



85R-100 Series Stainless Steel 3-Piece Ball Valve With Actuator Ready ISO Mounting Pad 2″

Std. Port Threaded, 800 psig WOG, Cold Non-Shock. 150 psig Saturated Steam. Vacuum Service to 29 inches Hg. Federal Specification: WW-V-35C, Type: II, Composition: SS, Style: 1. MSS SP-110; Ball Valve Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends. Meets NACE MR01-75

FEATURES

- Multi-piece packing set
- ISO 5211 mounting pad
- Blow-out-proof stem design
- In-line repairable

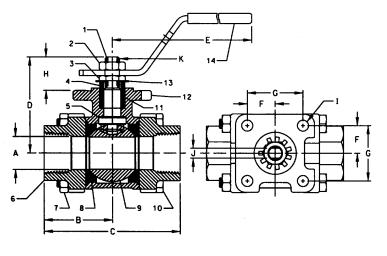
- Adjustable packing gland
- Investment cast components
- Reinforced seats and seals
- Full port configuration

STANDARD MATERIAL LIST

1. Stem

- 2. Jam nut
- 3. Low profile nut
- 4. Gland
- 5. Stem bearing
- 6. End cap (2)
- 7. Hex nut (4)

A276-316 SS 316 SS A276-316 RPTFE ASTM A351-CF3M 18-8 SS



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

- RPTFE 10. Body bolt (4) 11. Stem packing
- 12. Body

9. Ball

8. Seat (2)

- 13. Lock tab washer
- 14. Lever and grip

316 SS 18-8 SS MPTFE ASTM A351-CF8M 304 SS 304 SS w/vinyl

OPTIONS AVAILABLE:

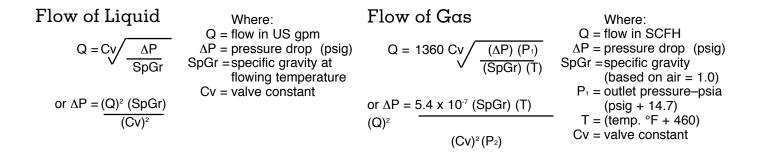
(SUFFIX)	OPTION
-02-	Static Grounded
-03-	1-1/4" Stem Extension
-04-	2-1/4" Stem Extension
-08-	90° Reversed Stem
-14-	Vented Ball
-18-	Plain Yellow Grip
-21-	UHMWPE Seats (Non-PTFE)
-24-	Graphite Stem Packing
-27-	Latch Lock Lever
-35-	VTFE Trim
-36-	SS Round Handle
-39-	SS Hi-Rise Locking Wheel Handle, SS Nut
-49-	Assembled Dry
-57-	Oxygen Cleaned
-60-	Grounded Ball & Stem
-63-	Threaded x Socket Weld
-P01-	BSPP (Parallel) Thread Connection
-T01-	BSPT (Tapered) Thread Connection
-AR-	Less Handle & Stop-Add Belleville Washers
-WB-	With Lever & Belleville Washers

STAINLESS STEEL 3-PIECE STANDARD PORT BALL VALVE WITH ISO MOUNTING PAD

NUMBER	SIZE	A	В	С	D	E	F	G	Н	Ι	J (FLATS)	K (THRDS.) UNF	
85R-108-01	2"	1.50	2.59	5.18	3.49	8.06	.98	1.95	1.16	.34	.370/.372	5/8-18	

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

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

