

Ductile Iron Swing Check Valve (PN16)

Bolted Bonnet • Horizontal Swing • Bronze Trim • Flanged Ends • Epoxy Coated

16 Bar from -10°C to 120° C

12.8 Bar at 200°C

Standards	Valve	Face to Face	Flanges	Testing
BS EN	12334	558-1 Ser.10	1092-2 PN16	12266-1
BS	5153	2080 Ser. 10/5153	4504-3.2 PN16	6755-1,5153

MATERIAL LIST

PART	MATERIAL	SPECIFICATION(BSEN)
1. Body	Ductile Iron	1563 EN-GJS-400-15
2. Seat	Bronze	1982 CC491K
3. Disc	Ductile Iron	1563 EN-GJS-400-15
4. Disc Ring	Bronze	1982 CC491K
5. Hinge	Ductile Iron	1563 EN-GJS-400-15
6. Bushing	Aluminum Bronze	12163 CW307G
7. Washer	Stainless Steel	10088-1 X5CrNi18-10
8. Nut	Stainless Steel	10088-1 X5CrNi18-10
9. Split Pin	Stainless Steel	10088-1 X5CrNi18-10
10. Gasket	Graphite +Steel	--
11. Bonnet	Ductile Iron	1563 EN-GJS-400-15
12. Bolt	Carbon Steel	--
13. Washer	Carbon Steel	--
14. Hinge Pin	Stainless Steel	10088-1 X30Cr13
15. Plug	Stainless Steel	10088-1 X5CrNi18-10
16. Screw	Stainless Steel	10088-3 X5CrNi18-10
17. Bushing	Aluminum Bronze	12163 CW307G
18. O-ring (2"-5")	EPDM	--
Gasket (6"-12")	EPDM	--
19. Eyebolt (6"-12")	Carbon Steel	--

Pressure Testing

Shell	24 Bar
Seat	17.6 Bar

DIMENSIONS (mm)

Size		DN	L	A	C	D	Z-Ød	F	H	Weight Kg.
Inch	mm									
2"	50	50	203	99	125	165	4-Ø19	19	123	11.6
2½"	65	65	216	118	145	185	4-Ø19	19	133	17.5
3"	80	80	241	132	160	200	8-Ø19	19	134	21.4
4"	100	100	292	156	180	220	8-Ø19	19	162	37
5"	125	125	330	184	210	250	8-Ø19	19	188	56
6"	150	150	356	211	240	285	8-Ø23	19	264	72
8"	200	200	495	266	295	340	12-Ø23	20	304	123
10"	250	250	622	319	355	405	12-Ø28	22	360	198
12"	300	300	698	370	410	460	12-Ø28	24.5	392	292

- On pump discharge, install the check valve a minimum of 5 times the pipe diameter.
- Do not use for reciprocating air compressor service.
- Iron body check valves may be installed in horizontal and vertical lines with upward flow or in any intermediate position.
- This valve complies with BSEN 12334:01 SEC.4.2.4 Anti-blow out design. The valve designs shall ensure that the hinge pin mechanism cannot be fully blown out of the body when the valve is under pressure.

NPF938EP

2"~12"

