

CLASS 100 BRONZE GLOBE VALVE

Screwed bonnet, Rising stem, Threaded ends to BS21 (JIS B0203) or NPT

W.O.G. non-shock 1.03 MPa (150 psi), Saturated steam pressure 0.7 MPa (100 psi)

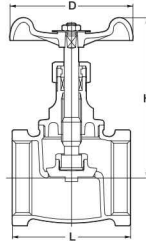


Fig. A

- Threaded end to BS21 (JIS B0203)

Fig. AKA

- Threaded end to ASME B1.20.1



Materials

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

*Size 4 only

⚠ 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
L		40	42	48	53	63	73	81	94	115	131	171	
H valve open		66	67	69	80	94	104	127	147	179	200	250	
D		50	50	55	60	70	80	90	100	115	135	180	

BRONZE GLOBE VALVE

Screwed bonnet, Rising stem, Soft seated disc, Threaded ends to BS21 (JIS B0203)

W.O.G. non-shock 0.86 MPa (125 psi)



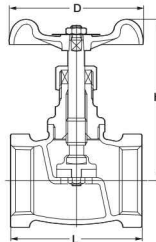
Fig. Q

- Rubber disc



Fig. QA

- PTFE disc (for oil service)



Materials

Parts	Material
Body	Bronze
Bonnet	Brass
Stem	Dezincification Resistant Brass
Disc	Urethane rubber/PTFE
Gland packing	Aramid Fibers Graphite

⚠ 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	mm
L		44	50	63	73	81	94	
H valve open		70	73	86	108	132	150	
D		50	55	60	80	90	100	

*Size 1 1/4 & larger = QA only

CLASS 150 BRONZE GLOBE VALVE

Screwed bonnet, Rising stem, Threaded ends to BS21 (JIS B0203) or NPT

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

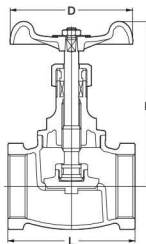


Fig. C

- Threaded end to BS21 (JIS B0203)

Fig. AKC

- Threaded end to ASME B1.20.1



Materials

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

*Size 3 only

⚠ 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	mm
L		44	44	53	65	77	85	100	119	139	158	
H valve open		66	68	79	93	104	127	145	174	199	215	
D		50	50	60	70	80	90	100	115	135	155	

CLASS 150 BRONZE GLOBE VALVE

Screwed bonnet, Angle type body, Rising stem, Threaded ends to BS21 (JIS B0203) or NPT

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

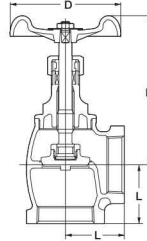


Fig. CA

- Threaded end to BS21 (JIS B0203)

Fig. AKCA

- Threaded end to ASME B1.20.1



Materials

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

*Size 3 only

⚠ 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	mm
L	21	24	28	34	40	47	52	61	74	85		
H valve open	66	68	79	93	104	127	145	174	199	215		
D	50	50	60	70	80	90	100	115	135	155		

CLASS 150 BRONZE GLOBE VALVE

Screwed bonnet, Rising stem, Flanged ends drilled or undrilled optionally

W.O.G. non-shock 1.55 MPa (225 psi), Saturated steam pressure 1.03 MPa (150 psi)

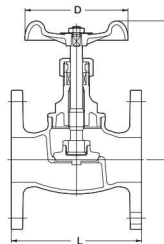


Fig. B

- Undrilled unless drilling is specified as an option

Fig. BH

- Drilled according to JIS 10K



Materials

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

*Size 3 and 4

⚠ 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	4	mm
L	83	88	100	113	120	145	165	177	220		
H valve open	79	94	105	127	145	174	198	215	250		
D	60	70	80	90	100	115	135	155	180		

*Shall not be in accordance with JIS B 2240

CLASS 125 BRONZE GLOBE VALVE

Union bonnet*, Rising stem, Soft seated disc, Threaded ends to BS21 (JIS B0203) or NPT

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

*Size 1/4: Screwed bonnet

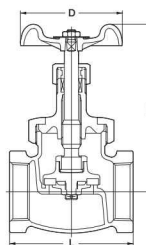


Fig. G

- Threaded end to BS21 (JIS B0203)

Fig. AGK

- Threaded end to ASME B1.20.1



Materials

Parts	Material
Body	Bronze
Bonnet	Brass/Bronze*
Stem	Dezincification Resistant Brass
Disc	G/F PTFE
Gland packing	Aramid Fibers Graphite

*Size 2 1/2 and 3

⚠ 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	mm
L	47	53	57	66	76	88	100	120	147	162		
H valve open	68	88	100	110	120	140	156	185	210	229		
D	50	55	60	70	80	90	100	115	135	155		

CLASS 150 BRONZE GLOBE VALVE

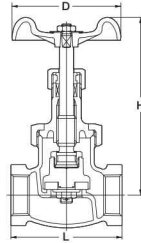
Union bonnet, Rising stem, Soft seated disc, Threaded ends to BS21 (JIS B0203)

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



Fig. D

- Threaded end to BS21 (JIS B0203)



Materials

Parts	Material
Body	Bronze
Bonnet	Brass/Bronze*
Stem	Dezincification Resistant Brass
Disc	G/F PTFE
Gland packing	Aramid Fibers Graphite

*Size 1½ & 2

⚠ Do not use for flammable gas or toxic gas.

Dimensions

Nominal Size	inch	½	¾	1	1¼	1½	2	mm	
	mm	15	20	25	32	40	50		
L		64	78	90	105	120	145		
H valve open		113	138	156	184	187	212		
D		60	90	100	115	115	135		

CLASS 150 BRONZE GLOBE VALVE

Union bonnet*, Rising stem, Soft seated disc, Flanged ends drilled or undrilled optionally

W.O.G. non-shock 1.55 MPa (225 psi), Saturated steam pressure 1.03 MPa (150 psi)

*Size 2½ and larger: Bolted bonnet

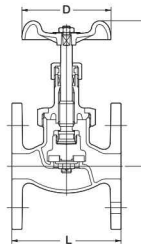


Fig. DB

- Undrilled unless drilling is specified as an option

Fig. DBH

- Drilled according to JIS 10K



Materials

Parts	Material
Body	Bronze
Bonnet	Brass/Bronze*
Stem	Dezincification Resistant Brass
Disc	G/F PTFE
Gland packing	Aramid Fibers Graphite/PTFE Fiber Braid**

*Size 1½ & larger
**Size 4 only

⚠ Do not use for flammable gas or toxic gas.

Dimensions

Nominal Size	inch	½	¾	1	1¼	1½	2	2½	3	4	mm
	mm	15	20	25	32	40	50	65	80	100	
L		82	95	108	120	140	165	190	220	270	
H valve open		113	138	156	184	187	212	244	281	321	
D		60	90	100	115	115	135	155	180	225	

*Shall not be in accordance with JIS B 2240

CLASS 125 BRASS GATE VALVE

Screwed bonnet, Non-rising stem, Threaded ends to BS21 (JIS B0203) or NPT, or solder joint ends

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



Fig. FR

- Threaded end to BS21 (JIS B0203)

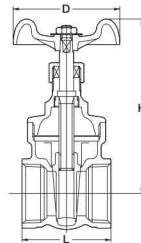
Fig. AKFS

- Threaded end to ASME B1.20.1



Fig. CFS

- Solder joint ends to ASME B16.18



Materials

Parts	Material
Body	Brass
Bonnet	Brass
Stem	Dezincification Resistant Brass
Disc	Brass
Gland packing	Aramid Fibers Graphite

⚠ 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	¾	1	1¼	1½	2	2½	3	mm
	mm	10	15	20	25	32	40	50	65
L		38	42	47	50	60	63	72	80
L1 Solder			45	60	70	77	86	102	
H		73	73	87	97	117	126	154	167
H Solder			75	86	97	117	126	154	
D		50	50	55	60	70	80	90	100

*2½ and 3 = AKFS only