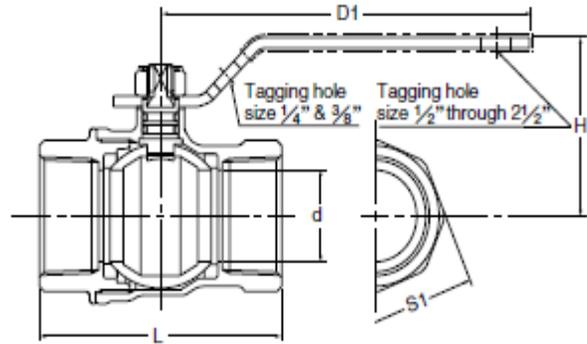




# KITZ Brass Ball Valve - Fig.SZA 600WOG/150WSP Threaded BS21



## Approvals

- AKSZA (1/4" through 2")



CSA : 1/2 psig at the appliance  
CSA : 5 psig from the appliance to the meter  
CSA : 125 psig from the meter to the street

- AKSZA / CSZA (1/4" through 2")



UL / FM : for fire protection

Note : CSA-Canadian Standards Association  
Consolidation of the American Gas Association (AGA) and the Canadian Gas Association (CGA)  
UL - Underwriters Laboratories  
FM - Factory Mutual

## Application

Water, Oil, Gas, and Steam

## Maximum Working Pressure

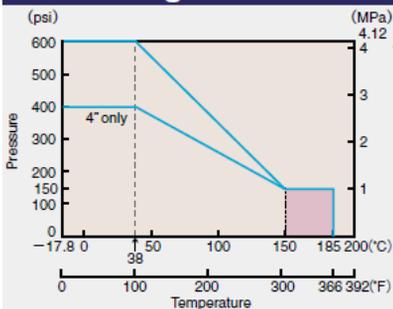
Unit	Working Pressure Non-Shock			Test Pressure		
	Saturated Steam	Cold Water, Oil, Gas		Shell (Hydrostatic)		Seat (Air)
		1/4"-3"	4"	1/4"-3"	4"	
psi	150	600	400	900	600	80
MPa	0.98	4.12	2.75	6.18	4.12	0.59
Bar	9.8	41.2	27.5	61.8	41.2	5.9
kgf/cm <sup>2</sup>	10	42	28	63	42	6

● Note : For more details, please refer to P-T rating chart.

## Effective Length of Thread

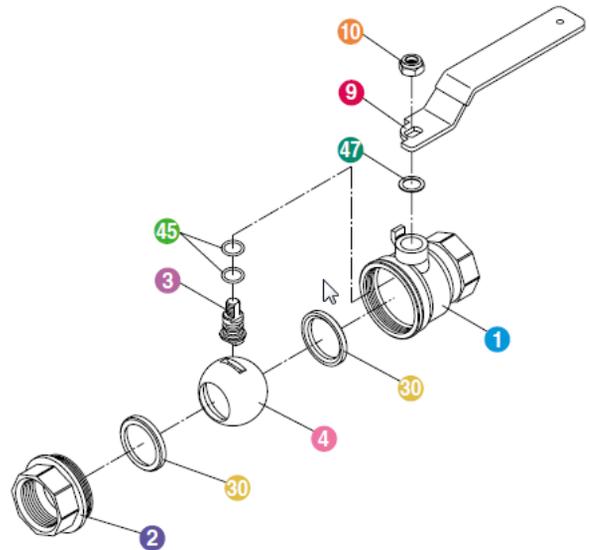
Size	unit : mm (inch)						
	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"
Super Z	8.5 (0.335)	9 (0.354)	12 (0.472)	13 (0.512)	15.5 (0.610)	16.5 (0.650)	16.5 (0.650)
ZA/AKZA	7.5 (0.295)	8 (0.315)	10 (0.394)	11 (0.433)	12 (0.472)	13 (0.512)	14 (0.552)
Size	2"	2 1/2"	3"	4"			
Super Z	19.5 (0.768)	22.0 (0.866)	25.0 (0.984)	30.0 (1.181)			
ZA/AKZA	16.5 (0.650)	-	-	-			

## P-T Rating



★ Advisory Note :  
 • Please be advised that applications in the shaded zone will reduce the service life of the valve.  
 • The maximum working pressure and temperature of solder jointed valves are limited by the properties of solder and tube materials. Information on typical solder materials are provided on the back cover of this catalog.

## Construction and Materials



\* Illustration shows threaded ends design up to 2".

No.	Parts	Q'TY	Materials (ASTM)
1	Body	1	Forged Brass (B283 No. C37700)/Cast Bronze (B584 No. C84400)*1
2	Body Cap	1	Forged Brass (B283 No. C37700)/Cast Bronze (B584 No. C84400)*1
3	Stem	1	Brass Rod (B16)*2
4	Ball	1	Forged Brass (B283 No. C37700)*3/Cast Brass*3*4
9	Handle	1	Carbon Steel*1/Ductile Iron*5
10	Handle Nut	1	Carbon Steel
30	Ball Seat	2	PTFE
45	O-ring	2	FPM*6
47	Thrust Washer	1	PBT*7/PTFE*8

Note:

- ★1 2 1/2" through 4"
- ★2 Ni plating
- ★3 Cr plating
- ★4 Plastic covering
- ★5 3" and 4"
- ★6 Fluorocarbon Elastomer
- ★7 Polybutylene Terephthalate
- ★8 2 1/2" and up