

Bronze Check Valves

Threaded BS 21 or ANSI B1.20.1

SWING TYPE
REGRINDABLE METAL DISK AND SEAT
SCREWED-IN CAP

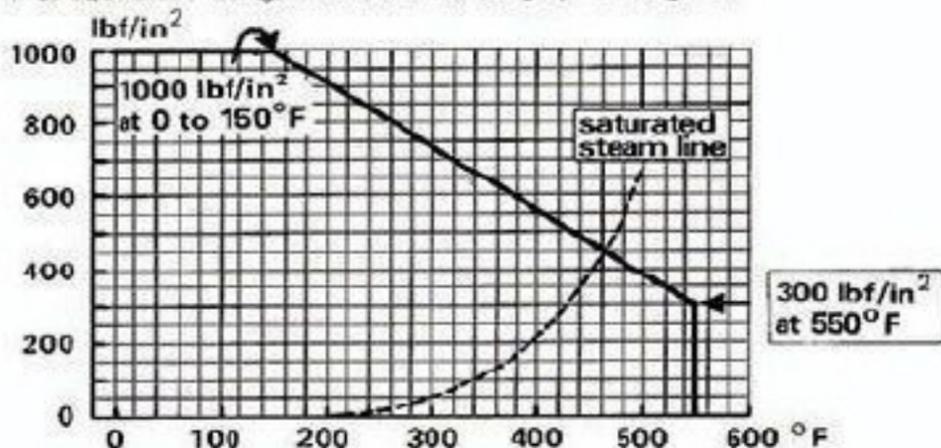
PN 64

D145



PRESSURE/TEMPERATURE RATINGS

(For equivalent ratings in metric units see graph on page B4)



TESTING

Each valve hydrostatically tested: Body – 103 bar; seat – 69 bar.

SPECIFICATION

D 145 – Sizes ½ to 2 – Threaded BS 21 (ISO 7) taper.

Valves having PN 64 ratings are not specified in BS 5154. D 145 valves meet the requirements of BS 5154 in respect to materials, design and method of manufacture as far as applicable.

Design is of the 'Y' pattern having flat, regrindable swing disk and integral regrindable body seat.

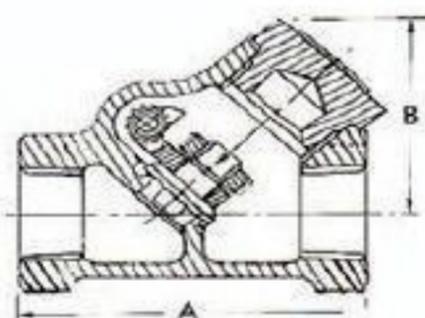
The disk is retained in the hinge by a locked nut, and is free to swivel. The hinge pin is retained by an external threaded plug.

Valves detailed on this page are expressed in metric terms. They are suitable for use in Class 300 imperial systems at the following ratings:—

1000 lbf/in² CWP; 300 lbf/in² at 550 °F.

Valves having ANSI threads 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 ½ to 2	No. 4 Bronze	BS 1400-LG2	B 62 Alloy 836
Disk ½ & ¾ 1 to 2	Manganese Bronze	BS 2874 CZ 114	B 138 Alloy 675
	No. 4 Bronze	BS 1400-LG2	B 62 Alloy 836
Hinge Pin	Silicon Alum. Bronze	—	—

SIZE in	DIMENSIONS				WEIGHT kg
	mm		in		
	A	B	A	B	
½	66	44	2.63	1.75	0.43
¾	78	54	3.06	2.13	0.71
1	98	65	3.88	2.56	1.18
1¼	115	76	4.50	3.00	1.67
1½	131	89	5.19	3.50	2.82
2	161	108	6.38	4.25	4.60

SPECIFICATION ADDITIONS OR VARIATIONS

Ends threaded ANSI B1.20.1, specify Cat.No. D145AT



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