

GALA | *Regulating
Systems*

BRONZE AND BRASS VALVES



Catalogue2014

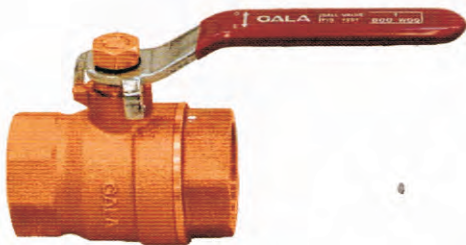
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TYPE 600

Bronze Ball Valve (Threaded)

Fig. 1251

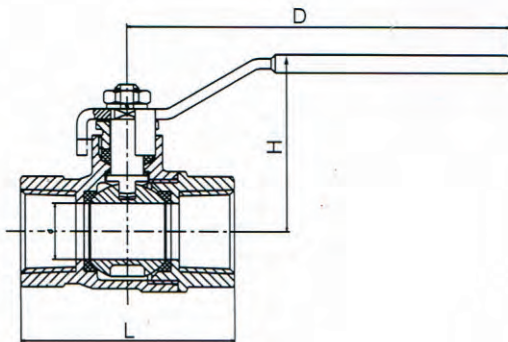


Specification

MSS SP-110
Screwed Body Cap • Full Bore
Blow-out Proof Stem • PTFE Seat
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 8mm(1/4")~100mm(4")

Pressure Ratings

Working Pressure	600 psi (41.3 bar) WOG Non-Shock 150 psi (10.3 bar) Saturated Steam
Testing Pressure	Shell: 900 psi (62 bar) Hydrostatic Seat: 660 psi (45.5 bar) Hydrostatic 80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas



Material List

Part Name	Material	ASTM	BS EN
Body	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Cap	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Ball	Brass+Chrome Plated	B124 C37700	12165 CW617N
Seat	PTFE		
Stem	Brass	B453 C35330	12165 CW602N
O-Ring	NBR		
Gland	Brass	B124 C37700	12165 CW617N
Handle	Steel (Chrome Plated)		

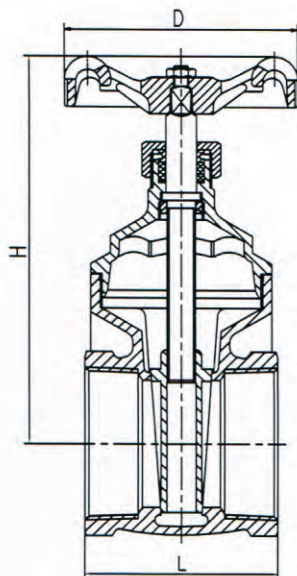
Dimension

Size	mm	8	10	15	20	25	32	40	50	65	80	100
	Inch	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L		46	46	53	61	71	85	92	114	134	152	182
H		39	39	44	51	55	65	70	83	118	132	150
D		81	81	95	110	110	140	140	160	220	270	280

CLASS 150

Bronze NRS Gate Valve (Threaded)

Fig. 3152



Specification

MSS SP-80
Screwed-In bonnet • Solid Wedge Disc
Non-Rising Stem • Integral Seat • Asbestos Free
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 15mm(1/2")~100mm(4")

Pressure Ratings

Working Pressure	300 psi (20.7 bar) WOG Non-Shock
	150 psi (10.3 bar) Saturated Steam
Testing Pressure	Shell: 450 psi (31 bar) Hydrostatic
	Seat: 330 psi (22.7bar) Hydrostatic
	80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas

Material List

Part Name	Material	ASTM	BS EN
Body	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Bonnet	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Disc	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Stem	Brass Rod	B124 C37700	12165 CW617N
Packing	PTFE		
Packing Nut	Brass Rod	B124 C37700	12165 CW617N
Gland	Brass Rod	B124 C37700	12165 CW617N
Handwheel	Aluminium		
Gasket	Non Asbestos		

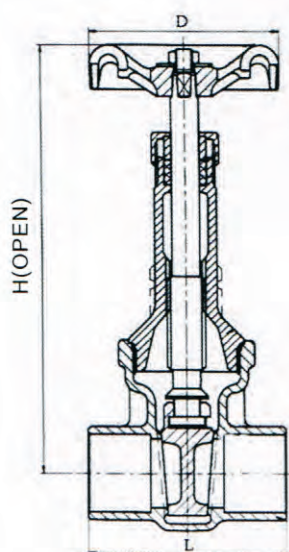
Dimension

Size	mm	15	20	25	32	40	50	65	80	100
	Inch	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L		43	49	54	62	65	75	87	105	124
H		78	92	103	116	133	156	190	215	258
D		52	60	60	70	78	92	100	110	130

CLASS 150

Bronze RS Gate Valve (Threaded)

Fig. 3153



Specification

MSS SP-80
Screwed-In Bonnet • Solid Wedge Disc
Rising Stem • Integral Seat • Asbestos Free
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 15mm(1/2")~50mm(2")

Pressure Ratings

Working Pressure	300 psi (20.7 bar) WOG Non-Shock
	150 psi (10.3 bar) Saturated Steam
Testing Pressure	Shell: 450 psi (31 bar) Hydrostatic
	Seat: 330 psi (22.7 bar) Hydrostatic
	80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas

Material List

Part Name	Material	ASTM	BS EN
Body	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Bonnet	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Disc	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Stem	Brass Rod	B124 C37700	12165 CW617N
Packing	PTFE		
Packing Nut	Brass Rod	B124 C37700	12165 CW617N
Gland	Brass Rod	B124 C37700	12165 CW617N
Handwheel	Cast Iron		
Gasket	Non Asbestos		

Dimension

Size	mm	15	20	25	32	40	50
	Inch	1/2	3/4	1	1-1/4	1-1/2	2
L		51	55	63	72.5	73	83
H		129	159	189	219	246	301
D		52	65	70	78	92	92

CLASS 150

Bronze Swing Check Valve (Threaded)

Fig. 5451



Specification

MSS SP-80

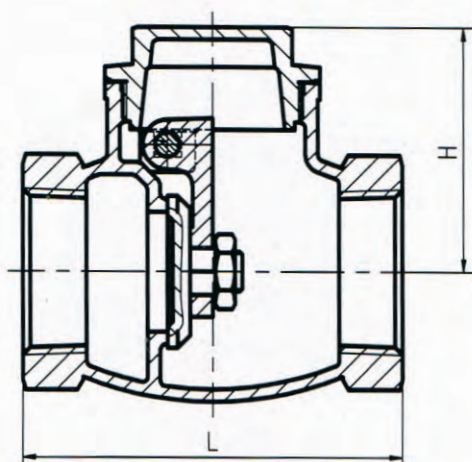
Screwed Cap • Swing Type Disc • Integral Seat

Threaded to BS 21 (ISO7) / ASME B1.20.1

Size Range: 15mm(1/2")~100mm(4")

Pressure Ratings

Working Pressure	300 psi (20.7 bar) WOG Non-Shock
	150 psi (10.3 bar) Saturated Steam
Testing Pressure	Shell: 450 psi (31 bar) Hydrostatic
	Seat: 330 psi (22.7bar) Hydrostatic
	80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas



Material List

Part Name	Material	ASTM	BS EN
Body	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Cap	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Disc	Brass	B124 C37700	12165 CW617N
Hinge Pin	Brass Rod	B124 C37700	12165 CW617N
Gasket	Non-Asbestos		

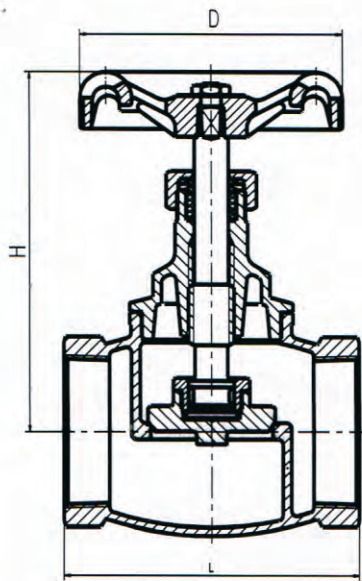
Dimension

Size	mm	15	20	25	32	40	50	65	80	100
	Inch	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L		58	66	76	88	96	112	136	147	180
H		37	43	49	57.5	63	72	85	93	110

CLASS 150

Bronze Globe Valve (Threaded)

Fig. 6352



Specification

MSS SP-80
Screwed-In Bonnet • Swivel Disc
Rising Stem • Asbestos Free
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 15mm(1/2")~50mm(2")

Pressure Ratings

Working Pressure	300 psi (20.7 bar) WOG Non-Shock 150 psi (10.3 bar) Saturated Steam
Testing Pressure	Shell: 450 psi (31 bar) Hydrostatic Seat: 330 psi (22.7bar) Hydrostatic 80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas

Material List

Part Name	Material	ASTM	BS EN
Body	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Bonnet	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Disc	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Stem	Brass Rod	B453 C35330	12165 CW602N
Packing	PTFE		
Packing Nut	Brass Rod	B124 C37700	12165 CW617N
Gland	Brass Rod	B124 C37700	12165 CW617N
Handwheel	Aluminium		

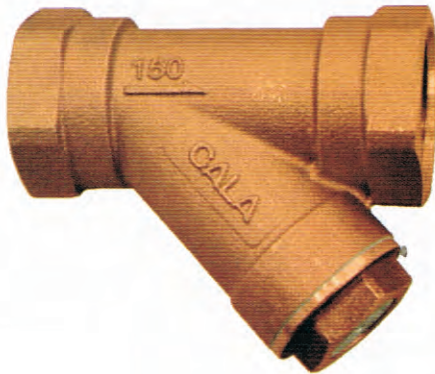
Dimension

Size	mm	15	20	25	32	40	50
	Inch	1/2	3/4	1	1-1/4	1-1/2	2
L		52	63	76	84	98	116
H		70	82	92	108	120	140
D		60	65	70	78	92	103

CLASS 150

Bronze Y - Strainer (Threaded)

Fig. 7654

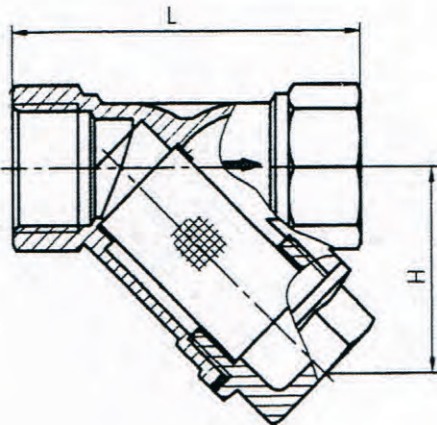


Specification

Y-Pattern Body • Screwed Cap
Stainless Steel 304 Screen • Asbestos Free
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 15mm(1/2")~80mm(3")

Pressure Ratings

Working Pressure	300 psi (20.7 bar) WOG Non-Shock 150 psi (10.3 bar) Saturated Steam
Testing Pressure	450 psi (31 bar) Hydrostatic 80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas



Material List

Part Name	Material	ASTM	BS EN
Body	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Cap	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Screen	Stainless Steel 304	A240 304	1449 304S31
Gasket	Non-Asbestos Steel		

Standard Screens

Size		Hole Diameter		Free Flow Area
mm	inch	mm	inch	inch ²
15~80	1/2~3	1.4 X 1.2	0.06 X 0.05	225

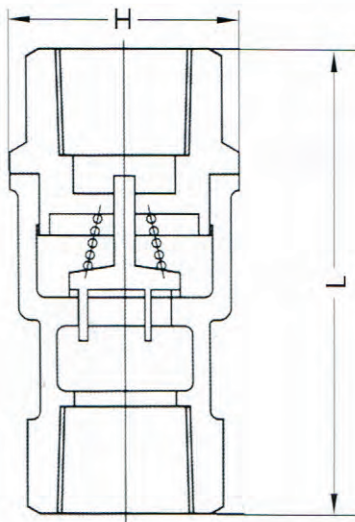
Dimension

Size	mm	15	20	25	32	40	50	65	80
	Inch	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3
L		58	70	88	96	107	126	230	260
H		33	41	49	56	62	80	110	142

CLASS 150

Bronze Vertical Lift Check Valve (Threaded)

Fig.5407



Specification

MSS SP-80
Vertical Lift In-Line Type
Metal Disc NBR Seat
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 15mm(1/2")~50mm(2")

Pressure Ratings

Working Pressure	300 psi (20.7 bar) WOG Non-Shock 150 psi (10.3 bar) Saturated Steam
Testing Pressure	Shell: 450 psi (31 bar) Hydrostatic Seat: 330 psi (22.7bar) Hydrostatic 80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas

Material List

Part Name	Material	ASTM	BS EN
Body	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Cap	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Disc	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Spring	Stainless Steel 304	A313 304	3111 304S31
Seat	NBR		

Dimension

Size	mm	15	20	25	32	40	50
	Inch	1/2	3/4	1	1-1/4	1-1/2	2
L		46	52	56	68.5	70	81
H		33.5	41	45.5	56	63.5	81

CLASS 150

Bronze Foot Valve (Threaded)

Fig.5505

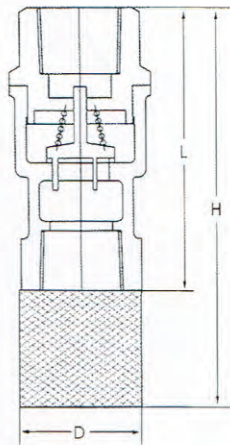


Specification

MSS SP-80
Vertical Lift In-Line Type
Metal Disc NBR Seat
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 15mm(1/2")~50mm(2")

Pressure Ratings

Working Pressure	300 psi (20.7 bar) WOG Non-Shock
Testing Pressure	Shell: 450 psi (31 bar) Hydrostatic Seat: 330 psi (22.7bar) Hydrostatic 80 psi (5.5 bar) Air
Suitable Media	Water



Material List

Part Name	Material	ASTM	BS EN
Body	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Cap	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Disc	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Spring	Stainless Steel 304	A313 304	3111 304S31
Strainer	Stainless Steel 304	A240 304	1449 304S31
Seat	NBR		

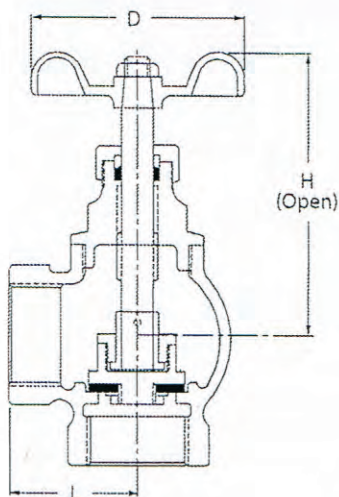
Dimension

Size	mm	15	20	25	32	40	50
	Inch	1/2	3/4	1	1-1/4	1-1/2	2
L		53	60	69	79	80	99
H		70	80	93	98	112	137
D		23	30	35	42	52	63

CLASS 150

Bronze Angle Valve (Threaded)

Fig.6400



Specification

MSS SP-80
Screwed-In Bonnet • Angle Type Body • Rising Stem
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 15mm(1/2")~50mm(2")

Pressure Ratings

Working Pressure	300 psi (20.7 bar) WOG Non-Shock
	150 psi (10.3 bar) Saturated Steam
Testing Pressure	Shell: 450 psi (31 bar) Hydrostatic
	Seat: 330 psi (22.7bar) Hydrostatic
	80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas

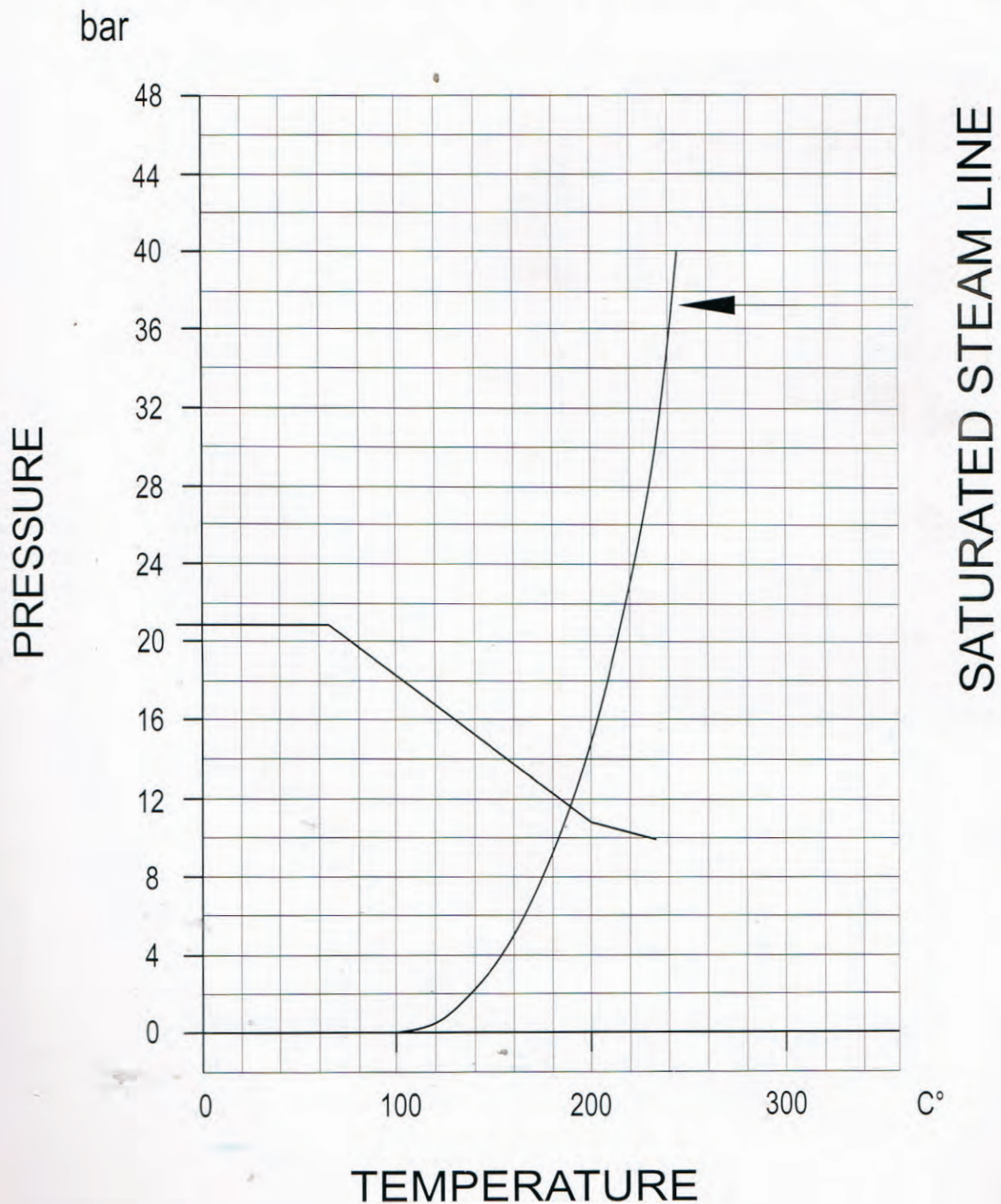
Material List

Part Name	Material	ASTM	BS EN
Body	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Bonnet	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Disc	Bronze (Gunmetal)	B62 C83600	1982 CC491K
Stem	Brass Rod	B16 C36000	2874 CZ121
Packing	PTFE		
Packing Nut	Brass Rod	B16 C36000	2874 CZ121
Gland	Brass Rod	B16 C36000	2874 CZ121
Handwheel	Cast Iron		
Gasket	Non Asbestos		

Dimension

Size	mm	15	20	25	32	40	50
	Inch	1/2	3/4	1	1-1/4	1-1/2	2
L		28	33	35	44	48	61
H		86	97	110	135	143	157
D		53	57	65	65	78	97

PRESSURE/TEMPERATURE GRAPH



TYPE 600

Brass Ball Valve (Threaded)

Fig. 1207

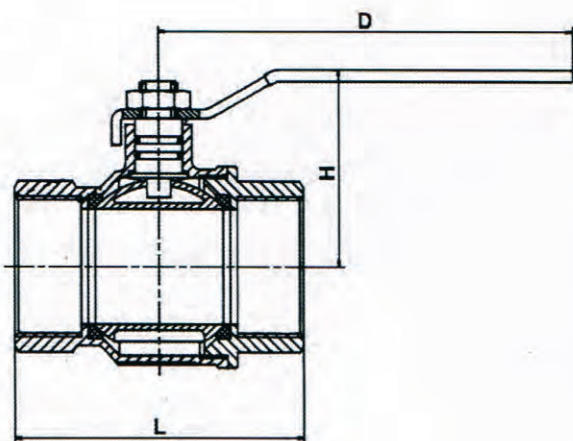


Specification

Screwed Body Cap • Full Bore
Blow-out Proof Stem • PTFE Seat
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 8mm(1/4")~100mm(4")

Pressure Ratings

Working Pressure	600 psi (41.3 bar) WOG Non-Shock
	150 psi (10.3 bar) Saturated Steam
Testing Pressure	Shell: 900 psi (62 bar) Hydrostatic
	Seat: 660 psi (45.5 bar) Hydrostatic
	80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas



Material List

Part Name	Material	ASTM	BS EN
Body	Brass	B124 C37700	12165 CW617N
Cap	Brass	B124 C37700	12165 CW617N
Ball	Brass	B124 C37700	12165 CW617N
Seat	PTFE		
Stem	Brass Rod	B124 C37700	12165 CW617N
O-Ring	NBR		
Handle	Steel	A709 36	

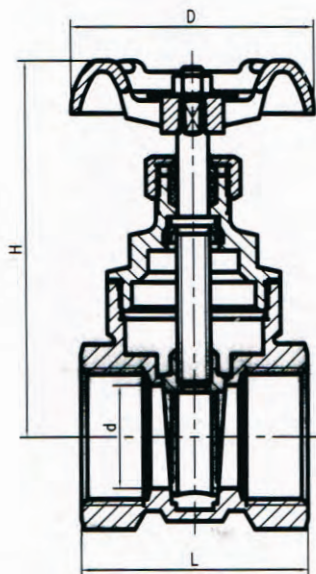
Dimension

Size	mm	8	10	15	20	25	32	40	50	65	80	100
	Inch	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L		46	46	48.5	55	64.5	75	85	99	120	136	156
H		46	46	48	52.5	58	71	76	90	100	110	127
D		72	72	97	97	104	123	123	150	225	225	225

CLASS 125

Brass Gate Valve (Threaded)

Fig. 3101



Specification

Screwed-In bonnet • Solid Wedge Disc
Non-Rising Stem • Integral Seat • Asbestos Free
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 10mm(3/8")~100mm(4")

Pressure Ratings

Working Pressure	232 psi (16 bar) WOG Non-Shock
	100 psi (7 bar) Saturated Steam
Testing Pressure	Shell: 348 psi (24bar) Hydrostatic
	Seat: 255 psi (17.6 bar) Hydrostatic
	80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas.

Material List

Part Name	Material	ASTM	BS EN
Body	Brass	B124 C37700	12165 CW617N
Bonnet	Brass	B124 C37700	12165 CW617N
Disc	Brass	B124 C37700	12165 CW617N
Stem	Brass Rod	B124 C37700	12165 CW617N
Packing	PTFE		
Packing Nut	Brass Rod	B124 C37700	12165 CW617N
Gland	Brass Rod	B124 C37700	12165 CW617N
Handwheel	Cast Iron		
Gasket	Non-Asbestos		

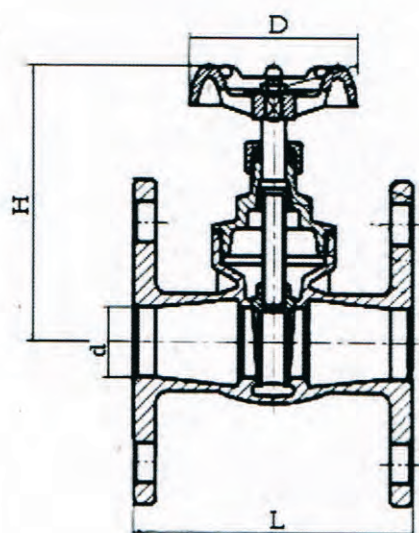
Dimension

Size	mm	10	15	20	25	32	40	50	65	80	100
	Inch	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L		42	45	49	55	62	64	78	88	98	107
H		69	75	83	94	111	124	144	186	209	255
D		11.5	13	14	16	18	18	20	23	27	29.5
d		12	14	19.5	25	32	38	48	63	76	96

CLASS 125

Brass Gate Valve (Flanged)

Fig. 3104



Specification

Screwed-In bonnet • Solid Wedge Disc
Non-Rising Stem • Integral Seat • Asbestos Free
Threaded to BS 21 (ISO7) / ASME B1.20.1
End Connection Flanged BS4504
Size Range: 25mm(1")~100mm(4")

Pressure Ratings

Working Pressure	232 psi (16 bar) WOG Non-Shock 100 psi (7 bar) Saturated Steam
Testing Pressure	Shell: 348 psi (24bar) Hydrostatic Seat: 255 psi (17.6 bar) Hydrostatic 80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas.

Material List

Part Name	Material	ASTM	BS EN
Body	Brass	B124 C37700	12165 CW617N
Bonnet	Brass	B124 C37700	12165 CW617N
Disc	Brass	B124 C37700	12165 CW617N
Stem	Brass	B124 C37700	12165 CW617N
Packing Nut	Brass	B124 C37700	12165 CW617N
Packing	PTFE		
Stem Bush	Brass	B124 C37700	12165 CW617N
Handwheel	Cast Iron		

Dimension

Size	mm	25	32	40	50	65	80	100
	Inch	1	1-1/4	1-1/2	2	2-1/2	3	4
d		25	32	38	45	56	68	90
L		88	94	106	117	132	150	174
H		95	110	124	138	170	198	242
D		60	72	80	110	130	178	200

PN 16 / CLASS 125

Brass Auto Air Vent (Threaded)

Fig. 9801

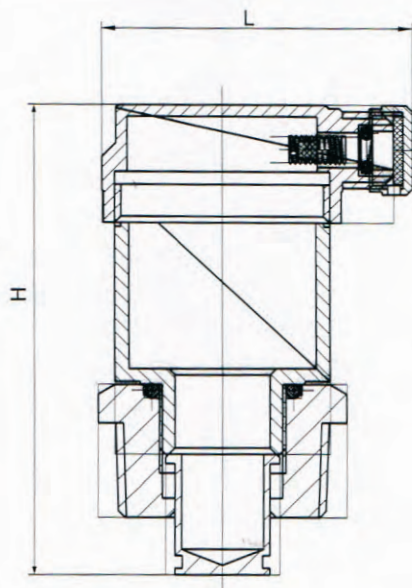


Specification

Screwed-In Bonnet
Asbestos Free
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 15mm(1/2")~25mm(1")

Pressure Ratings

Working Pressure	232(16bar)
Testing Pressure	Shell: 350psi (24bar) Hydrostatic Seat: 255 psi (17.6bar) Hydrostatic 80 psi (5.5 bar) Air
Suitable Media	Air



Material List

Part Name	Material	ASTM	BS EN
Body	Brass	B124 C37700	12165 CW617N
Disc	Brass	B124 C37700	12165 CW617N
Stem	Brass	B124 C37700	12165 CW617N
Cap	Brass	B124 C37700	12165 CW617N
Gasket	NBR		
Air Cap	Brass	B124 C37700	12165 CW617N
Connector	Brass	B124 C37700	12165 CW617N
Core	Brass	B124 C37700	12165 CW617N
Floater	Polytene		
Floater Bar	Brass	B124 C37700	12165 CW617N
O Ring	NBR		
Spring	Stainless Steel		

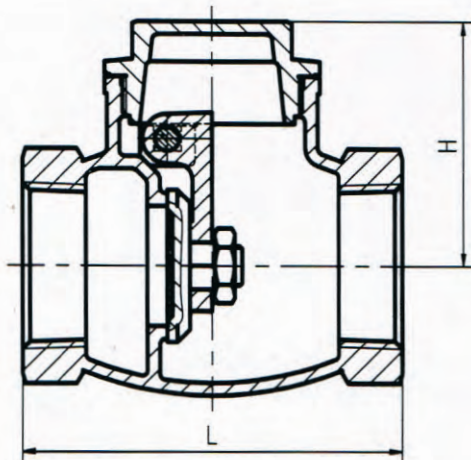
Dimension

Size	mm	15	20	25
	Inch	1/2	3/4	1
L		48.5	48.5	48.5
H		68.5	68.5	68.5

CLASS 125

Brass Swing Check Valve (Threaded)

Fig. 5401



Specification

Screwed Cap • Swing Type Disc • Integral Seat
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 15mm(1/2")~100mm(4")

Pressure Ratings

Working Pressure	232 psi (16 bar) WOG Non-Shock
	100 psi (7 bar) Saturated Steam
Testing Pressure	Shell: 348 psi (24bar) Hydrostatic
	Seat: 255 psi (17.6 bar) Hydrostatic
	80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas

Material List

Part Name	Material	ASTM	BS EN
Body	Brass	B124 C37700	12165 CW617N
Cap	Brass	B124 C37700	12165 CW617N
Disc	Brass	B124 C37700	12165 CW617N
Hinge Pin	Brass Rod	B124 C37700	12165 CW617N
Gasket	Non-Asbestos		

Dimension

Size	mm	15	20	25	32	40	50	65	80	100
	Inch	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
L		50	60	74	84	94	114	146	165	192
H		35	40	14	53	60	70	89	105	125

CLASS 125

Brass Vertical Lift Check Valve

Fig.5410

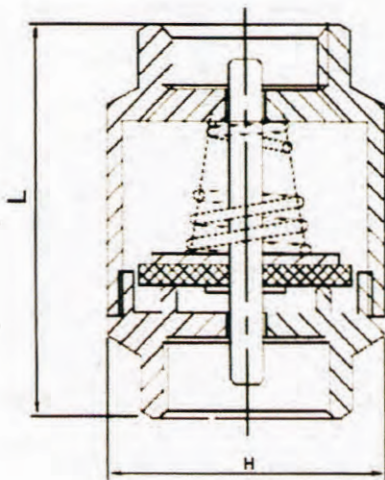


Specification

Vertical Lift In-Line Type
Metal Disc NBR Seat
Threaded to BS 21 (ISO7) / ASME B1.20.1
Size Range: 15mm(1/2")~50mm(2")

Pressure Ratings

Working Pressure	232 psi (16 bar) WOG Non-Shock
	100 psi (7 bar) Saturated Steam
Testing Pressure	Shell: 348 psi (24bar) Hydrostatic
	Seat: 255 psi (17.6 bar) Hydrostatic
	80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas.



Material List

Part Name	Material	ASTM	BS EN
Body	Brass	B124 C37700	12165 CW617N
Bonnet	Brass	B124 C37700	12165 CW617N
Disc	Brass	B124 C37700	12165 CW617N
Stem	Brass	B124 C37700	12165 CW617N
Rubber	Nitrile Rubber		
Spring	SS 304	A313 304	3111 304S31

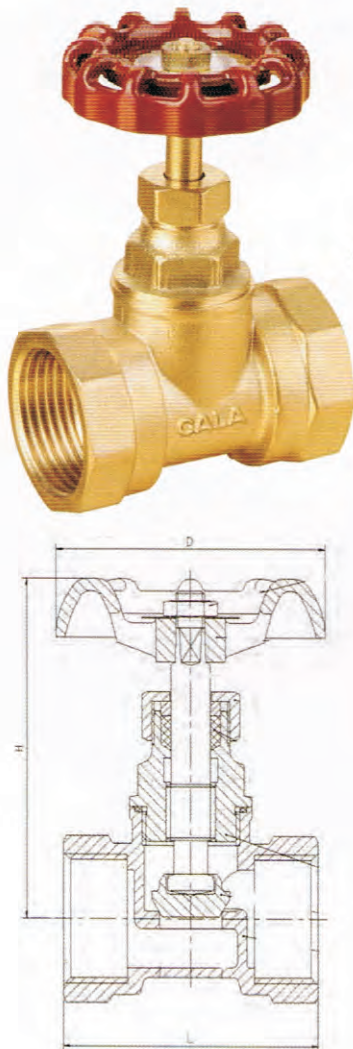
Dimension

Size	mm	15	20	25	32	40	50
	Inch	1/2	3/4	1	1-1/4	1-1/2	2
L		48	52	56	68.5	70	81
H		33	41	45.5	56	63.5	81

CLASS 125

Brass Globe Valve (Threaded)

Fig.6302



Specification

Threaded to BS 21 (ISO7) / ASME B1.20.1
Screwed – In Bonnet Swivel Disc Rising Stem
Asbestos Free
Size Range: 15mm(1/2")~50mm(2")

Pressure Ratings

Working Pressure	232 psi (16 bar) WOG Non-Shock 100 psi (7 bar) Saturated Stem
Testing Pressure	Shell: 348 psi (24bar) Hydrostatic Seat: 255 psi (17.6 bar) Hydrostatic 80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas.

Material List

Part Name	Material	ASTM	BS
Body	Brass	B124 C37700	12165 CW617N
Bonnet	Brass	B124 C37700	12165 CW617N
Stem	Brass	B124 C37700	12165 CW617N
Packing Nut	Brass	B124 C37700	12165 CW617N
Packing	PTFE		
Disc	Brass	B124 C37700	12165 CW617N
Handwheel	Aluminum		

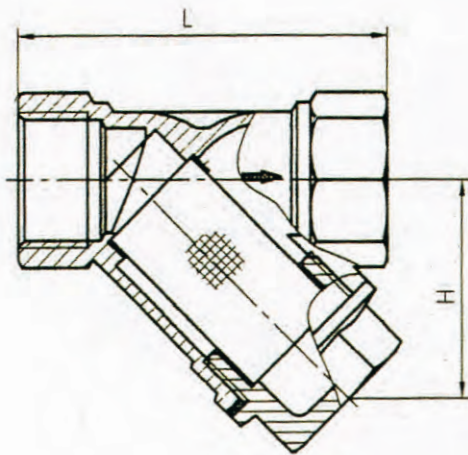
Dimension

Size	mm	15	20	25	32	40	50
	Inch	1/2	3/4	1	1-1/4	1-1/2	2
L		46	52	65	74	85	95
H		64	69	77	93	104	126
D		55	55	60	72	80	100

CLASS 125

Brass Y Strainer

Fig.7691



Specification

Metal Disc NBR Seat
Threaded to BS 21 (ISO7) / ASME B1.20.1
Y-Pattern Body Screwed Cap Stainless Steel 304 Screen
Asbestos Free
Size Range: 15mm(1/2")~80mm(3")

Pressure Ratings

Working Pressure	232psi (16 bar) WOG Non-Shock 100 psi (7 bar) Saturated Steam
Testing Pressure	348 psi (17.6 bar) Hydrostatic 80 psi (5.5 bar) Air
Suitable Media	Water, Oil, Gas.

Material List

Part Name	Material	ASTM	BS EN
Body	Brass	B124 C37700	12165 CW617N
Cap	Brass	B124 C37700	12165 CW617N
Gasket	Non-Asbestos Steel		
Screen	Stainless Steel 304	A240 304	1449 304S31

Standard Screens

Size		Hole Diameter		Free Flow Area inch ²
mm	inch	mm	inch	
15-80	1/2~3	1.4 X 1.2	0.06 X 0.05	225

Dimension

Size	mm	15	20	25	32	40	50	65	80
	Inch	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3
L		54	63	73	88.5	95	113	128	145
H		33	36	42	51	52	72	87	102