFE 9. Body Seal A351-CF8M 10. Body 11. Lever and grip SS w/vinyl



STAINLESS STEEL FULL PORT BALL VALVE

NUMBER	SIZE	A	В	С	D	Е	F	WT.
76F-103-01A	1/2″	.50	1.21	2.35	1.27	1.73	3.85	0.57
76F-104-01A	3/4"	.75	1.39	2.77	1.62	1.96	3.85	0.91
76F-105-01A	1"	1.00	1.67	3.34	2.00	2.27	4.75	1.38
76F-106-01A	1-1/4"	1.25	1.96	3.92	2.73	3.21	7.77	4.17
76F-107-01A	1-1/2"	1.50	2.05	4.10	2.92	3.31	7.77	4.69
76F-108-01A	2"	2.00	2.37	4.74	3.75	3.69	7.77	6.90

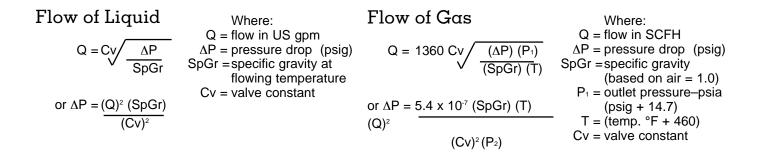
OPTIONS AVAILABLE:

SUFFIX)	OPTION	SIZES
-02-	Stem Grounded	1/2" to 2"
-08-	90° Reversed Stem	1/2" to 2"
-14-	Side Vented Ball (Uni-Directional)	1/2" to 2"
-24-	Graphite Packing	1/2" to 2"
-27-	SS Latch-Lock Lever & Nut	1/2" to 2"
-30-	Cam-Lock and Grounded	1/2" to 2"
-32-	SS Tee Handle & Nut	1/2" to 2"
-39-	SS Hi-Rise Locking Wheel Handle, SS Nut	1/2" to 2"
-40-	Cyl-Loc and Grounded	1/2" to 2"
-44-	Seal Welded	1/4" to 2"
-45-	Less Lever & Nut	1/2" to 2"
-46-	Latch Lock Lever - Lock in Closed Position Only	1/2" to 2"
-47-	SS Latch Lock Oval Handle	1/2" to 2"
-48-	SS Oval Handle (No Latch) & Nut	1/2" to 2"
-49-	Assembled Dry	1/2" to 2"
-56	Multifill Seats & Packing	1/2" to 2"
-57-	Oxygen Cleaned	1/2" to 2"
-60-	Static Grounded Ball & Stem	1/2" to 2"
-P01-	BSPP (Parallel) Thread Connection	1/2" to 2"
-T01-	BSPT (Tapered) Thread Connection	1/2" to 2"

For Pressure/Temperature Ratings, Refer to Page M-10, Graph No. 8

FLOW DATA For Apollo® Ball Valves

The listed Cv "factors" are derived from actual flow testing, in the Apollo[®] Ball Valve Division, Conbraco Industries, Inc., Pageland, South Carolina. These tests were completed using standard "off the shelf" valves with no special preparation and utilizing standard schedule 40 pipe. It should be understood that these factors are for the valve only and also include the connection configuration. The flow testing is done utilizing water as a fluid media and is a direct statement of the gallons of water flowed per minute with a 1 psig pressure differential across the valve/connection unit. Line pressure is not a factor. Because the Cv is a factor, the formula can be used to estimate flow of most media for valve sizing.



Cv FACTORS SERIES: 70-100, 71-100, 71AR, 73A-100, 74-100, 76-100, 76AR, 80-100 81-100, 89-100

SIZE	1/4"	3/8"	1/2"	3/4"	1″	1-1/4"	1-1/2"	2″	2-1/2"	3″	4″
OPEN 90°	8.4	7.2	15	30	43	48	84	108	503	370	670

Cv FACTORS 76F, 77, 77AR, 77C, 77D SERIES

SIZE	1/4″	3/8"	1/2"	3/4"	1″	1-1/4"	1-1/2"	2″	2-1/2"
OPEN 90°	8.1	15	15	51	68	125	177	389	503

Cv FACTORS

82-100/200, 83R-100/200/700,85R-100/200,86R-100/200/700,83-500/600,86-500/600/900 SERIES

SIZE	1/4"	3/8"	1/2"	3/4"	1″	1-1/4"	1-1/2"	2″	2-1/2"	3"	4″
OPEN 90°	8.1	14	26	51	68	120	170	376	510	996	1893

Cv FACTORS 83A/83B, 86A/86B, 86C SERIES

ſ	SIZE		1/4″	3/8"	1/2"	3/4"	1″	1-1/4"	1-1/2"	2″
	OPEN	90°	8.1	14	26	51	68	120	170	376

