

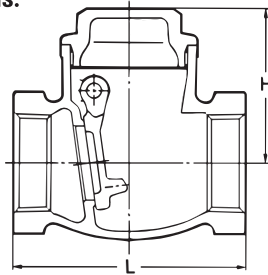
Fig. R



Class 125

R... Threaded ends to BS21

Screwed cap, Swing type disc, Integral seat, Threaded ends to BS21 or NPT, or solder joint ends.*



Dimensions

Valve size	inch	mm	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
			10	15	20	25	32	40	50	65	80	100
L	Threaded end to end		53	60	70	80	92	102	122	150	165	195
L ₁	Solder end to end		56	67	89	104	120	134	164	193	213	-
H	Height		39	39	45	52	62	67	79	91	102	119
G			9.7	12.7	19.1	23.1	24.6	27.7	34	37.4	42.2	-

1.38 MPa (200 psi) W.O.G. non-shock
0.86 MPa (125 psi) S.P. saturated

Materials

Parts	Material
Body	Bronze
Cap	Brass/bronze*
Disc	Brass/bronze*
Hinge pin	Brass

* Bronze for 4" only

Test pressure: Shell 2.07 MPa (300 psi) (Hydrostatic)
Seat 1.38-0.48 MPa (200-70 psi) (Hydrostatic)
Seat 0.55 MPa (80 psi) (Air)

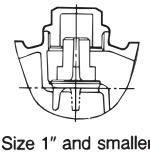
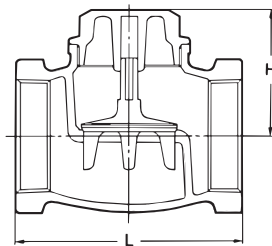
Fig. F



Class 150

F... Threaded ends to BS21

Screwed cap, Lift type disc, Integral seat, Threaded ends to BS21 or NPT.



Size 1" and smaller

Dimensions

Valve size	inch	mm	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
			10	15	20	25	32	40	50	65	80
L	End to end		44	53	65	77	85	100	119	139	158
H	Height		26	28	34	42	50	56	67	79	91

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

Materials

Parts	Material
Body	Bronze
Cap	Brass/bronze*
Disc	Bronze

* Bronze for 2 1/2" and larger.

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

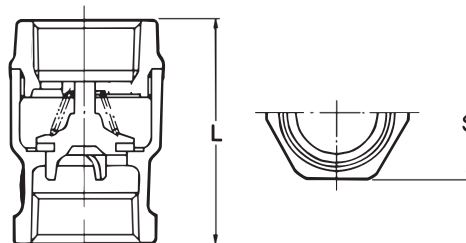
Fig. RF



Class 150

RF... Threaded ends to BS21

Bronze body, Spring loaded lift type disc, Threaded ends to BS21 or NPT, or solder joint ends.*



*** Caution**

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

Dimensions

Valve size	inch	mm	1/2	3/4	1	1 1/4	1 1/2	2
			15	20	25	32	40	50
L	End to end		53	59	67	78	84	98
L ₁	Solder end to end		61	76	89	97	110	132
G			12.7	19.1	23.1	24.6	27.7	34
S			28(26)	34(32)	41(39)	50(48)	57(54)	70(67)

1.72 MPa (250 psi) W.O.G. non-shock

Materials

Parts	Material
Body	Bronze
Cap	Bronze
Disc	NBR / FPM*
Disc holder	Bronze
Spring	Phosphor bronze

* FPM for solder joint end valve

Test pressure: Shell 2.59 MPa (375 psi) (Hydrostatic)
Seat 1.72 MPa (250 psi) (Hydrostatic)
Seat 0.55 MPa (80 psi) (Air)