

Butterfly Valve K4 without operation element



General:

- Seal materials: EPDM
FPM
- Body material: PP-GF
- Flap material: PVC-C
- Dimensions: DN65 – DN100
d75 – d110
2 1/2" – 4"
- Flange standards: DIN 2501 PN 10
ANSI B 16,5 Class150
JIS 10 K
BS Table D&E
- Additional dimension: DN65/d63
DIN 2501 PN 10

Operating pressure:

PVC-C PN10

Technical features:

- only sleeve gasket and flap in touch with medium
- double sealed shaft
- integrated bracket for mix point mounting
- simple and quick assembling of the actuator without any extra parts

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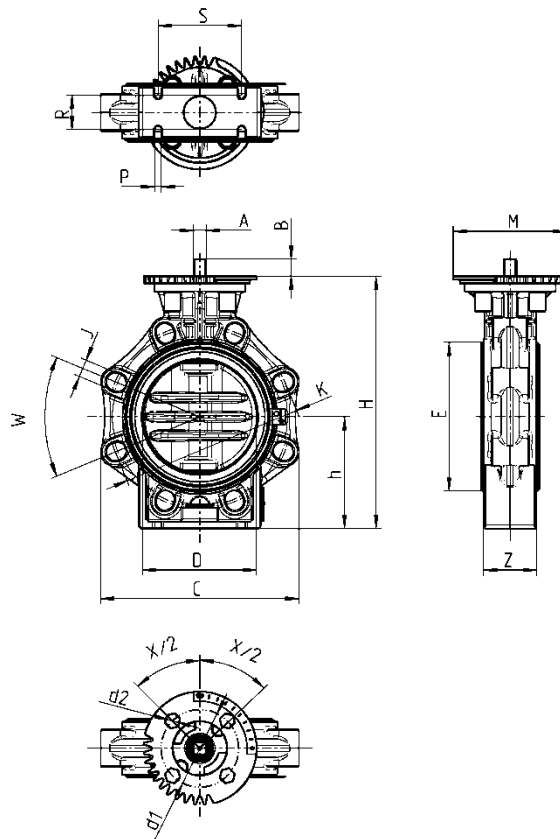
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Dimensions:



DN	65	80	100
d	75	90	110
G	2 1/2"	3"	4"
A	11	11	14
B	17,5	17,5	19,5
C	133	176	206
D	65	80	100
E	98	116	146
h	100	100	115
H	232	239	269
J	19	19	19
K	127-145	146-160	175-190,5
M	114	114	114
P	7	9	9
R	25	30	35
S	55	70	85
W	90°	45°	45°
Z	46	49	56
PN	10	10	10

Dimensions in mm

DN	Type of flange ISO 5211	d1	d2	X/2	A
65	F07	70	M8	45°	11
80	F07	70	M8	45°	11
100	F07	70	M8	45°	14

Exploded drawing:

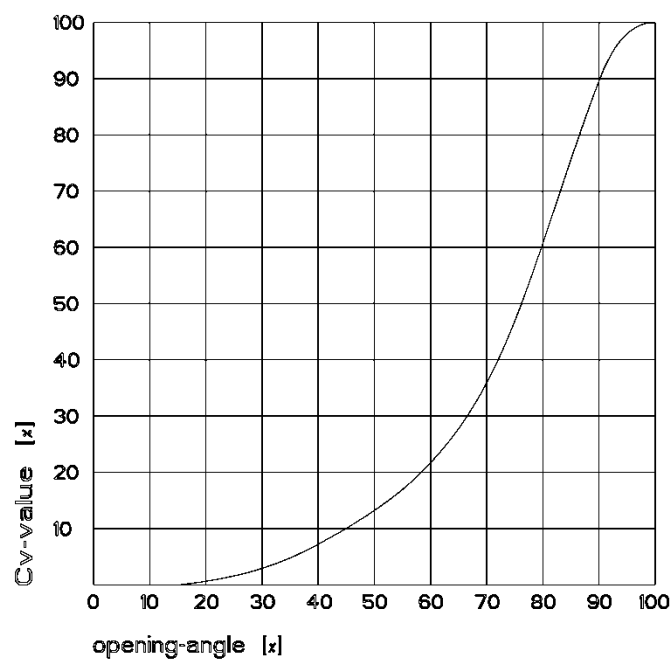
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- This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or valve. The central part is a main housing (1) with a large circular opening. Surrounding it are various sub-components:
- Top Assembly:** Consists of a flange (13) with a gear-like outer edge, secured by four screws (14). Above this is a cap or cover (15) held by four screws (16). Below the flange is a circular plate (10) with a central pin (11) and a washer (12).
 - Right Assembly:** A vertical rod (4) passing through a sleeve (6) and a nut (7). The rod has a pin (5) at the bottom and a cap (9) at the top. A seal or O-ring (8) is located between the cap and the sleeve.
 - Bottom Right Assembly:** A circular flange (2) with a central opening, and a spherical or dome-shaped component (3) with internal structural details.
 - Left Assembly:** A vertical stack of three cylindrical components (17) held together by a central pin or screw (16).
- Dashed lines indicate the alignment and assembly path for each part relative to the main housing (1).

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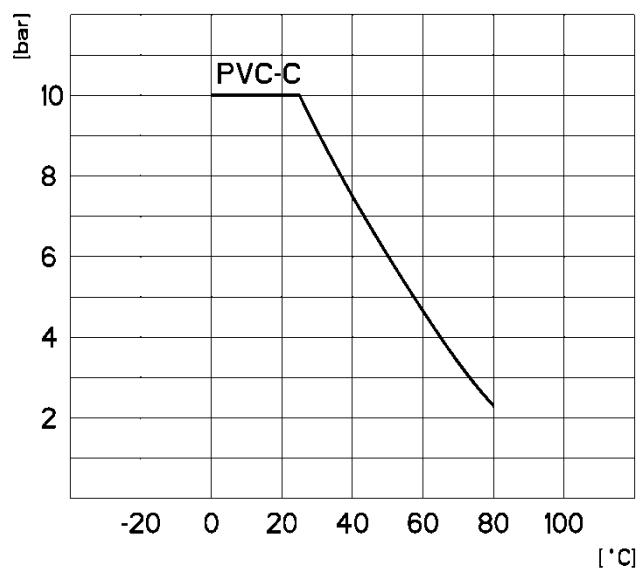
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Diagrams:

Flow - characteristic



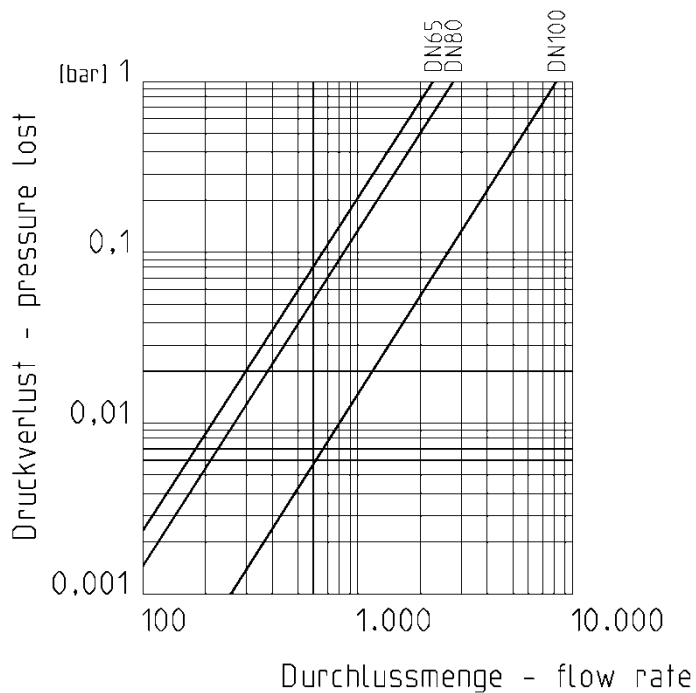
Pressure – temperature – diagram



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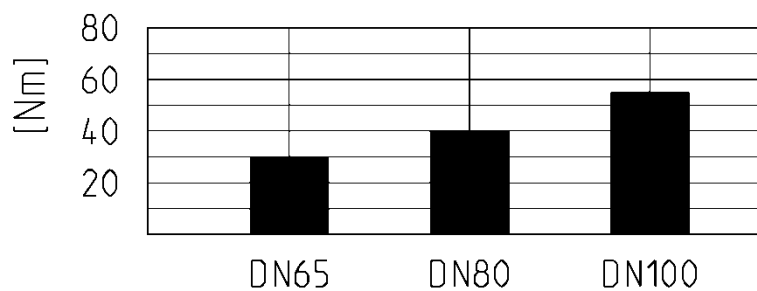
Pressure – loss - diagram



Kv value table

Pressure loss	DN65	DN80	DN100
0,001 bar	73 l/min	88 l/min	260 l/min
1 bar	2300 l/min	2800 l/min	8200 l/min

Torque



Tightening torque of screws for flange connections

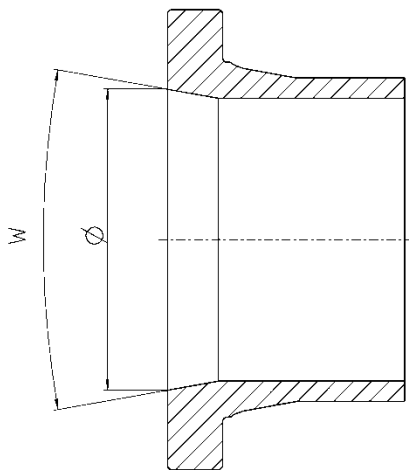
DN	65	80	100
Nm	15	18	20

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Installation in piping:

For a correct and complete opening of the flap, it is necessary that the used sockets and stub flanges have at least an inner diameter according to the table.



DN	d	Ø (mm)	w (°)
DN50*	d63*	60	40
DN65	d75	60	40
DN80	d90	77	40
DN100	d110	96,5	40

* Suitable only for **DIN** DN50 d63 sockets and stub flanges.

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