

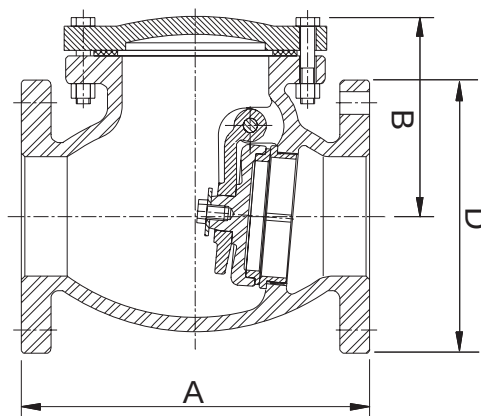


Swing Check Valve (Flanged)

CF

Technical Features

- **Sizes available (Nominal) :** DN50/2", DN65/2 1/2", DN80/3", DN100/4", DN 125/5", DN150/6", DN200/8", DN250/10" and DN300/12".
- **Pressure data :**
Working Pressure : 16 bar (232 psi).
Hydraulic Shell Test Pressure : 24 bar (348 psi).
Hydraulic Seat Test Pressure : 17.6 bar (255 psi).
- **Seat Type :** Bronze clapper face ring and valve body seat.
- **Finish :** Red oxide approved for water use.
- **Connections :** Flange diameter and thickness according to BS4504 PN16. Flange drilling varies by reference number. See Physical Data Table below.
- **Specifications :** Conforms to BS5153, MSS SP-71.



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Physical Data

Nominal Pipe Size		Dimensions (mm / inch)			Reference*				Weight (kg / lbs)
Metric	inch	A	B	D	ANSI	PN10	PN16	Table E	
DN50	2"	200 / 7.9	118 / 4.6	165 / 6.5	CF-0200	CF-0200PN	CF-0200PN	CF-0200E	9 / 19
DN65	2 1/2"	240 / 9.5	124 / 4.9	185 / 7.3	CF-0250	CF-0250PN	CF-0250PN	CF-0250E	12 / 25
DN80	3"	260 / 10.2	144 / 5.7	200 / 7.9	CF-0300	CF-0300PN	CF-0300PN	CF-0300E	17 / 38
DN100	4"	300 / 11.8	154 / 6.0	220 / 8.7	CF-0400	CF-0400PN	CF-0400PN	CF-0400E	25 / 55
DN125	5"	350 / 13.8	179 / 7.0	250 / 9.8	CF-0500	CF-0500PN	CF-0500PN	CF-0500E	40 / 88
DN150	6"	400 / 15.7	184 / 7.2	285 / 11.2	CF-0600	CF-0600	CF-0600	CF-0600E	50 / 110
DN200	8"	500 / 19.7	245 / 9.6	340 / 13.4	CF-0800	CF-0800PN10	CF-0800PN16	CF-0800E	93 / 205
DN250	10"	600 / 23.6	346 / 13.6	405 / 15.9	CF-1000	CF-1000PN10	CF-1000PN16	CF-1000E	218 / 481
DN300	12"	700 / 27.6	337 / 13.3	460 / 18.1	CF-1200	CF-1200PN10	CF-1200PN16	CF-1200E	283 / 624

* Valve flange drilling (size and location of bolt holes and pitch circle diameter) allows mating with the following flange types.

ANSI = ANSI
B16.1

PN10 = DIN 2501, BS 4504,
EN 1092 - PN10

PN16 = DIN 2501, BS 4504,
EN 1092 - PN16

Table E = BS 10 - 1962 Table E

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Materials List

Item	Description	Material	Specification	
1	Body	Cast Iron	BS 1452 Gr.220	ASTM A126-CI.B
2	Cover	Cast Iron	BS 1452 Gr.220	ASTM A126-CI.B
3	Disc	Cast Iron	BS 1452 Gr.220	ASTM A126-CI.B
4	Disc Face Ring	Bronze	BS 1400 LG2	ASTM B62 C83600
5	Body Seat Ring	Bronze	BS 1400 LG2	ASTM B62 C83600
6	Hinge Pin	Copper Alloy	BS 2874 CZ124	ASTM B16 C36000
7	Hanger	Ductile Iron	BS 2789 Gr.500/7	ASTM A536 65-45-12
8	Cover Gasket	Graphite	Asbestos Free	
9	Plug	Copper Alloy	BS 2874 CZ124	ASTM B16 C36000

