

1/4" – 3" (DN 6 – 80) STANDARD PORT 600 CWP BRASS BALL VALVES

Jamesbury Series 300 general purpose ball valves feature bubble tight shut-off and are used in hot and cold water, compressed air, natural and bottled gas, and low pressure steam applications.

FEATURES

- Body and cap forged from high strength MS58 brass for a durable compact design.
- Brass ball and stem are plated to resist wear and corrosion.
- Internal entry system for positive retention.
- Large port for high flow capacity.
- Proven polymeric sealing with no metal to metal contact for reliable shut-off.
- Adjustable packing gland with reinforced PTFE stem seals.



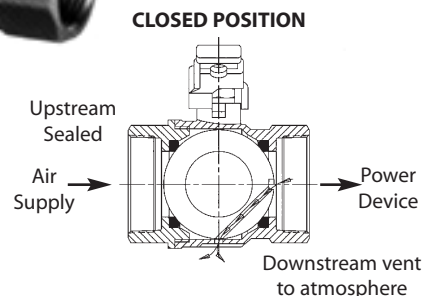
Series 361T and 362T valves feature a 3/4" male hose thread. The hose end includes a cap with lace retainer. Available in 1/2" and 3/4" (DN 15 and 20) sizes. Series 361T has female NPT, and 362T is made for joining with solder. Excellent valve for utility services such as water and HVAC. The hose connection is great for washdown and drain.



Solder End Series 341T and 346T are available in 1/2" – 2" (DN 15 – 50) sizes. Series 346T Features 316 stainless steel ball and stem.



Threaded Series 351T and 356T are the most economic choice for general purpose ball valves from Jamesbury. Sizes range from 1/4" – 3" (DN 6 – 80). Series 356T features 316 stainless steel ball and stem which is ideal for saturated steam service to 150 psi (10.34 bar).



Series 371T vent valves provide automatic downstream venting when in the closed position. A slide locking handle is standard on the 371T. Valves conform to OSHA 1910.147 lock/tagout requirements. The 1/2" – 1" (DN 15 – 25) valves can be cycled during an emergency from the open to the closed position without interference from mechanical stops. Other size valves may be locked in either open or closed position.



Deacon Industrial Supply Company, Inc.

Jamesbury/Metso Distributors of Ball Valves in PA

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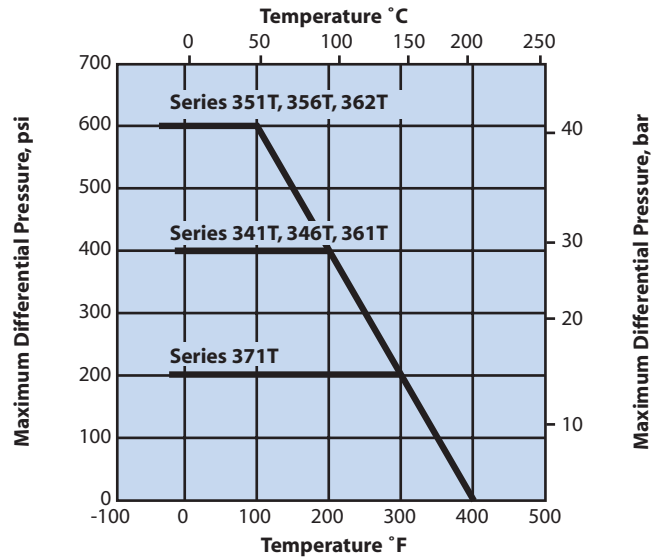
VALVE-BODY RATINGS

This is the maximum working pressure of the valve body only. The seat rating and solder joint rating determine the practical pressure limitation in actual service. Working pressure rating is 600 psi (41.37 bar) at -20°F to +100°F (-29°C to 38°C). 0°F (-18°C) solder end valves.

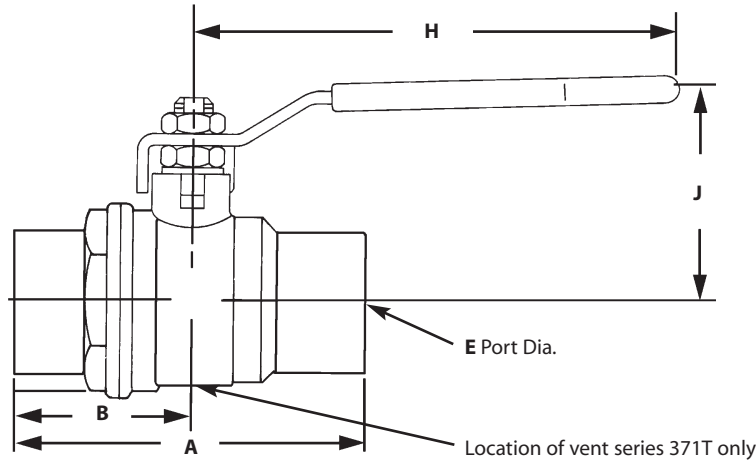
Solder Joint Ratings
Based on ANSI B16.18 and B16.22

Joining Material	Working Temperature		Maximum Working Pressure psi (bar)	
	°F	°C	1/2" – 1" (DN 15 – 25)	1-1/4" – 2" (DN 30 – 50)
50-50 Tin-Lead Solder	100	38	200 (13.8)	175 (12.1)
	150	66	150 (100.3)	125 (8.6)
	200	93	100 (6.9)	90 (6.5)
	250	121	85 (5.9)	75 (5.2)
95-5 Tin-Antimony Solder	100	38	400 (27.6)	400 (27.6)
	150	66	400 (27.6)	350 (24.1)
	200	93	300 (20.7)	250 (17.2)
	250	121	200 (13.8)	175 (12.1)

Valve Seat Ratings



Dimensions – Inches (mm) and Weights



These valves are available with a wide range of handles. Round Handles, Extension Handles, Locking devices and Memory Stops. To view valve handle accessories, please refer to Bulletin B103-6.

For Automated Brass Valves refer to Bulletin B103-2. Valves feature Jamesbury VPVL double opposed compact piston actuators.

Series 341T / 346T (Solder-End)

Valve Size inches	Approx. Dimensions – inches					Approx. Weight lb
	A	B	E	H	J	
1/2	2.07	0.94	0.39	3.94	1.65	0.4
3/4	2.64	1.32	0.59	3.94	1.73	0.6
1	3.27	1.63	0.79	4.72	2.07	1.0
1-1/4	3.74	1.87	0.98	4.72	2.24	1.4
1-1/2	4.41	2.20	1.26	6.22	3.03	2.1
2	5.37	2.70	1.57	6.22	3.29	3.5

Valve Size DN	Approx. Dimensions – (mm)					Approx. Weight kg
	A	B	E	H	J	
15	52.6	23.9	9.91	100.1	41.9	.18
20	67.1	33.5	15.0	100.1	43.9	.27
25	83.1	41.4	20.1	119.9	52.6	.45
30	95.0	47.5	24.9	119.9	56.9	.63
40	112.0	55.9	32.0	158.0	77.0	.94
50	136.4	68.6	39.9	158.0	83.6	1.6

Series 351T / 356T / 371T (Threaded-End)

Valve Size inches	Approx. Dimensions – inches					Approx. Weight lb
	A	B	E	H	J	
1/4	1.78	0.89	0.31	3.94	1.50	0.3
3/8	1.81	0.91	0.34	3.94	1.50	0.3
1/2	2.22	1.11	0.41	3.94	1.65	0.4
3/4	2.41	1.20	0.59	3.94	1.73	0.5
1	2.97	1.48	0.78	4.75	2.09	1.2
1-1/4	3.34	1.67	1.00	4.75	2.24	1.5
1-1/2	3.75	1.88	1.25	6.25	3.03	2.2
2	4.28	2.14	1.56	6.25	3.29	3.3
2-1/2	5.28	2.64	1.89	6.25	3.52	5.3
3	6.38	3.19	2.52	10.04	5.20	10.6

Valve Size DN	Approx. Dimensions – mm					Approx. Weight kg
	A	B	E	H	J	
6	45.2	22.6	7.9	100.1	38.1	.14
10	46.0	23.1	8.7	100.1	38.1	.14
15	56.4	28.2	10.4	100.1	41.9	.18
20	61.2	30.5	15.0	100.1	43.9	.23
25	75.4	37.6	19.8	120.7	53.1	.54
30	84.8	42.4	25.4	120.7	56.9	.68
40	95.3	47.8	31.8	158.8	77.0	.99
50	108.7	54.4	39.6	158.8	83.6	1.5
65	134.1	67.1	48.0	158.8	89.4	2.4
80	162.1	81.0	64.0	255.0	132.1	4.8

Series 361T

Valve Size inches	Approx. Dimensions – inches					Approx. Weight lb
	A	B	E	H	J	
1/2	2.45	1.06	0.39	3.94	1.65	0.4
3/4	2.56	1.20	0.59	3.94	1.73	0.5

Valve Size DN	Approx. Dimensions – mm					Approx. Weight kg
	A	B	E	H	J	
15	62.2	26.9	9.9	100.1	41.9	.18
20	65.0	30.5	15.0	100.1	43.9	.23

Series 362T

Valve Size inches	Approx. Dimensions – inches					Approx. Weight lb
	A	B	E	H	J	
1/2	2.33	0.94	0.39	3.94	1.65	0.4
3/4	2.68	1.32	0.59	3.94	1.73	0.6

Valve Size DN	Approx. Dimensions – mm					Approx. Weight kg
	A	B	E	H	J	
15	59.2	23.9	9.9	100.1	41.9	.18
20	68.1	33.5	15.0	100.1	43.9	.23

Bill of Materials and Parts List	
Part Name	Materials of Construction
Body	Forged Brass ⁺⁺
Ball*	Chrome-Plated Brass
Seats	Virgin PTFE
Stem*	Nickel-Plated Brass
Stem Seal	Virgin PTFE (PTFE & Viton 3" Size)
Handle	Vinyl-Coated Steel
Handle Nut	Carbon Steel
Packing Nut	Carbon Steel
Stem Thrust Washer	Carbon-Filled PTFE
Cap & Seal ⁺	Brass & EPDM

* Series 356T and 346T feature 316 stainless steel ball and stem material.

+ For Series 361T & 362T valves. Cap & seal not shown.

++Attention: The state of California has determined lead and lead compounds are known to cause cancer, birth defects and reproductive harm. The state of California prohibits the use of brass valves for drinking water service.

HOW TO ORDER

To order a valve series, first indicate the size then follow with the series. **Example:** 1/ 2" (DN 15) valve series 351T is specified 1/2 351T.



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Installation Instructions, Maintenance and Operation

IMO's (Installation, Maintenance, and Operating instructions) or AMI's (Assembly, Mounting, and Installation instructions) are shipped with the products. Additional copies of these instructions are available. Call your local Metso Automation Distributor, or visit our web site.

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