

CLASS 125

BRONZE GLOBE VALVE

Screwed bonnet, Rising stem, Designed to MSS SP-80 type 1, Threaded ends to NPT or solder joint ends

W.O.G. non-shock 1.38 MPa (200 psi), Saturated steam pressure 0.86 MPa (125 psi)



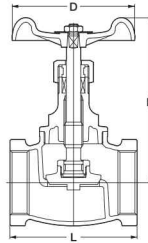
Fig. AK125C

• Threaded end to ASME B1.20.1



Fig. C125C

• Solder joint end to ASME B16.18



Materials

Parts	Material
Body	Bronze
Bonnet	Brass/Bronze*
Stem	Bronze
Disc	Bronze
Gland packing	Aramid Fibers Graphite

*Size 2 1/2 & 3

⚠ Solder joint end valves should not be used in service where the temperature of the line fluid is higher than the softening point of the solder.

⚠ Do not use for flammable gas or toxic gas.

Dimensions

Nominal Size	inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	mm
	mm	15	20	25	32	40	50	65	80	
L		53	65	77	85	100	119	150	178	
L1 Solder		64	84	100	115	130	155	192	232	
H valve open		76	98	108	137	160	180	202	246	
D		60	70	80	90	100	115	135	155	

CLASS 150

BRONZE GLOBE VALVE

Union bonnet*, Rising stem, Designed to MSS SP-80 type 2, Threaded end to NPT or solder joint ends

W.O.G. non-shock 2.07 MPa (300 psi), Saturated steam pressure 1.03 MPa (150 psi)

*Size 2 1/2 and larger: Bolted bonnet



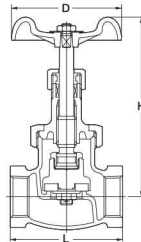
Fig. AK150D

• Threaded end to ASME B1.20.1



Fig. C150D

• Solder joint end to ASME B16.18



Materials

Parts	Material
Body	Bronze
Bonnet	Bronze
Stem	Bronze
Disc	G/F PTFE
Gland packing	Aramid Fibers Graphite PTFE Braided Packing**

**Size 3 & 4

⚠ Solder joint end valves should not be used in service where the temperature of the line fluid is higher than the softening point of the solder.

⚠ Do not use for flammable gas or toxic gas.

Dimensions

Nominal Size	inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	mm
	mm	8	10	15	20	25	32	40	50	65	80	100	
L		53	55	64	78	90	105	120	145	170	200	245	
L1 Solder		58	61	72	95	112	126	145	180	205	244	312	
H valve open		109	109	116	136	149	173	182	209	247	275	298	
D		60	60	70	90	100	115	115	135	155	180	225	

CLASS 300

BRONZE GLOBE VALVE

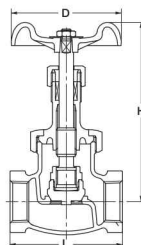
Union bonnet, Rising stem, Designed to MSS SP-80 type 1, Threaded ends to NPT

W.O.G. non-shock 4.14 MPa (600 psi), Saturated steam pressure 2.07 MPa (300 psi)



Fig. AK300J

• Threaded end to ASME B1.20.1



Materials

Parts	Material
Body	Bronze
Bonnet	Bronze
Stem	Bronze
Disc	Bronze
Gland packing	Flexible Graphite & Aluminum

⚠ Do not use for flammable gas or toxic gas.

Dimensions

Nominal Size	inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	mm
	mm	8	10	15	20	25	32	40	50	
L		53	55	64	78	90	105	120	145	
H valve open		113	113	126	139	159	187	195	224	
D		60	60	80	90	100	115	135	155	

CLASS 300

BRONZE GLOBE VALVE

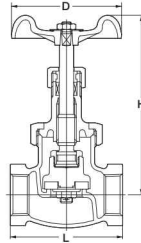
Union bonnet, Rising stem, Designed to MSS SP-80 type 2, Threaded end to NPT

W.O.G. non-shock 4.14 MPa (600 psi), Saturated steam pressure 2.07 MPa (300 psi)



Fig. AK300D

• Threaded end to ASME B1.20.1



Materials

Parts	Material
Body	Bronze
Bonnet	Bronze
Stem	Bronze
Disc	G/F PTFE
Gland packing	Flexible Graphite & Aluminum

⚠ Do not use for flammable gas or toxic gas.

Dimensions

Nominal Size	inch	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	mm
	mm	8	10	15	20	25	32	40	50	
L		53	55	64	78	90	105	120	145	
H valve open		113	113	126	139	157	187	192	221	
D		60	60	80	90	100	115	135	155	

CLASS 125

BRONZE Y-PATTERN SWING CHECK VALVE

Screwed cap, Swing type disc, Designed to MSS SP-80 type 3, Threaded ends to NPT or solder joint ends

W.O.G. non-shock 1.38 MPa (200 psi), Saturated steam pressure 0.86 MPa (125 psi)



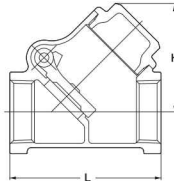
Fig. AKYR

• Threaded end to ASME B1.20.1



Fig. CYR

• Solder joint end to ASME B16.18



Materials

Parts	Material
Body	Bronze
Cap	Brass
Hinge pin	Copper
Disc	Bronze

⚠ Solder joint end valves should not be used in service where the temperature of the line fluid is higher than the softening point of the solder.

⚠ Do not use for flammable gas or toxic gas.

Dimensions

Nominal Size	inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	mm
	mm	15	20	25	32	40	50	65	80	
L		56	70	80	95	110	128	156	184	
L1 Solder		67	86	105	121	137	170	194	222	
H		40	49	58	71	80	95	114	131	
H1 Solder		38	47	56	69	77	92	111	127	

CLASS 150

BRONZE Y-PATTERN SWING CHECK VALVE

Screwed cap, Swing type disc, Designed to MSS SP-80 type 3, Threaded ends to NPT or solder joint ends

W.O.G. non-shock 2.07 MPa (300 psi), Saturated steam pressure 1.03 MPa (150 psi)



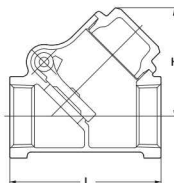
Fig. AK150YR

• Threaded end to ASME B1.20.1



Fig. C150YR

• Solder joint end to ASME B16.18



Materials

Parts	Material
Body	Bronze
Cap	Brass
Hinge pin	Copper
Disc	Bronze

⚠ Solder joint end valves should not be used in service where the temperature of the line fluid is higher than the softening point of the solder.

⚠ Do not use for flammable gas or toxic gas.

Dimensions

Nominal Size	inch	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	mm
	mm	10	15	20	25	32	40	50	65	80	
L		54	60	72	84	99	113	131	162	186	
L1 Solder		61	67	86	105	121	137	170	194	222	
H		39	39	49	58	70	79	95	114	132	