

Building connections that last™

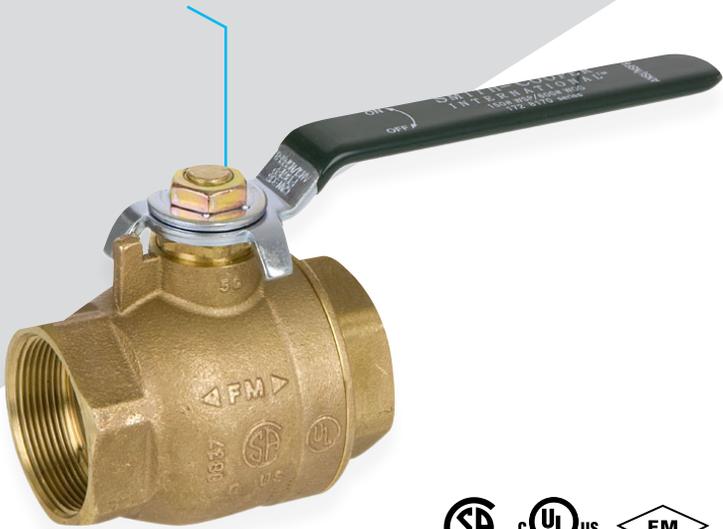


Series 8170 & Series 8171

Brass Ball Valves, Threaded
& Sweat Datasheet



Brass Ball Valve, Threaded Series 8170



Design Features

- 600 PSI CWP, 150 lb. WSP
- Full port
- Forged brass body
- Blow-out proof stem
- Chrome plated ball
- UL Listed (1/4" - 2") Threaded
- FM Approved, (1/2" - 2")
- CSA Approved under z21.15a for 1/2 psig (1/2" - 2") - Threaded
- CSA Approved under 3-88 for 5 psig (1/2" - 2") - Threaded
- Approved under ANSI/ASM B16.33 spec for gas piping to 125 psig (1/2" - 2")
- Meets Fed Spec WW-V-35, Type II, Class A, Style 3 (1/2" - 2")
- Conforms to MSS-SP110
- Also consider Series 8170L, Lead-Free

Note: It is illegal to use this product in the United States for portable water (drinking water) services.

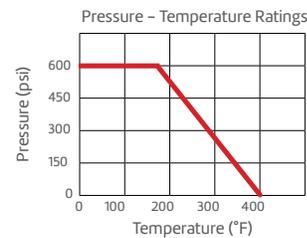
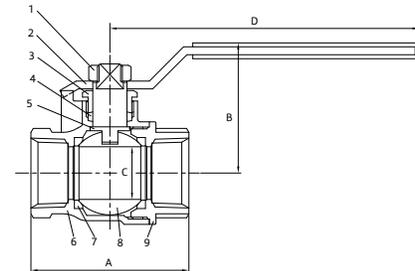
Parts & Materials

No.	Part	Material
1	Nut	Forged Steel ASTM - AISI-1010 (1/8" - 2") - ASTM A-283 (2-1/2" - 4")
2	Handle	Forged Steel ASTM-A-283-D
3	Packing Nut	Brass ASTM B-16, C36000 (1/8" - 2") - ASTM B-124, C37700 (2-1/2" - 4")
4	Stem Packing	PTFE
5	Stem	Brass ASTM B-16, C36000 (1/8" - 2") - ASTM B-124, C37700 (2-1/2" - 4")
6	Body	Forged Brass ASTM B-124 C37700, (1/8" - 1/2") - Cast Brass ASTM B-584 C85700, (2" - 4")
7	Ball Seat	PTFE
8	Ball	Chrome Plated, Brass ASTM B-16, C36000, (1/8" - 1/2") Chrome Plated, Forged Brass ASTM B-124, C37700 (3/4" - 4")
9	Body End Cap	Forged Brass ASTM B-124, C37700

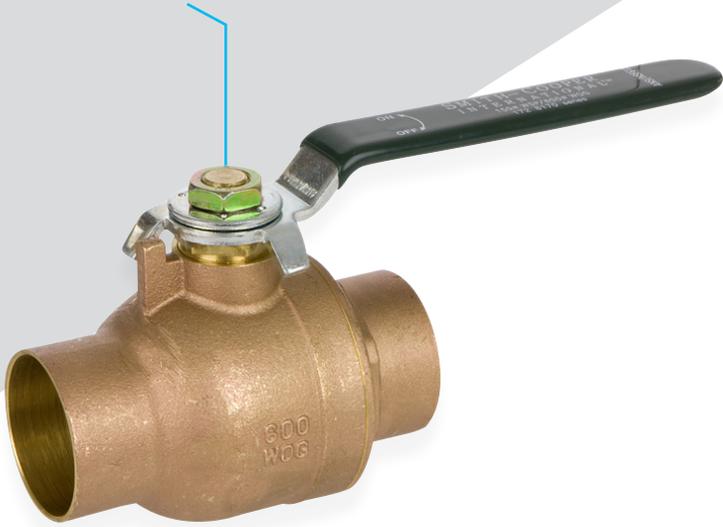
Dimensions

Size	Product Number	ASC 10-Digit	Weight	A	B	C	D	Cv
In			Lb	In	In	In	In	
1/8	01728170A	4377000000	0.34	1.81	1.37	0.37	3.23	6.5
1/4	01728170C	4377000010	0.34	1.81	1.37	0.37	3.23	6.5
3/8	01728170E	4377000020	0.34	1.81	1.37	0.37	3.23	6.5
1/2	01728170G	4377000030	0.42	2.12	1.45	0.50	3.23	10.0
3/4	01728170I	4377000040	0.83	2.41	1.78	0.75	3.94	26.0
1	01728170K	4377000050	1.25	2.96	2.29	0.98	4.72	48.0
1-1/4	01728170L	4377000060	2.05	3.28	2.44	1.24	4.72	70.0
1-1/2	01728170M	4377000070	2.80	3.62	3.0	1.50	7.09	105.0
2	01728170N	4377000080	4.72	4.21	3.30	1.98	7.09	200.0
2-1/2	01728170P	4377000090	7.89	5.15	3.85	2.48	7.87	380
3	01728170Q	4377000100	11.7	5.90	4.17	2.95	7.87	550
4	01728170T	4377000110	16.0	7.38	6.00	3.85	10.5	1050

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov



Brass Ball Valve, Sweat Series 8171



Design Features

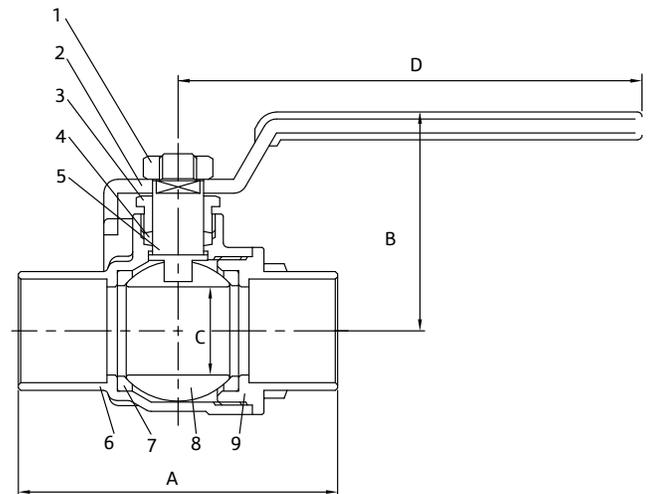
- 600 PSI CWP, 150 lb. WSP
- Full port
- Forged brass body
- Blow-out proof stem
- Chrome plated ball
- Meets Fed Spec WW-V-35, Type II, Class A, Style 3
- Conforms to MSS-SP110
- Consider Series 8171L, Lead-Free

Note: It is illegal to use this product in the United States for portable water (drinking water) services.

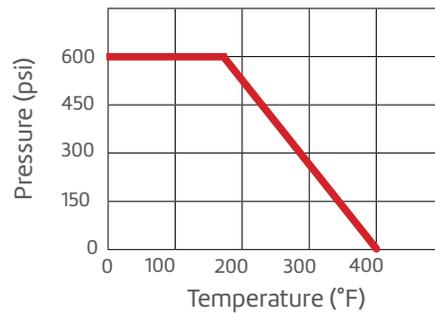
! WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

Parts & Materials

No.	Part	Material
1	Nut	Forged Steel ASTM - AISI-1010
2	Handle	Forged Steel ASTM-A-283-D
3	Packing Nut	Brass ASTM B-16, C36000
4	Stem Packing	PTFE
5	Stem	Brass ASTM B-16, C36000
6	Body	Forged Brass ASTM B-124 C37700
7	Ball Seat	PTFE
8	Ball	Chrome Plated, Brass ASTM B-16, C36000, (1/2") - Chrome Plated, Forged Brass ASTM B-124, C37700 (1" & 1-1/4")
9	Body End Cap	Forged Brass ASTM B-124, C37700



Pressure - Temperature Ratings



Dimensions

Size	Product Number	ASC 10-Digit	Weight	A	B	C	D	Cv
In			Lb	In	In	In	In	
1/2	01728171G	4377000200	0.37	1.94	1.45	0.50	3.23	10
3/4				N/A	Consider Series 8156 or 8171L			
1	01728171K	4377000210	1.16	3.29	2.29	0.98	4.72	48
1-1/4	01728171L	4377000220	1.88	3.74	2.44	1.24	4.75	70
1-1/2				N/A	Consider Series 8156 or 8171L			
2				N/A	Consider Series 8156 or 8171L			

About ASC Engineered Solutions

ASC Engineered Solutions is defined by quality—in its products, services and support. With more than 1,400 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruklok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF® and SprinkFLEX®. With headquarters in Commerce, CA, and Exeter, NH, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



asc-es.com

Building connections that last™

