

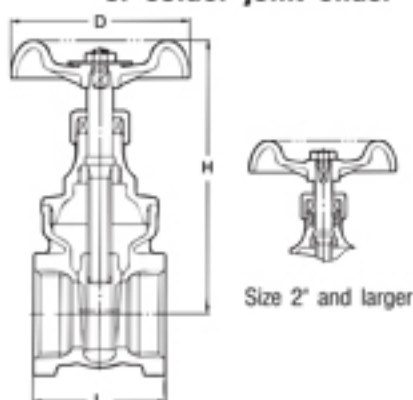
**Fig. FH**



**Class 125**

FH... Threaded ends to BS21

**Screwed bonnet, Non-rising stem, Solid wedge disc, Integral seats, Threaded ends to BS21 or NPT, or solder joint ends.\***



Size 2" and larger

**★ 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.

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

**Materials**

Parts	Material
Body	Brass
Bonnet	Brass
Stem	K-Metal <sup>☆</sup>
Disc	Brass
Packing nut	Brass
Gland*	Brass rod
Gland packing	Aramid fiber PTFE
Lock nut	Brass rod
Handwheel	Die-cast zinc (1/4"~1 1/4") Die-cast aluminum (1 1/2"~3")

<sup>☆</sup> K-Metal is a special brass developed for anti-dezincification.  
\* Size 2" and larger.

**Test pressure:**

Shell 2.07 MPa (300 psi) (Hydrostatic)  
Seat 1.38 MPa (200 psi) (Hydrostatic)  
Seat 0.55 MPa (80 psi) (Air)

**Dimensions**

Valve size		inch	mm									
		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	Threaded end to end		35	38	42	47	50	60	63	72	82	92
L <sub>1</sub>	Solder end to end		-	37	45	60	70	77	86	104	115	127
H	Height (FH/AKFH)		70	73	73	87	97	118	126	154	187	205
D	Handwheel diam.		50	50	50	55	60	70	80	90	100	115
G			-	9.7	12.7	19.1	23.1	24.6	27.7	34.0	37.4	42.2

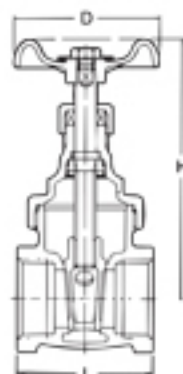
**Fig. H**



**Class 125**

H... Threaded ends to BS21

**Inside screw, Non-rising stem, Screwed-over-Bonnet,\* Solid wedge disc, Threaded ends to BS21 or NPT, or solder joint ends.\***



\* Screwed bonnet for 2 1/2" & larger sizes

**★ 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.

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

**Materials**

Parts	Material
Body	Bronze
Bonnet	Bronze
Stem	K-Metal <sup>☆</sup>
Disc	Bronze / K-Metal <sup>☆*</sup>
Lock nut	Brass rod
Packing nut	Brass
Gland**	Brass rod
Gland packing	Aramid fiber PTFE
Handwheel	Die-cast zinc (3/8"~1 1/4") Die-cast aluminum (1 1/2"~4")

<sup>☆</sup> K-Metal is a special brass developed for anti-dezincification.  
\* 3/8" and 1/2" for H.  
\*\* Size 1 1/2" and larger.

**Test pressure:**

Shell 2.07 MPa (300 psi) (Hydrostatic)  
Seat 1.38 MPa (200 psi) (Hydrostatic)  
Seat 0.55 MPa (80 psi) (Air)

**Dimensions**

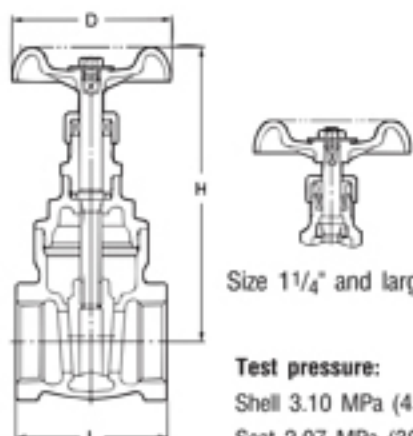
Valve size		inch	mm									
		mm	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
			10	15	20	25	32	40	50	65	80	100
L	Threaded end to end		42	45	50	57	61	67	74	90	100	121
L <sub>1</sub>	Solder end to end		39	46	61	72	78	87	102	115	130	173
H	Height		74	80	90	105	118	135	159	202	223	280
D	Handwheel diam.		50	50	55	60	70	80	90	115	135	155
G			9.7	12.7	19.1	23.1	24.6	27.7	34	37.4	42.2	54.9

**Fig. E**



**Class 150**

**Inside screw, Non-rising stem, Screwed Bonnet, Solid wedge disc, Threaded ends to BS21.**



Size 1 1/4" and larger

**Test pressure:**

Shell 3.10 MPa (450 psi) (Hydrostatic)  
Seat 2.07 MPa (300 psi) (Hydrostatic)

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 <sup>☆</sup>
Disc	Bronze
Packing nut	Brass
Gland**	Brass rod
Gland packing	Aramid fiber PTFE
Stuffing box	Brass rod / brass
Handwheel	Die-cast zinc (3/8"~1") Die-cast aluminum (1 1/4"~3")

<sup>☆</sup> K-Metal is a special brass developed for anti-dezincification.  
\* Bronze for 2 1/2" and larger.  
\*\* Size 1 1/4" and larger.

**Dimensions**

Valve size		inch	mm									
		mm	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	80
			10	15	20	25	32	40	50	65	80	80
L	End to end		43	48	53	62	69	75	86	105	116	116
H	Height		86	96	111	122	141	164	197	225	261	261
D	Handwheel diam.		50	55	60	70	80	90	100	115	135	135

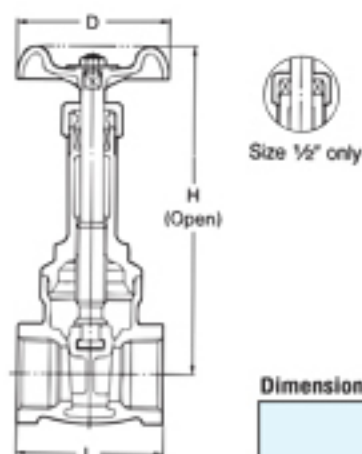
**Screwed bonnet, rising stem, Solid wedge disc, Integral seat,**

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

**Fig. 125M**



**Class 125**



Size 1/2" only

**Test pressure:**

Shell 2.07 MPa (300 psi) (Hydrostatic)  
Seat 1.38 MPa (200 psi) (Hydrostatic)  
Seat 0.55 MPa (80 psi) (Air)

**Dimensions**

Valve size		inch	mm									
		mm	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	80	80
			15	20	25	32	40	50	65	80	80	80
L	Threaded end to end		51	56	66	68	74	84	115	130	130	130
L <sub>1</sub>	Solder end to end		49	64	76	82	86	109	-	-	-	-
H	Height, valve open		129	155	180	216	257	296	371	432	432	432
D	Handwheel diam.		55	60	70	80	90	100	135	155	155	155
G			12.7	19.1	23.1	24.6	27.7	34	-	-	-	-

**Materials**

Parts	Material
Body	Bronze
Bonnet	Bronze
Stem	Bronze
Disc	Bronze
Packing nut	Brass
Gland	Brass rod
Gland packing	Aramid fiber PTFE
Handwheel	Die-cast zinc (1/2"~1") Die-cast aluminum (1 1/4"~3")