

# BRONZE CHECK VALVES

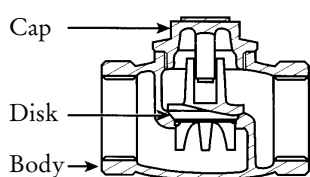
**D104**

PN20 BS 5154/B  
Class 125 BS 1953  
Screwed BS 21  
Straight pattern

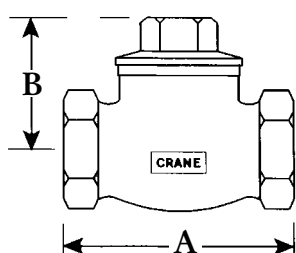


D104

Lift type  
Metal disk  
Screwed cap



Horizontal lift check valve - bronze disk



**CRANE**

**Applications** - suitable for non-shock, steam, water, oil, gas and air horizontal lines within the P/T parameters shown in the table. Valves allow uni-directional flow and close automatically if flow reverses. Totally automatic, they depend solely on line pressure and velocity to open and close. Correct sizing is important to avoid continuous movement, premature wear, noisy operation and vibration. The velocity pressure in the line must sustain the disk in a wide open and stable position. See D116 overleaf for sizing advice. Recommended for installation in conjunction with globe valves.

**Specification** - the metal disk is mushroom shaped with a spherical seating surface and is guided in the cap. The body seat is integral. Manufacture is to BS 5154 PN20 for series B ratings. May also be used in Class 125 Imperial systems to BS 1953 viz 250psi CWP; 125 psi at 353° Fahrenheit. Threaded BS 21 (ISO 7) taper.

## P/T ratings

Temperature °Celsius	-10° to +66°	100°	110°	120°	130°	140°	150°	160°	170°	180°
Pressure bar	20,0	20,0	18,6	17,2	15,8	14,4	13,0	11,7	10,4	9,0

## Materials

Part	Material	BS	ASTM
Body	No. 4 bronze	BS 1400-LG2	B62-C83600
Cap DN15	60/40 brass	BS 2874 CZ121	B16-C36000
DN20-DN50	No. 4 bronze	BS 1400-LG2	B62-C83600
Disk DN15-DN20	60/40 brass	BS 2874 CZ121	B16-C36000
DN25-DN50	No. 4 bronze	BS 1400-LG2	B62-C83600

**Testing** - each valve individually tested to BS 5154.

## Dimensions mm / Weights

DN	in	A	B	kg
15	1/2	55	33	0,24
20	3/4	63	33	0,34
25	1	77	39	0,59
32	1 1/4	91	47	1,06
40	1 1/2	98	54	1,27
50	2	118	65	2,12

**Options** - ends threaded ANSI B1.20.1.

