

70-800 Series Male x Female Bronze Ball Valve

Male x Female Threaded, 600 psig WOG, Cold Non-Shock. 150 psig Saturated Steam. (See referenced P/T chart) Vacuum Service to 29 inches Hg.

Federal Specification: WW-V-35C, Type: II, Composition: BZ, Style: 3. MSS SP-110; Ball Valves, Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends.

FEATURES

- Chromium plated ball
- RPTFE seats and stuffing box ring
- Male x Female threaded end connections
- Blow-out-proof stem design
- Adjustable packing gland

STANDARD MATERIAL LIST

- l. Lever and grip
- 2. Stem packing
- 3. Stem bearing
- 4. Ball
- 5. Seat (2)
- 6. Retainer

Steel, zinc plated w/vinyl RPTFE RPTFE B16, chrome plated RPTFE B16

 7. Gland nut
 B16

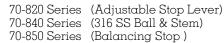
 8. Stem
 B16

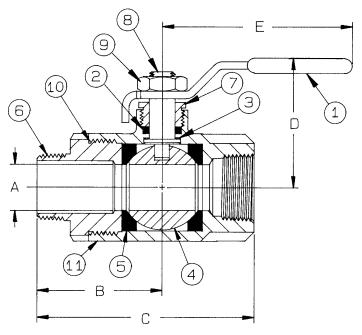
 9. Lever nut
 Steel, zinc plated

 10. Body seal
 PTFE

 (1-1/4" to 1-1/2")
 B584-C84400

VARIATIONS AVAILABLE:





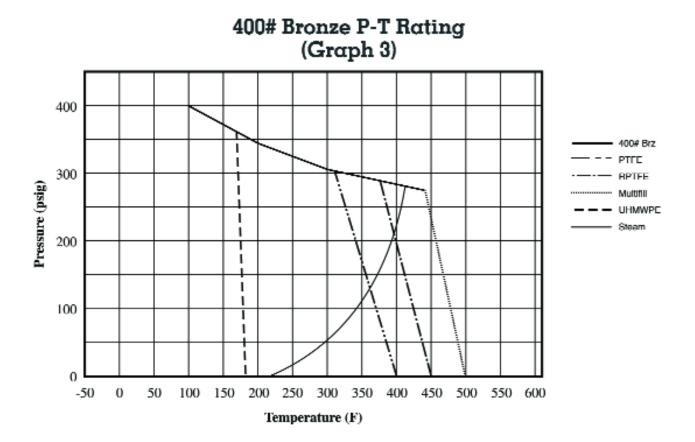
MALE X FEMALE BRONZE BALL VALVE

NUMBER	SIZE	A	В	С	D	E	Wt.
70-801-01	1/4"	.37	1.40	2.43	1.75	3.87	.63
70-802-01	3/8"	.37	1.46	2.50	1.75	3.87	.60
70-803-01	1/2"	.50	1.68	2.81	1.81	3.87	.72
70-804-01	3/4"	.68	2.00	3.50	2.12	4.87	1.42
70-805-01	1″	.87	2.31	4.00	2.25	4.87	1.93
70-806-01	1-1/4"	1.00	2.31	4.31	2.62	5.50	3.19
70-807-01	1-1/2"	1.25	3.00	5.18	3.06	8.00	4.60

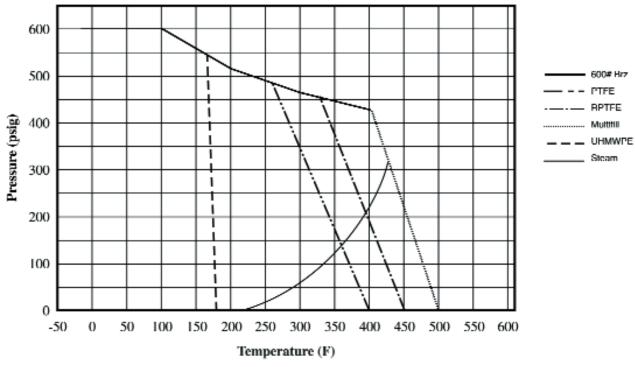
OPTIONS AVAILABLE:

(SUFFIX)	OPTION	SIZES
-02-	Stem Grounded	1/4" to 1-1/2"
-03-	1-1/4" CS Stem Extension	1/4" to 1-1/2"
-04-	2-1/4" CS Stem Extension	1/4" to 1-1/2"
-05-	Plain Ball	1/4" to 1-1/2"
-07-	Steel Tee Handle	1/4" to 1-1/2"
-08-	90° Reversed Stem	1/4" to 1-1/2"
-10-	SS Lever & Nut	1/4" to 1-1/2"
-14-	Side Vented Ball (Uni-Directional)	1/4" to 1-1/2"
-15-	Wheel Handle, Steel	1/4" to 1-1/2"
-16-	Chain Lever - Vertical	3/4" to 1-1/2"
-21-	UHMWPE Trim (Non-PTFE)	1/4" to 1-1/2"
-24-	Graphite Packing	1/4" to 1-1/2"
-27-	SS Latch-Lock Lever & Nut	1/4" to 1-1/2"
-30-	Cam-Lock and Grounded	1/4" to 1-1/2"
-32-	SS Tee Handle & Nut	1/4" to 1-1/2"
-35-	VTFE Trim	1/4" to 1-1/2"
-39-	SS Hi-Rise Locking Wheel Handle, SS Nut	1/4" to 1-1/2"
-40-	Cyl-Loc and Grounded	1/4" to 1-1/2"
-41-	Automatic Drain (Bronze Valves Only) see page J-8	1/4" to 1-1/2"
-45-	Less Lever & Nut	1/4" to 1-1/2"
-46-	Latch Lock Lever - Lock in Closed Position Only	1/4" to 1-1/2"
-47-	SS Oval Latch-Lock Handle & Nut	1/4" to 1"
-48-	SS Oval Handle (No Latch) & Nut	1/4" to 1-1/2"
-49-	Assembled Dry	1/4" to 1-1/2"
-50-	2-1/4" CS Locking Stem Extension	1/4" to 1-1/2"
-56-	Multifill Seats & Packing	1/4" to 1-1/2"
-57-	Oxygen Cleaned	1/4" to 1-1/2"
-58-	Chain Lever - Horizontal	3/4" to 1-1/2"
-60-	Static Grounded Ball & Stem	1/4" to 1-1/2"
-64-	250# Steam Trim	1/4" to 1-1/2"

For Pressure/Temperature Ratings, Refer to Page M-8, Graph No. 4



600# Bronze P-T Rating (Graph 4)

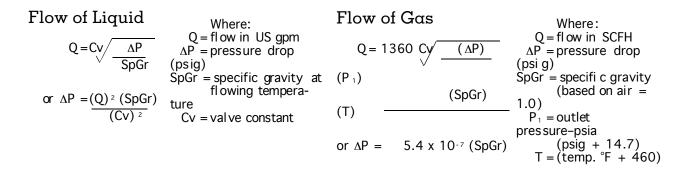


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FLOW DATA

For Apollo[®] and Saturn[®] 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, 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,77D SERIES	3

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-100/200/700,86R-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 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