

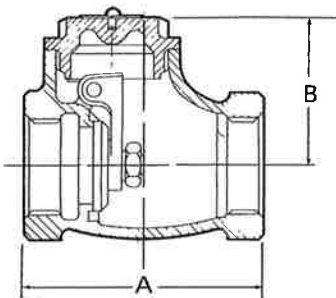
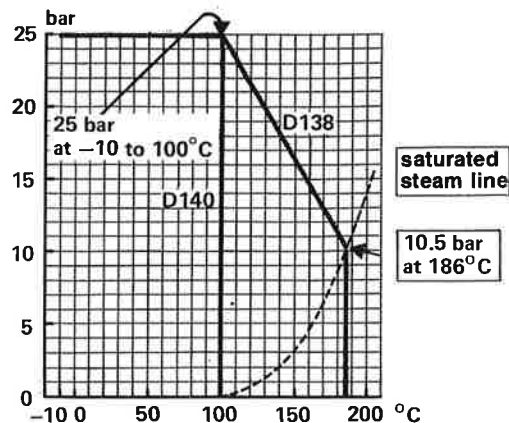
Bronze Check Valves

Threaded BS 21 or ANSI B1.20.1

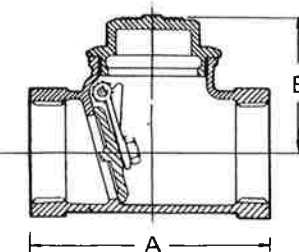
**SWING TYPE
METAL DISK SCREWED-IN CAP
BSI KITEMARK APPROVED**

PRESSURE/TEMPERATURE RATINGS

(For equivalent ratings in imperial units see graph on page 69)



Sizes 3/8 to 2



Sizes 2 1/2 & 3

TESTING

Each valve individually tested to BS 5154.

SPECIFICATION

D138

Sizes 3/8 to 3 - Threaded BS 21 (ISO 7) taper.

Valves are manufactured in accordance with BS 5154 PN 25 for Series B ratings.

Disk is flat accurately ground and connected to the hinge by a spud and nut, but is free to rotate. The hinge is mounted on a hinge pin which permits free rotation in internal lugs (sizes 3/8 to 2) or body bosses (sizes 2 1/2 and 3). There are no external plugs on sizes 3/8 to 2. Body seat is integral.

Valves detailed on this page are expressed in metric terms. They are suitable for use in Class 150 imperial systems specifying valves to BS 1953 at the following ratings:-

300 lbf/in² CWP; 150 lbf/in² at 366°F.

Valves having ANSI threads also generally conform to MSS SP-80. (See page 13).

MATERIALS

Part	Material	BS	ASTM
Body	No. 4 Bronze	BS 1400-LG2	B 62 Alloy 836
Cap	No. 4 Bronze	BS 1400-LG2	B 62 Alloy 836
Disk - 3/8 to 1	60/40 Brass	BS 2874 CZ 121	B 16 Alloy 360
- 1 1/4 to 3	No. 4 Bronze	BS 1400-LG2	B 62 Alloy 836
Hinge Pin	Aluminium Bronze	NES 834	-
Hinge	No. 4 Bronze	BS 1400-LG2	B 62 Alloy 836

DIMENSIONS AND WEIGHTS

Size in	Dimensions mm		in		Weight kg
	A	B	A	B	
3/8	48	34	1.88	1.38	0.20
1/2	57	38	2.25	1.50	0.32
3/4	66	43	2.63	1.69	0.43
1	77	49	3.00	1.94	0.61
1 1/4	89	56	3.50	2.25	1.01
1 1/2	93	65	3.63	2.56	1.34
2	108	76	4.25	3.00	2.12
2 1/2	153	98	6.00	3.88	4.16
3	188	110	7.38	4.38	5.82

SPECIFICATION ADDITIONS OR VARIATIONS

Ends threaded ANSI B1.20.1, specify Cat. No. D138AT.