

Bronze & Brass Valves

JIS 5K/10K, ASME Class 125/150/300, KITZ Type 100/125/150/300/400/600



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) • Threaded end to ASME B1.20.1

*Taper pipe threads for connection shall refer to JIS B0203 standards, while the length of useful threads and the positions of gauge planes are built on KITZ standard.

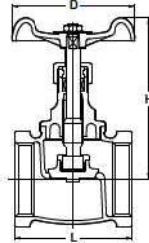


Fig. AKA

Dimensions

Nominal Size	inch		mm										
	1/4	3/8	8	10	15	20	25	32	40	50	65	80	100
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		

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.

CLASS 100 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*

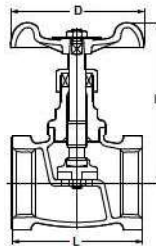
• Rubber disc



Fig. QA*

• PTFE disc (for oil service)

*Taper pipe threads for connection shall refer to JIS B0203 standards, while the length of useful threads and the positions of gauge planes are built on KITZ standard.



Dimensions

Nominal Size	inch		mm				
	1/2	3/4	1	1 1/4	1 1/2	2	
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

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.

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)

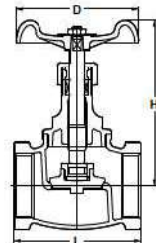


Fig. C

• 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		mm									
	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3		
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		