

Bronze Swing Check Valve - PN25

Seat metal/metal



Integral Bronze Seat, Screwed BSPP Female BS21.

Minimum Operating Conditions

Sizes 1/2" to 1" require 0.5 bar (7.25psi) minimum line pressure with a differential pressure of 1 to 1.5psi to allow the valve to open and close.

Maximum Pressure Conditions

	Max Pressure Conditions (bar)		Test Pressures (bar)	
	Temperatures up to 100°C	Temperatures up to 186°C	Shell	Seat
1/2" - 4"	25.0	10.5	37.5	27.5

Pressure Equipment Directive Category

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
SEP	SEP	SEP	SEP	SEP	SEP

Category 2 carries CE mark.

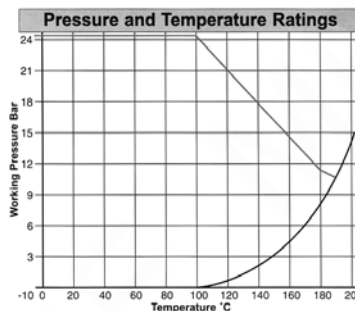
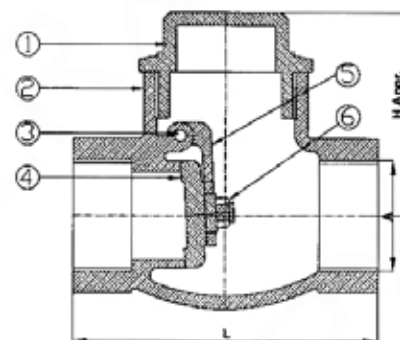
Flow Rates

	1/2"	3/4"	1"	1 1/4"	1 1/2"
Kv	6.26	11.13	17.38	28.48	44.51
	2"	2 1/2"	3"	4"	
Kv	69.53	117.50	178.02	TBC	

*Kv - flow rate in m³ per hour at a pressure drop of 1 bar.

Material List

Part No.	Qty.	Description	Material	Specification
1	1	Bonnet	Bronze	BS 1400 LG2
2	1	Body	Bronze	BS 1400 LG2
3	1	Hinge Pin	Brass	CZ114 OF BS 2872 / 2874
4	1	Disc	Bronze	BS 1400 LG2
5	1	Lever	Bronze	BS 1400 LG2
6	1	Nut	Brass	CZ114 OF BS 2872 / 2874



Dimensions

Size	A	L	H
15	1/2" BSP	60	47
20	3/4" BSP	70	51
25	1" BSP	80	55
32	1 1/4" BSP	95	63
40	1 1/2" BSP	110	67
50	2" BSP	125	82
65	2 1/2" BSP	161	103
80	3" BSP	180	112
100	4" BSP	216	133