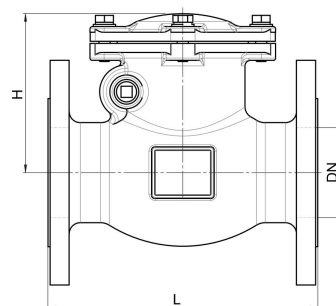


Flanged Swing Check Valves

PN 16, DN 50...600



Dimensions and Item Numbers



Oventrop flanged swing check valves are installed in the supply and return pipe of central heating and cooling systems with closed circuits. They are suitable for operation with non-aggressive fluids, e.g. water or suitable water and glycol mixtures according to VDI 2035 / ÖNORM 5195.

Specifications

Sizes	DN 50 to DN 600
Operating temperature	-10...120 °C
Operating pressure	PN 16
Length	according to EN 558, Series 10
Flanges	according to EN 1092-2 PN 16

Materials

Body, bonnet, disc	DN 50...300: Nodular cast iron EN-GJS-400-15 (GGG40) DN 350...600: Cast iron EN-GJL-250 (GG25)
Hanger	Nodular cast iron EN-GJS-400-15
Seat, disc ring	Gun metal C83600 (RG5)
Disc mount	Stainless steel SS304
Body gasket	Graphite + stainless steel SS304
Coating	Fusion bonded epoxy coating

DN	Kvs-value	L [mm]	H [mm]	Weight [kg]	Item No.
50	185	203	123	8.4	166 20 50
65	199	216	133	10.0	166 20 51
80	347	241	134	12.5	166 20 52
100	492	292	162	18.4	166 20 53
125	884	330	188	26.4	166 20 54
150	1,623	356	264	32.5	166 20 55
200	2,405	495	304	57	166 20 56
250	3,217	622	360	93	166 20 57
300	4,168	698	392	150	166 20 58
350	5,092	787	560	419	166 20 59
400	6,248	914	589	542	166 20 60
450	8,337	914	645	656	166 20 61
500	10,250	1,016	702	832	166 20 62
600	14,679	1,219	812	1,260	166 20 63

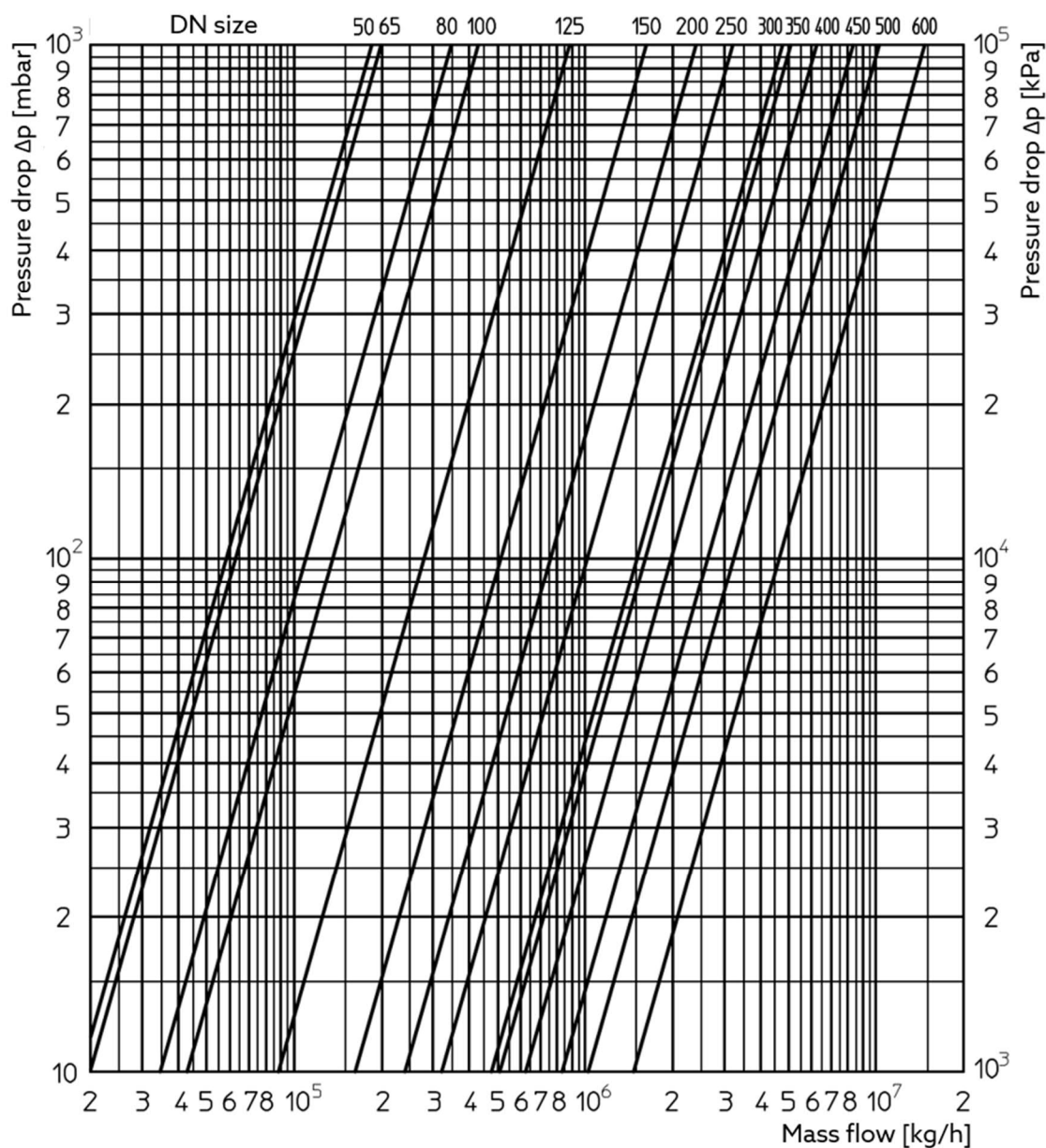
Installation

Oventrop flanged check valves of this series are suitable for horizontal and vertical installation:

- Vertical installation only with flap opening upwards
- Horizontal installation only with flap suspension upwards

Not suitable for use on pulsating flow lines. Installation with a minimum of 10 x DN of straight pipe behind a pump.

Flow Chart



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