

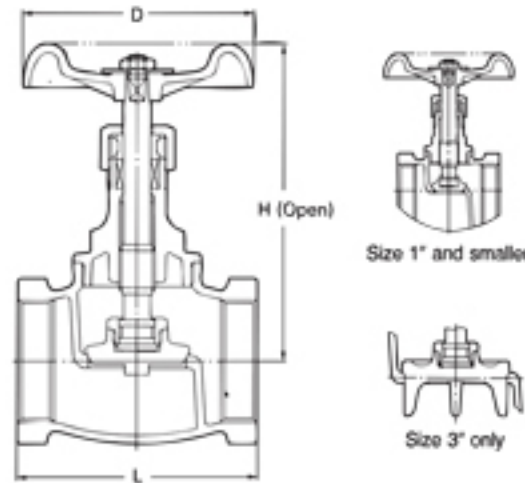
Fig. C



Class 150

C... Threaded ends to BS21

Screwed bonnet, Rising stem, Swivel disc, Integral seat, Threaded ends to BS21 or NPT.



2.07 MPa (300 psi) W.O.G. non-shock
1.03 MPa (150 psi) S.P. saturated

Materials

Parts	Material
Body	Bronze
Bonnet	Brass/bronze*
Stem	K-Metal [☆]
Disc	Bronze
Lock nut	Brass
Packing nut	Brass
Gland	Brass rod
Gland packing	Aramid fiber PTFE
Handwheel	Die-cast zinc (1/4"-3/4") Die-cast aluminum (1"-3")

[☆] K-Metal is a special brass developed for anti-dezincification.
* Bronze for 3" only

Dimensions

Valve size	inch	mm	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
			8	10	15	20	25	32	40	50	65	80
L	End to end		44	44	53	65	77	85	100	119	139	158
H	Height, valve open		66	68	79	93	104	127	145	174	199	215
D	Handwheel diam.		50	50	60	70	80	90	100	115	135	155

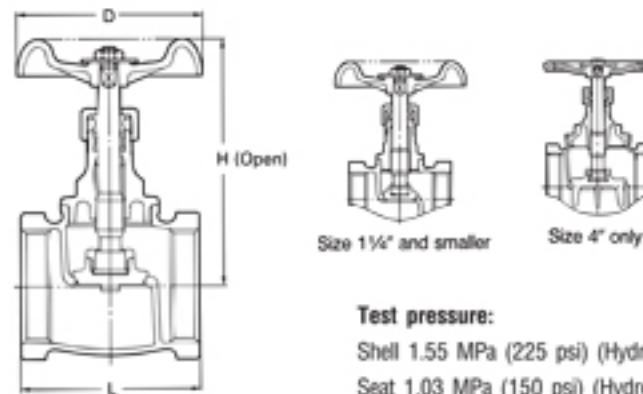
Test pressure: Shell 3.10 MPa (450 psi) (Hydrostatic)
Seat 2.07 MPa (300 psi) (Hydrostatic)
Seat 0.55 MPa (80 psi) (Air)

Fig. A



Class 100

Screwed bonnet, Rising stem, Swivel disc, Integral seat, Threaded ends to BS21 or NPT.



Test pressure:
Shell 1.55 MPa (225 psi) (Hydrostatic)
Seat 1.03 MPa (150 psi) (Hydrostatic)
Seat 0.55 MPa (80 psi) (Air)

1.03 MPa (150 psi) W.O.G. non-shock
0.7 MPa (100 psi) S.P. saturated

Materials

Parts	Material
Body	Bronze
Bonnet	Brass/bronze*
Stem	K-Metal [☆]
Disc	Bronze
Lock nut	Brass rod
Packing nut	Brass
Gland	Brass rod
Gland packing	Aramid fiber PTFE
Handwheel	Die-cast zinc (1/4"-1") Die-cast aluminum (1 1/4"-3") Cast iron (4")

[☆] K-Metal is a special brass developed for anti-dezincification.
* Bronze for 4"

Dimensions

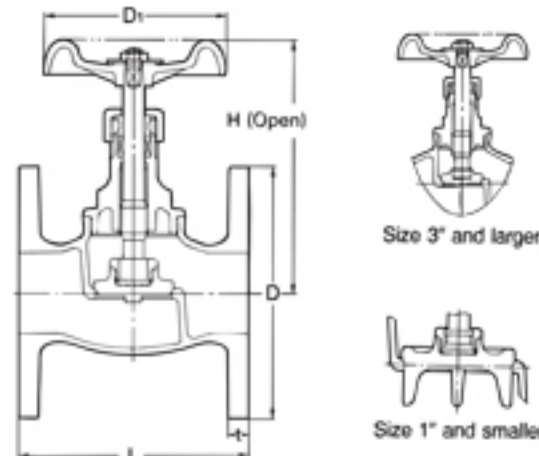
Valve size	inch	mm	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
			8	10	15	20	25	32	40	50	65	80	100
L	End to end		40	42	48	53	63	73	81	94	115	131	171
H	Height, valve open		66	67	69	80	94	104	127	147	179	200	250
D	Handwheel diam.		50	50	55	60	70	80	90	100	115	135	180

Fig. B



Class 150

Screwed Bonnet, rising stem, Swivel disc, Integral seat, Flanged ends drilled or undrilled optionally



1.55 MPa (225 psi) W.O.G. non-shock
1.03 MPa (150 psi) S.P. saturated

Materials

Parts	Material
Body	Bronze
Bonnet*	Brass / bronze
Stem	K-Metal [☆]
Disc	Bronze
Lock nut	Brass
Packing nut	Brass
Gland	Brass rod
Gland packing	Aramid fiber PTFE
Handwheel	Die-cast zinc (1/2"-3/4") Die-cast aluminum (1"-3") Ductile iron (4")

[☆] K-Metal is a special brass developed for anti-dezincification.
* Bronze for 3" and larger.

Dimensions

Valve size	inch	mm	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
			15	20	25	32	40	50	65	80	100
L	Face to face		83	88	100	113	120	145	165	177	220
H	Height, valve open		79	94	105	127	145	174	198	215	250
D1	Handwheel diam.		60	70	80	90	100	115	135	155	180
D	Flange diam.		95	100	125	135	140	155	175	185	210
t	Flange thickness		8.5	9.5	9.5	9.5	11.5	12.5	13.0	14.0	17.0

Test pressure:

Shell 3.10 MPa (450 psi) (Hydrostatic)
Seat 2.07 MPa (300 psi) (Hydrostatic)
Seat 0.55 MPa (80 psi) (Air)