PRAHER PLASTICS

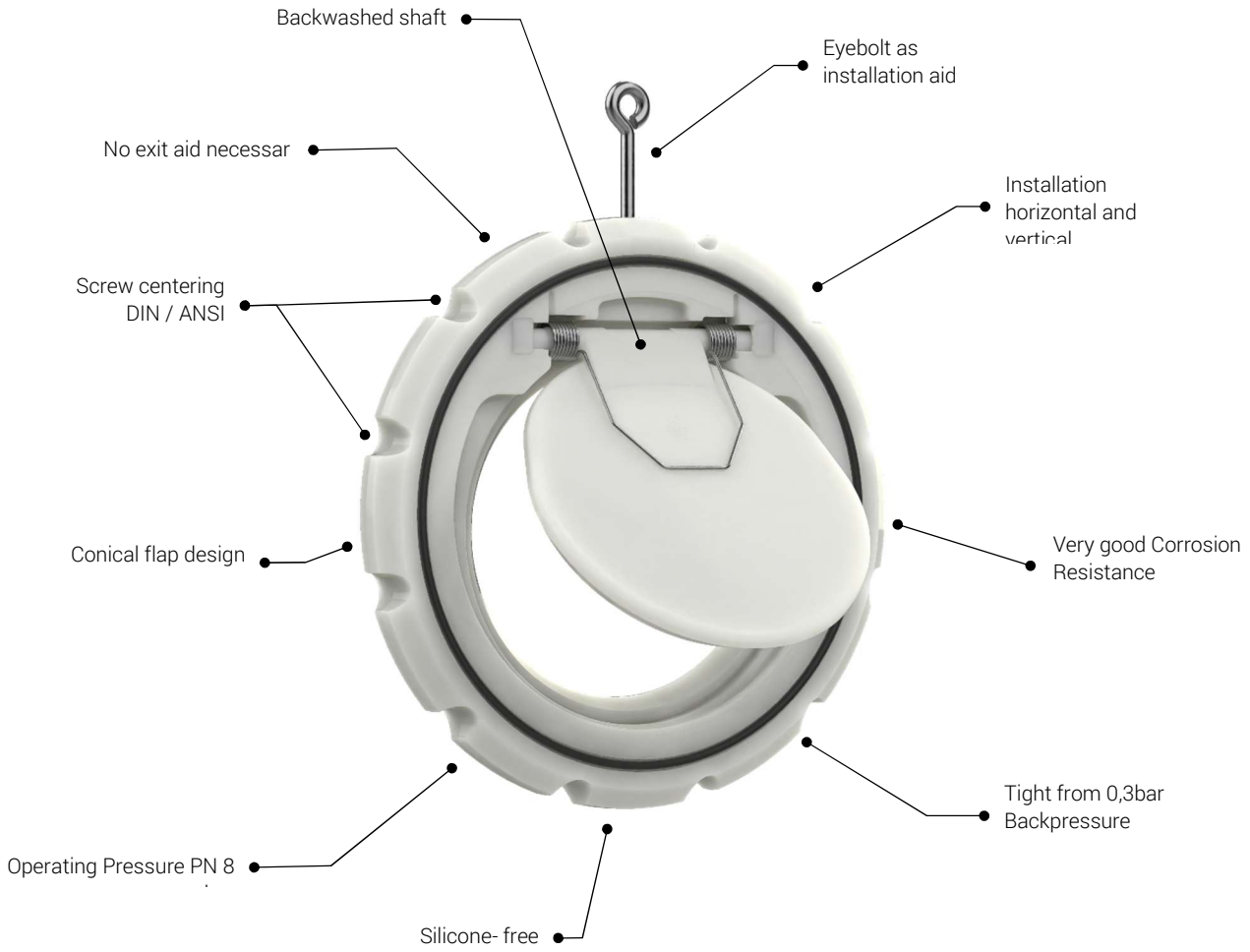
Wafer Check Valve

K6

PVDF

DATASHEET

Wafer Check Valve K6



Overview

General		
Material	Body material Sealing material	**PVDF** **FPM**
Dimensionens	DN300 d315 d12“	
Connector types	Flange	**DIN 2501 PN10** **ANSI class 150**
Spring	Mat. 1.4401 Hastelloy	
Operating pressure	DN300	PN8

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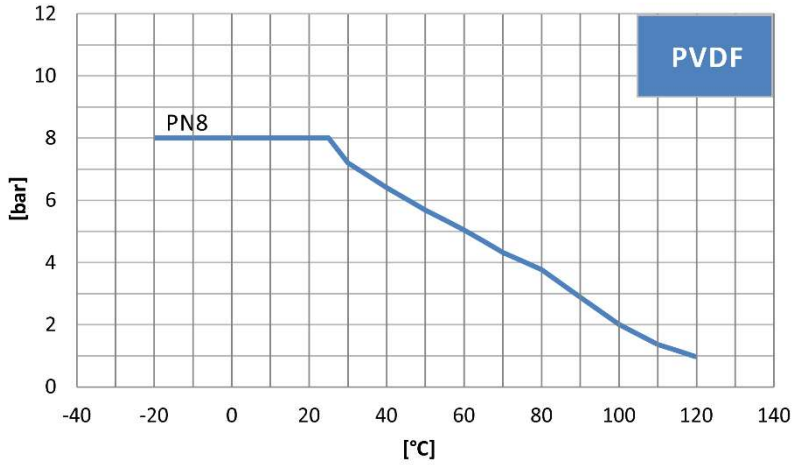
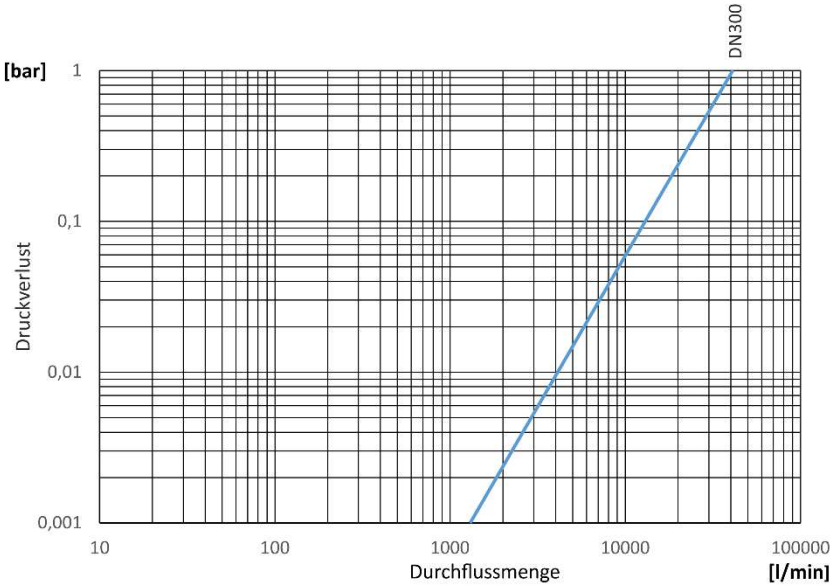
Technical Data

Pressure Temperature Diagram



The values of the Pressure Temperature Diagram are based on a service life of 25 years at static pressure load and apply to water-like media.

Flow - Pressure Drop - CV Value



kv-Value-Table

Pressure Loss	DN300 d315
0,001 bar	1301,8
1 bar	41.167

(Data in l/min)
Follow Installation Instruction

Values of the pressure drop diagram result with an opening angle "W" according to the Dimensions table and flow medium water at 20°C!

Technical Data

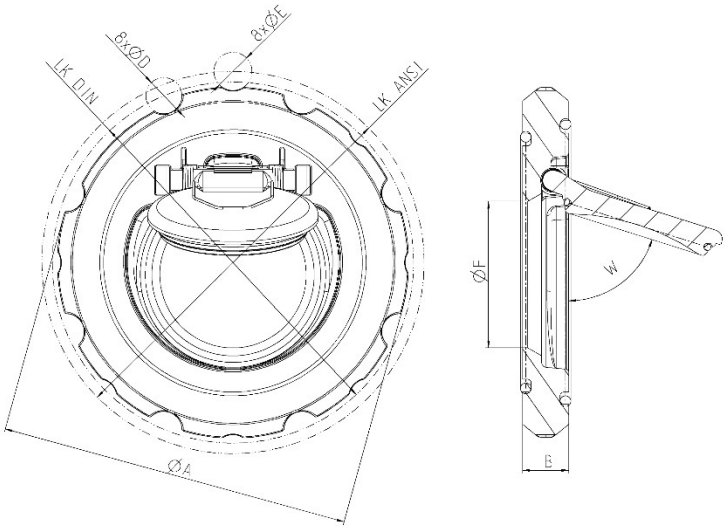
Opening Pressure (without Spring)

Dimension	Mounting Position	
	horizontal	vertical
DN300	4 mbar	20 mbar

Opening pressure with spring approx. 10 mbar higher!
The opening pressure is the differential pressure required to open the valve!

For further information and notes, see operating instructions.

Dimension



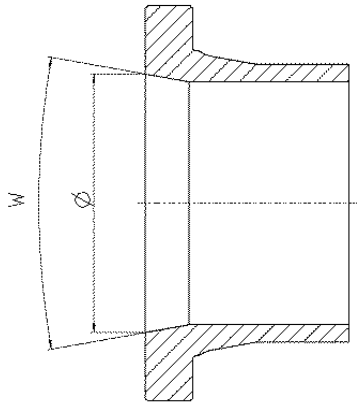
DN	300
d	315
Zoll	12“
ØA	396
B	46
LK DIN	400
ØD	22
LK ANSI	431,8
ØE	25,4
ØF	223
W**	70,5*

(Dimensions in mm)
(*Dimensions in degree)
**Pipe PVDF SDR21 – Follow the Installation Instructions

Dimensions

Installation Instructions

There must be a clearance in the pipeline on the outlet side according to the table in order to ensure the correct opening of the valve.

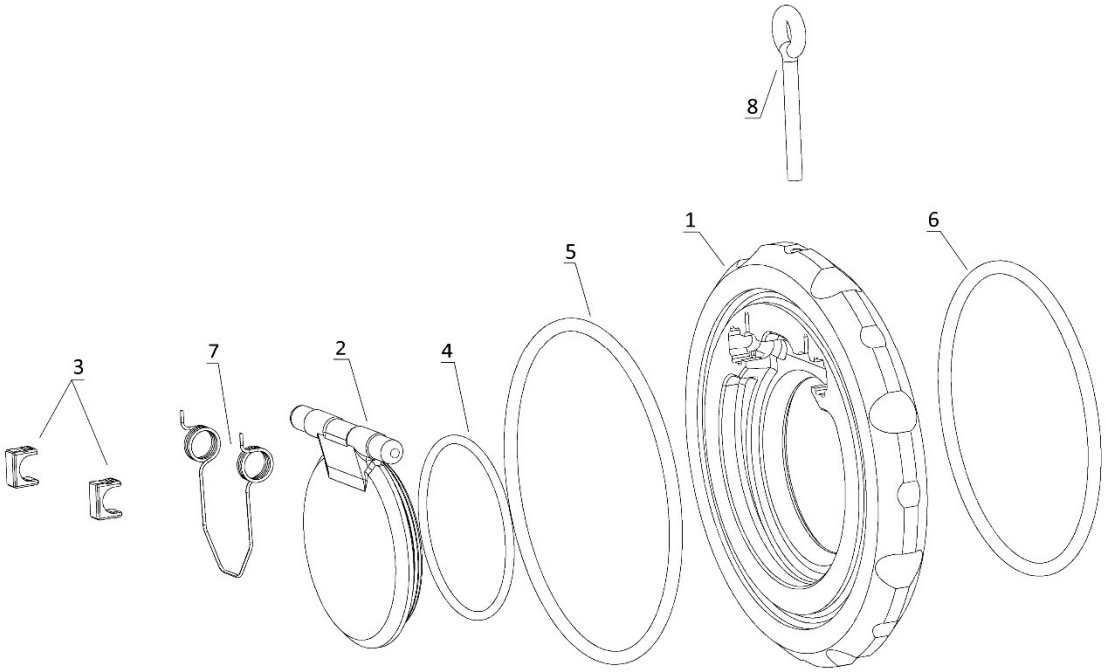


Dimension	DN300 d315
Ø	292
W*	20

(Dimension in mm)

*(*Dimension in degree)*

Exploded drawing



No.	Description	Material
1.	Body	PVDF
2.	Flap	PVDF
3.	Flap clips	PVDF
4.	O-Ring Flap	FPM
5.	Front O-Ring Body	FPM
6.	Rear O-Ring Body	FPM
7.	Spring	1.4401 / Hastelloy C-4
8.	Eyebolt	Steel galvanized

Accessories / Spare parts

Flap Kit:

Consisting of:

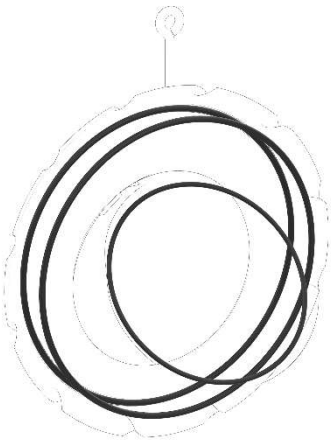
- Flap with assembled O-Ring (2 & 4)
- Flap clips (3)
- Front O-Ring Body (5)
- Rear O-Ring Body (6)

O-Ring Seal Kit

- Material: FPM

Consisting of:

- O-Ring Flap (4)
- Front O-Ring Body (5)
- Rear O-Ring Body (6)

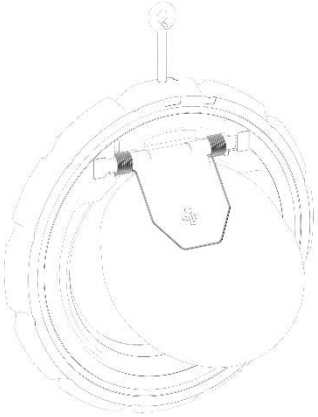


Spring Set

- Material: 1.4401 / Hastelloy C-4

Consisting of:

- Spring (7)



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