

# 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)

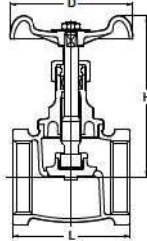


Fig. A\*

Fig. AKA

• 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.



### 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		mm									
	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	
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	

## 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\*

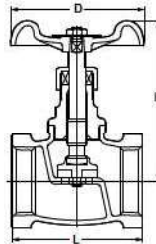
• Rubber disc



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.



### 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		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

## 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)

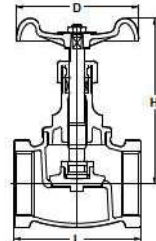


Fig. C

• 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	