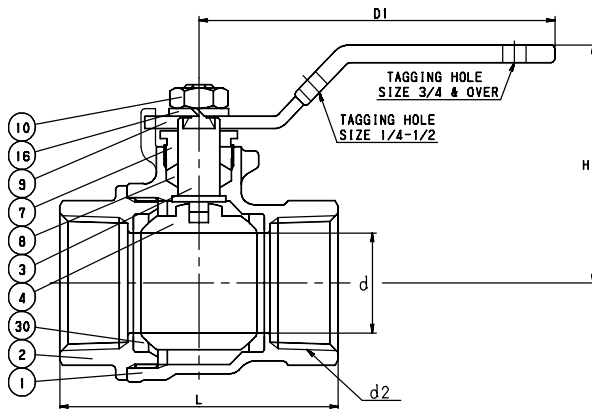


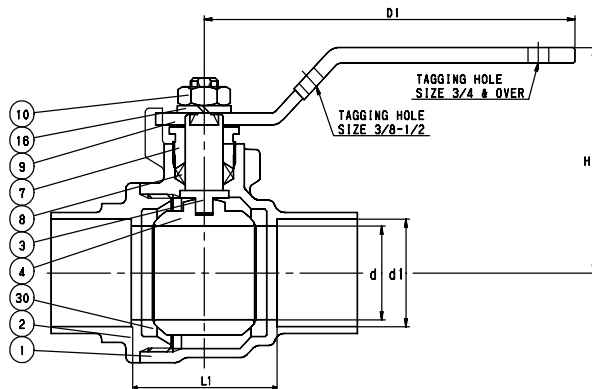
FORGED BRASS/CAST BRONZE BALL VALVE

Two Piece Body • Full Port
 Blowout Proof Stem • Chrome Plated / Vented Ball • PTFE Seats and Seals
 CSA (US/C) • UL • FM**

CODE # 68 (AKTAF)
THREADED (1/4"-2")
 For larger sizes see P. BV-17



CODE # 69 (CTAF)
SOLDER* (3/8"-3")
 UL • FM**



*REFERENCE VALVE INSTALLATION TIPS FOR
 SOUND SOLDER JOINTS (PAGE BV-66) OR SEE
 INSTALLATION SHEET PACKAGED WITH VALVE.

SPECIFICATION

Approved valve shall have two piece forged brass or cast bronze body, blowout proof stem, PTFE seats/seals, chrome plated ball and full port design. Valves sizes 1/4"-2" shall be pressure rated to 150 WSP/600 WOG and conform to MSS-SP 110 and certified to CSA, UL & FM. Valve sizes 2 1/2"-3" shall be pressure rated to 150 WSP/400 WOG and conform to MSS-SP 110.

KITZ Code No. 68 (AKTAF) Threaded Ends
 69 (CTAF) Solder Ends (UL & FM)

STANDARDS

END TO END	KITZ
THREADED ENDS	ANSI B1.20.1
SOLDER JOINT ENDS	ANSI B16.18
WALL THICKNESS	KITZ
CONFORMS TO MSS-SP 110 - REPLACES US. FED. SPEC. WWW-V-35B, TYPE II, CLASS A, STYLE 3	

PRESSURE/TEMPERATURE

150 PSI - SATURATED STEAM TO 366°F
600 PSI NON-SHOCK COLD WATER, OIL OR GAS
400 PSI NON-SHOCK COLD WATER, OIL OR GAS

NOTE: PRESSURE/TEMPERATURE CHART - PAGE BV-29

MATERIAL LIST

NO.	NAME OF PART	SPECIFICATION
1	BODY (1/4"-3") (2 1/2"-3")	FORGED BRASS (B283, C37700) CAST BRONZE (B584, C84400)
2	BODY CAP (1/4"-2") (2 1/2"-3")	FORGED BRASS (B283, C37700) CAST BRONZE (B584, C84400)
3	STEM	(1) SPECIAL BRASS (KITZ, "K-METAL")
4	BALL (Vented) (1/4"-2") (2 1/2"-3")	(2) FORGED BRASS (B283, C37700) CAST BRONZE (B584, C84400)
7	GLAND	BRASS ROD (B16)
8	GLAND PACKING	PTFE
9	HANDLE	(3) CARBON STEEL
10	HANDLE NUT (1/4"-2 1/2")	CARBON STEEL
16	SPRING WASHER	CARBON STEEL
16A	WASHER (3")	CARBON STEEL
30	BALL SEATS	PTFE
123	HANDLE BOLT (3")	CARBON STEEL

NOTES: (1) PROPRIETARY DEZINCIFICATION RESISTANT MATERIAL.
 (2) CR. PLATING
 (3) ELECTROPLATED ZINC WITH PLASTIC COVERING

DIMENSIONS - WEIGHTS - QUANTITIES

d2 SIZE	d	H	D1	L	L1	d1		APPROX. CARTON NET WT.	QTY
						Max.	Min.		
1/4	.39	1.54	3.23	1.61	-	-	-	48	120
3/8	.39	1.54	3.23	1.65	1.05	.506	.502	48	120
1/2	.59	1.65	3.23	2.09	1.13	.631	.627	52	96
3/4	.79	2.01	3.94	2.36	1.37	.881	.877	50	60
1	.98	2.32	5.12	2.83	1.64	1.132	1.128	51	36
1 1/4	1.26	2.52	5.12	3.23	2.00	1.382	1.378	50	24
1 1/2	1.57	2.87	5.91	3.62	2.35	1.633	1.628	54	16
2	1.97	3.15	5.91	4.13	2.83	2.133	2.128	72	16
2 1/2	2.56	4.25	7.78	-	3.48	2.633	2.628	17	2
3	2.99	4.80	11.81	-	4.04	3.113	3.128	26	2

**CSA (US/C):
 ASME B16.33 - 125G
 CGA 3.16-M88 - 125G
 UL-125, 842, 1769
 FM-1140 - 175 WWP (Fire Protection Systems)