

FORGED BRASS BALL VALVE

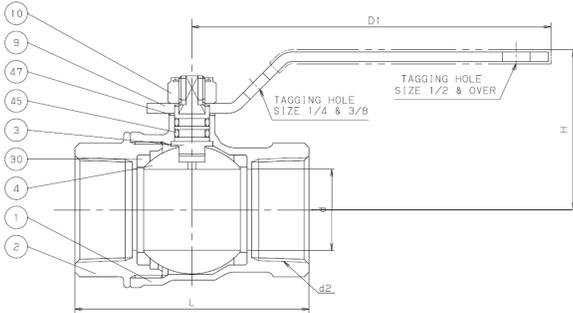
MAINTENANCE FREE DOUBLE O-RING STEM SEALS

Two Piece Body • Full Port • SnNi Plated / Vented Ball

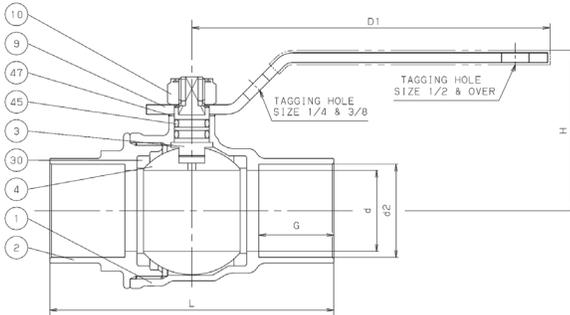
Blowout Proof Stem (Ni Plated) • PTFE Seats

CSA (US/C) • FM

CODE # 58 (AKSZA) THREADED



CODE # 59 (CSZA) SOLDER*



*REFERENCE VALVE INSTALLATION TIPS FOR SOUND SOLDER JOINTS (PAGE BV-73) OR SEE INSTALLATION SHEET PACKAGED WITH VALVE.

SPECIFICATION

Approved valve shall have two piece forged brass body, blowout proof stem (Ni Plated), PTFE seats, maintenance free double o-ring stem seals, SnNi plated ball and full port design. Valves shall be pressure rated to 150 WSP/600 WOG and conform to MSS-SP 110 and certified to CSA & FM.

KITZ Code # 58 (AKSZA) Threaded Ends
59 (CSZA) Solder Ends

STANDARDS

END TO END KITZ STD.
THREADED ENDS ANSI B1.20.1
SOLDER ENDS ANSI B16.18
WALL THICKNESS KITZ STD.
CONFORMS TO MSS-SP 110

PRESSURE / TEMPERATURE

600PSI - COLD WORKING PRESSURE (CWP)
150PSI - SATURATED STEAM (WSP)
NOTE: PRESSURE / TEMPERATURE CHART - PAGE BV-35

MATERIAL LIST

NO.	NAME OF PART	SPECIFICATION
1	BODY	FORGED BRASS (B283, C37700)
2	BODY CAP	FORGED BRASS (B283, C37700)
3	STEM	(1) BRASS ROD (B16)
4	BALL (Vented)	(2) FORGED BRASS (B283, C37700) STRAIGHT OR HOLLOW BALL
9	HANDLE	(3) CARBON STEEL
10	HANDLE NUT	CARBON STEEL
30	BALL SEATS	PTFE
45	O-RINGS	FKM
47	THRUST WASHER	PBT

NOTES: (1) Ni PLATING
(2) SnNi PLATING
(3) ELECTROPLATED ZINC WITH PLASTIC COVERING

DIMENSIONS & WEIGHTS DIMENSIONS • WEIGHTS • QUANTITIES

	d2 SIZE	d	H	D1	L		G	d2		APROX NET WT	CARTON QTY
					#58	#59		Max.	Min.		
in.	1/4	0.39	1.46	2.76	1.65	-	-	-	-	0.27	120
mm.	10	37.1	70	42	-	-	-	-	-	0.12	
in.	3/8	0.39	1.46	2.76	1.65	1.80	0.38	0.506	0.502	0.27	120
mm.	10	37.1	70	42	45.8	9.7	12.86	12.75	0.12	0.12	
in.	1/2	0.59	1.57	3.15	2.08	2.13	0.50	0.631	0.627	0.40	96
mm.	15	39.9	80	52.9	54.2	12.7	16.03	15.93	0.18	0.18	
in.	3/4	0.79	1.73	3.15	2.36	2.87	0.75	0.881	0.877	0.62	60
mm.	20	44	80	60	72.9	19.1	22.38	22.28	0.28	0.28	
in.	1	0.98	1.97	4.33	2.83	3.46	0.91	1.132	1.128	1.09	36
mm.	25	50.1	110	71.9	87.9	23.1	28.8	28.7	0.49	0.49	
in.	1 1/4	1.26	2.16	4.33	3.31	3.93	0.97	1.382	1.378	1.44	24
mm.	32	54.9	110	84.1	99.9	24.6	35.10	35.00	0.65	0.65	
in.	1 1/2	1.57	2.56	5.90	3.62	4.53	1.09	1.633	1.628	2.4	16
mm.	40	65.1	150	92	115.1	27.7	41.48	41.35	1.1	1.1	
in.	2	1.97	2.83	5.90	4.33	5.53	1.34	2.133	2.128	4.0	16
mm.	50	71.9	150	110	140.5	34.0	54.18	54.05	1.8	1.8	

CERTIFICATIONS

CSA (US/C)
CSA/ANSI Z21.15:21/CSA9.1:21 Third Edition
CSA 9.4:21 First Edition
ASME B16.44-2023
CSA 3.16:21 Fourth Edition
ASME B16.33-2024
FM-1140 - 175 WWP (Fire Protection Systems)