

Wafer check valve K4



General:

- Body material: PVC-U / PP
PPGF / PVDF
- Disc material: PVC-U / PP
PPGF / PVDF
- Sealing material: EPDM / FPM
- Dimensions: DN65 – DN250
d75 – d280
2 ½" – 10"
- Standards: DIN 2501
ANSI B 16,5
JIS 10K

Operating pressure:

- PVC PN10
- PP PN6
- PPGF
DN65 – DN200 PN10
DN250 PN8
- PVDF PN10

Adjusted springs and combinations of springs to operating pressure see page 4

Technical features:

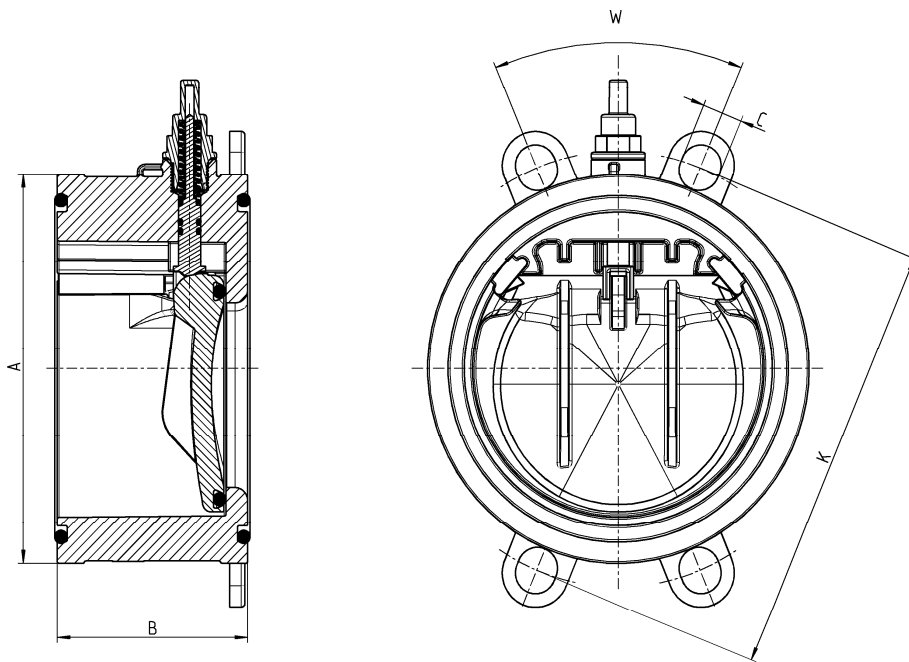
- Only plastics and O-Rings are in touch with medium
- Excellent flow rates
- Disc opening up to 85°
- Optional with indicator and springs or without indicator and springs
- Optional spring force for an operating pressure up to 3, 7 or 10 bar (details siehe page 5)
- Easy and quick installation by means of integrated sizing hole template
- No more discharge aids necessary

This document does not constitute a guarantee, it is for initial information purposes only. The product range is continually upgraded, the designs and types therefore only reflect the state of the art at the time of printing.
Subject to technical modifications!



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Dimensions:



DN	65	80	100	150	200	250
d	75	90	110	160	225	280
A	115	128	155	212	264	325
B	63	71	80	106	140	140
C	20	20	20	20	24	27
K	139 - 145	150 - 160	175 - 191	234 - 242	290 - 299	350 - 362
W	90°	45°	45°	45°	45°	30°
Option flange standard	-	-	BS	BS	BS	BS

Dimensions in mm

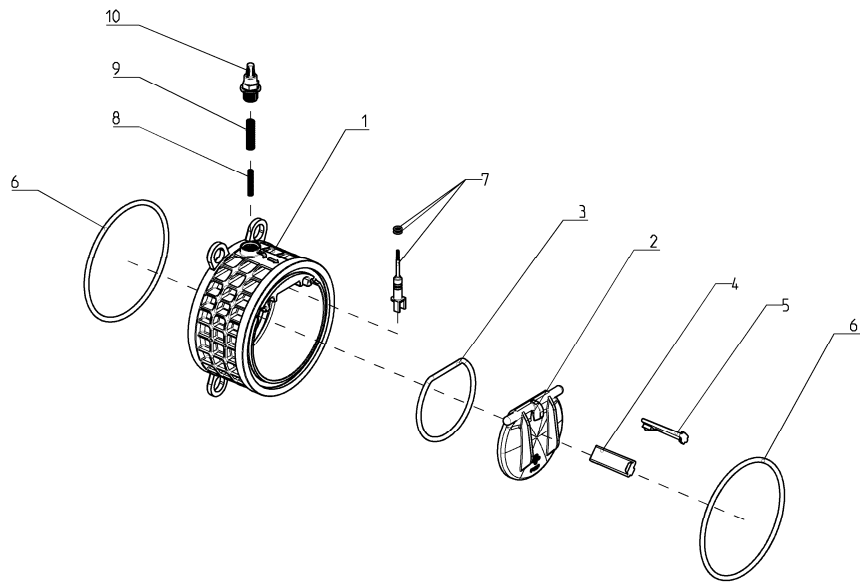
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Exploded drawing:

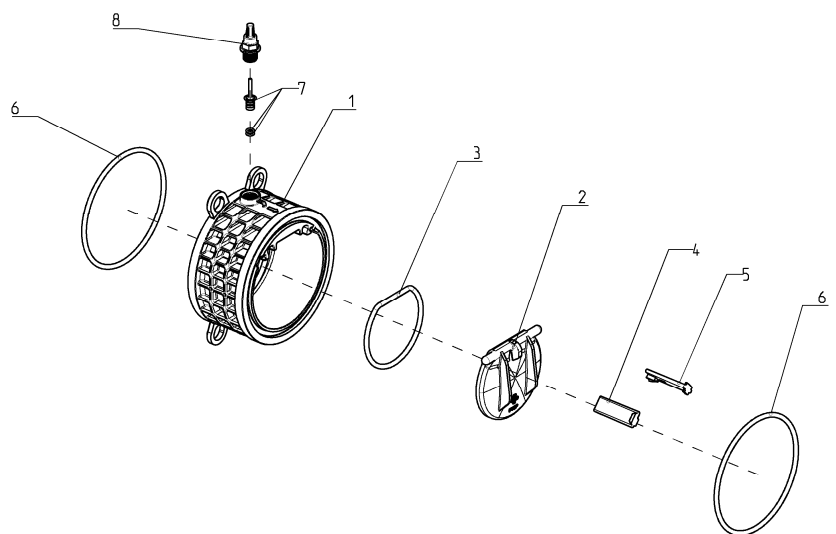
Version with indicator and spring

- 01. Body
- 02. Disc
- 03. O-Ring disc
- 04. Fixing bolt left
- 05. Fixing bolt right
- 06. O-Ring body
- 07. Indicator pin with O-Ring
- 08. Spring PN3
- 09. Spring PN7 | PN6 für PP
- 10. Cap transparent



Version without indicator

- 01. Body
- 02. Disc
- 03. O-Ring disc
- 04. Fixing bolt left
- 05. Fixing bolt right
- 06. O-Ring body
- 07. Plug with O-Ring
- 08. Cap black

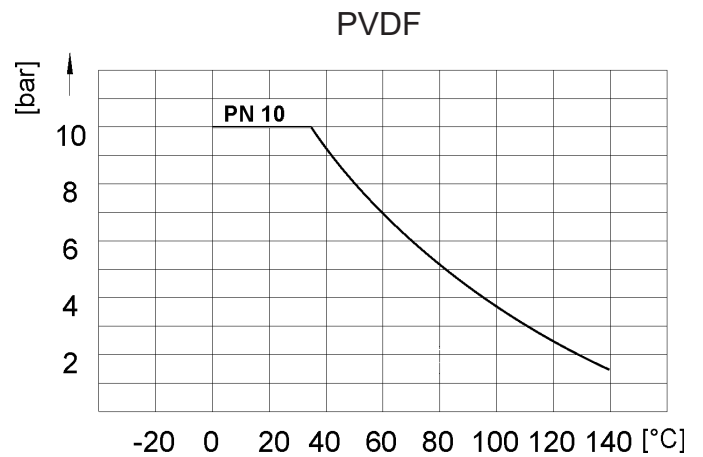
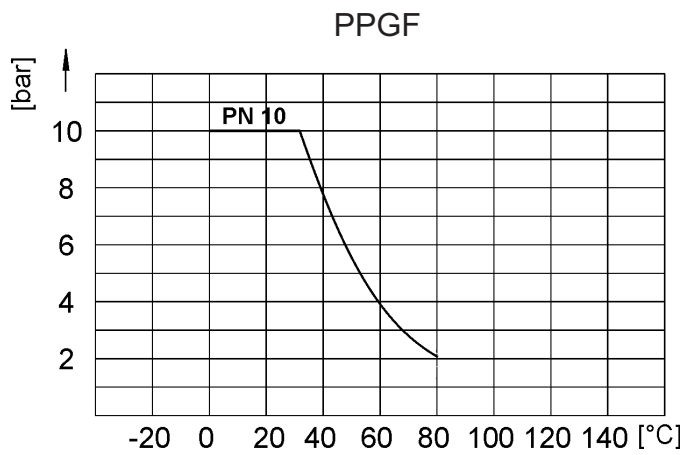
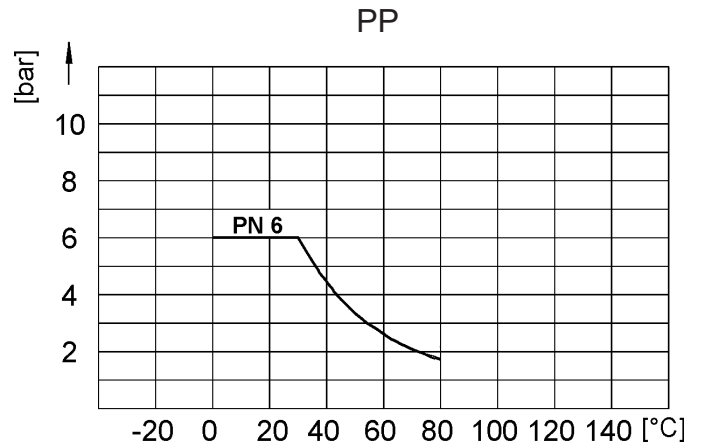
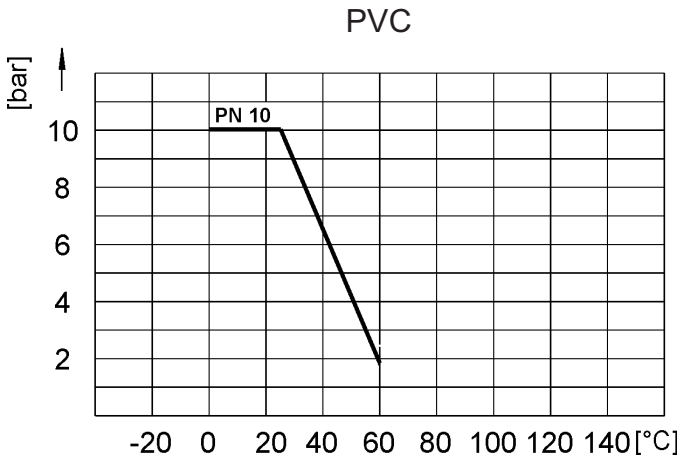


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Diagrams:

Pressure – Temperature – Diagram



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Springs and combinations of springs

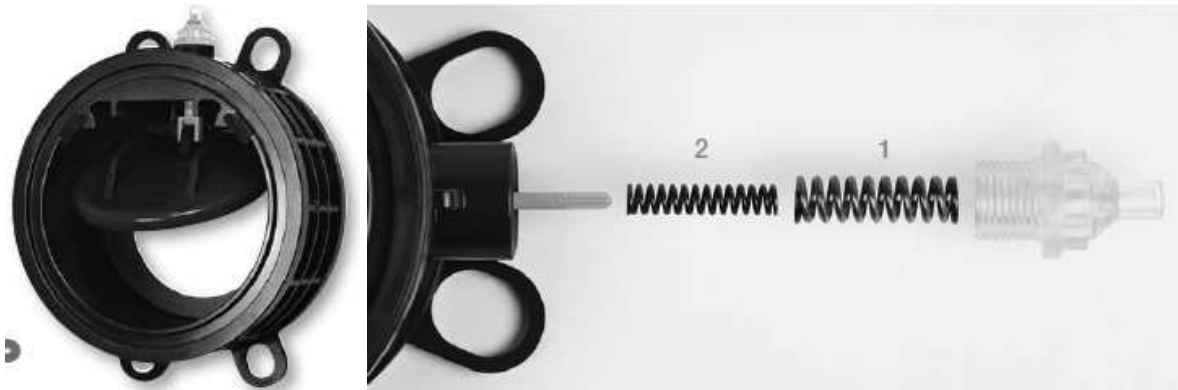
	spring 1	spring 2	spring 1&2
Operating pressure	3,1 – 7 bar	0,5 – 3 bar	7,1 – 10 bar

Example:
 Operating pressure 7 bar = combination of springs 1 & 2
 Operating pressure 6 bar = spring 1
 Operating pressure 2 bar = spring 2

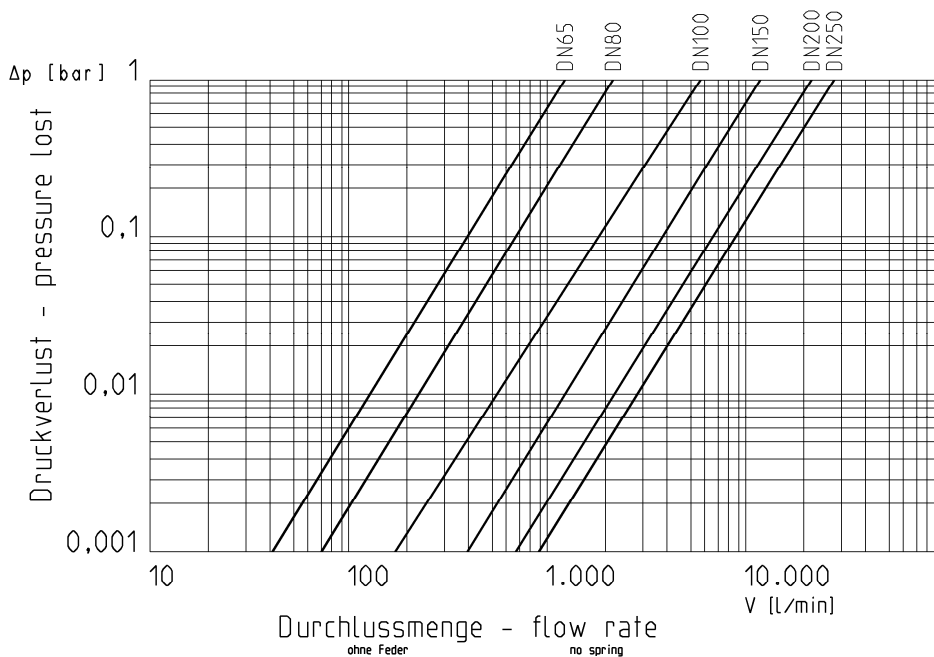
ATTENTION: A backpressure of 0,03 bar is required for a leak-free valve

	PP	PPGF	PVDF	PVC
Pressure level at 20°C (PN)	6 bar	10 bar	10 bar	10 bar

ATTENTION: Respect the pressure – temperatur diagrams für wafer check valves K4!



Pressure loss diagram



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Cv value table

pressure loss	1 bar	0,001 bar
DN65	1300 l/min	41 l/min
DN80	2200 l/min	70 l/min
DN100	5700 l/min	180 l/min
DN150	12500 l/min	395 l/min
DN200	21200 l/min	670 l/min
DN250	28000 l/min	885 l/min

Value pressure loss of the diagram, result in the case of maximum opening angle! (85°)

Tightening torque for flange connections

DN	65	80	100	150	200	250
Nm	15	18	20	40	55	60