

600WOG / 150WSP Full Port Two-piece Brass Ball Valves



Fig.

SZA (for BS21 threaded ends)

AKSZA [Code#58] (for NPT threaded ends - ASME B 1.20.1)



CSZA [Code#59] (for solder joint ends - ASME B 16.18)



Features

- All sizes rated 600 WOG / 150 WSP (400WOG for 4")
- Conforms to specification of MSS-SP-110 (AKSZA / CSZA)
- Maintenance Free, Double "O" -ring stem seal and PTFE seats
- Two-piece construction with a chrome plated brass ball
- Blowout - proof stem
- Quick quarter-turn for easy operation
- Three types of end connection design
 - BS21 threaded end connection
 - NPT threaded end connection
 - Solder joint end connection

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 ²	10	42	28	63	42	6

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

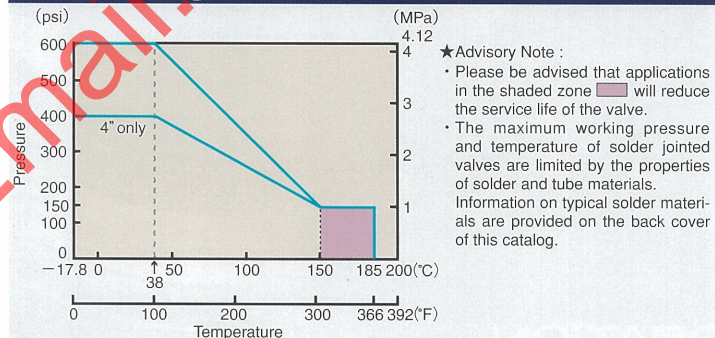
Effectiveness Length of Thread

unit : mm (inch)

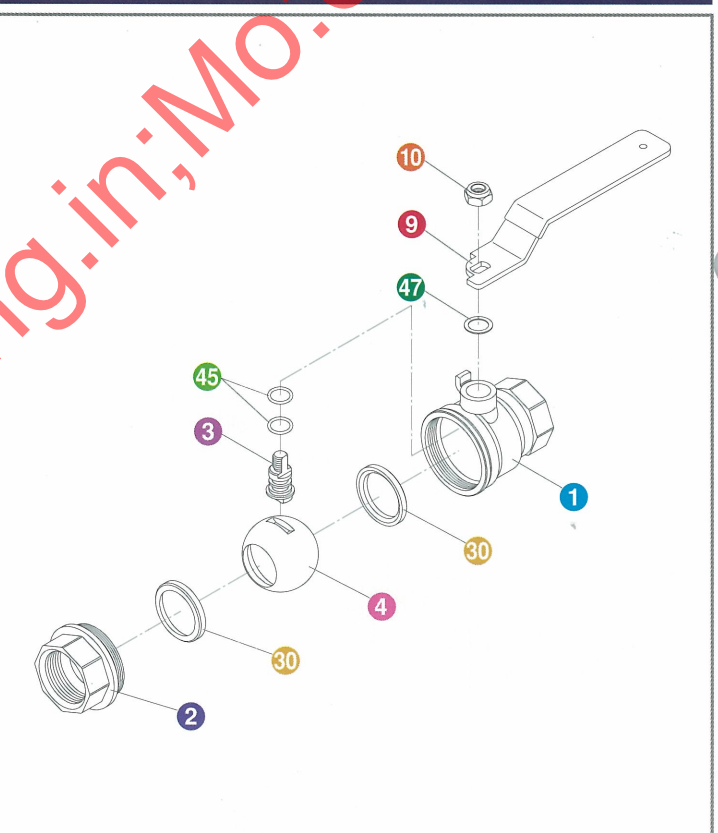
Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"
Super Z	8.5 (0.335)	9 (0.354)	12 (0.472)	13 (0.512)	15.5 (0.610)	16.5 (0.650)	16.5 (0.650)
ZA/AKZA	7.5 (0.295)	8 (0.315)	10 (0.394)	11 (0.433)	12 (0.472)	13 (0.512)	14 (0.552)

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



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 ★4 / 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

