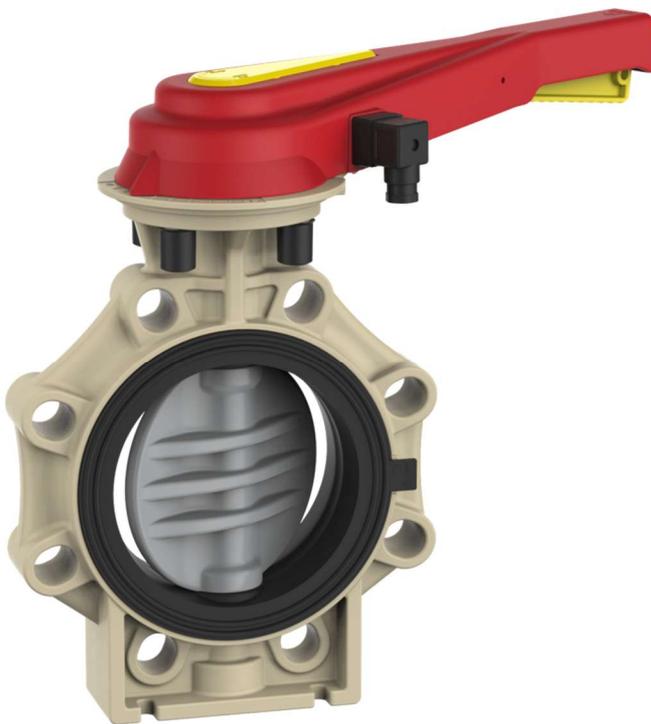


Butterfly Valve K4 with hand lever and position feedback



General:

- Sealing material: EPDM
FPM
- Body material: PP-GF
- Disc material: PVC-C
- Dimensions: DN65 – DN100
d75 – d110
2 1/2" – 4"
- Flange connections: 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 PN 10

Technical characteristics:

- only sleeve gasket and disc in touch with medium
- double sealed shaft
- integrated bracket for fix point mounting
- simple and quick assembling of the actuator without any extra parts
- 10 different disc locking position
- Reliable „locking-handle-system“
- Hand lever with marking plate (different colours available)
- Metal adapter between handle and shaft avoids abrasion of the handle
- integration position feedback in hand lever
 - Limit switch IP67
 - mechanical
 - AG-NI NO
 - AG-NI NC (on request)
 - AU NO (on request)
 - AU NC (on request)
 - inductive (on request)
 - NPN/PNP
 - Namur (on request)
 - adjustable
 - incl. stainless steel bolts
 - incl. device plug

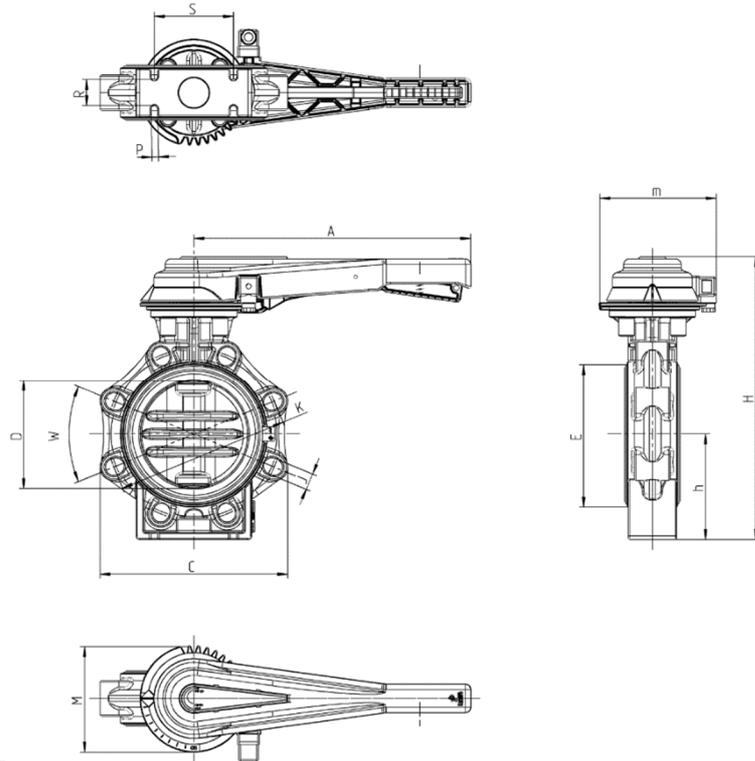
This print contains no warranty promise, but it should give you some first information. The product range is extended continuously, therefore the versions and types correspond to the actual status of printing.
Subject to technical modifications!

Butterfly Valve K4

with hand lever and position feedback



Dimensions:



DN	65	80	100
d	75	90	110
G	2 1/2"	3"	4"
A	230	230	300
D	65	80	100
C	133	176	206
W	90°	45°	45°
J	19	19	19
K	127-145	146-160	175-190,5
H	285	292	322
h	100	100	115
E	98	116	146
M	114	114	114
m	125	125	131
Z	46	49	56
S	55	70	85
R	25	30	35
P	7	9	9
PN	10	10	10

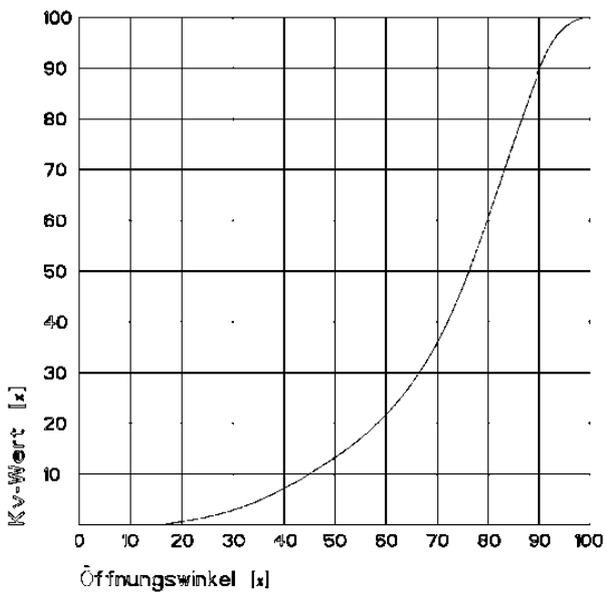
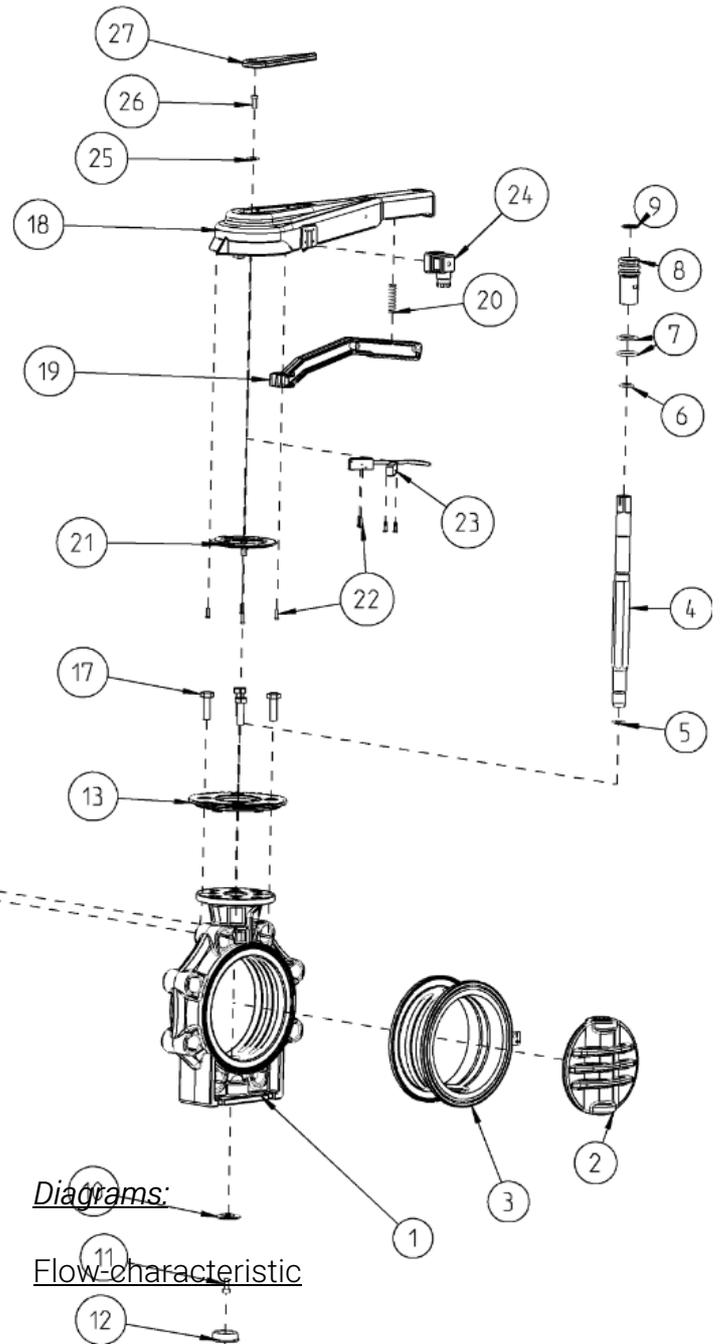
Dimensions in mm

Exploded drawing:

01. Body

Butterfly Valve K4
with hand lever and position feedback

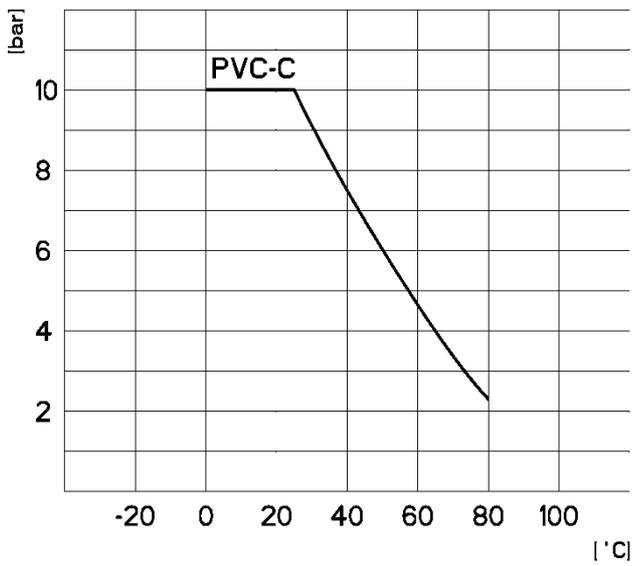
- 02. Disc
- 03. Sleeve
- 04. Shaft
- 05. Seal shaft below
- 06. Seal shaft above
- 07. Seal pilot bushing
- 08. Pilot bushing
- 09. Retaining ring
- 10. Holding disc
- 11. Screw
- 12. Cap
- 13. Cover plate
- 14. Cap
- 15. Nuts
- 16. Tooth wheel
- 17. Screws
- 18. Handle
- 19. Lever
- 20. Spring
- 21. Control plate
- 22. Screws
- 23. Limit switch
- 24. Plug
- 25. Washer
- 26. Screw
- 27. Marking plate



Butterfly Valve K4 with hand lever and position feedback

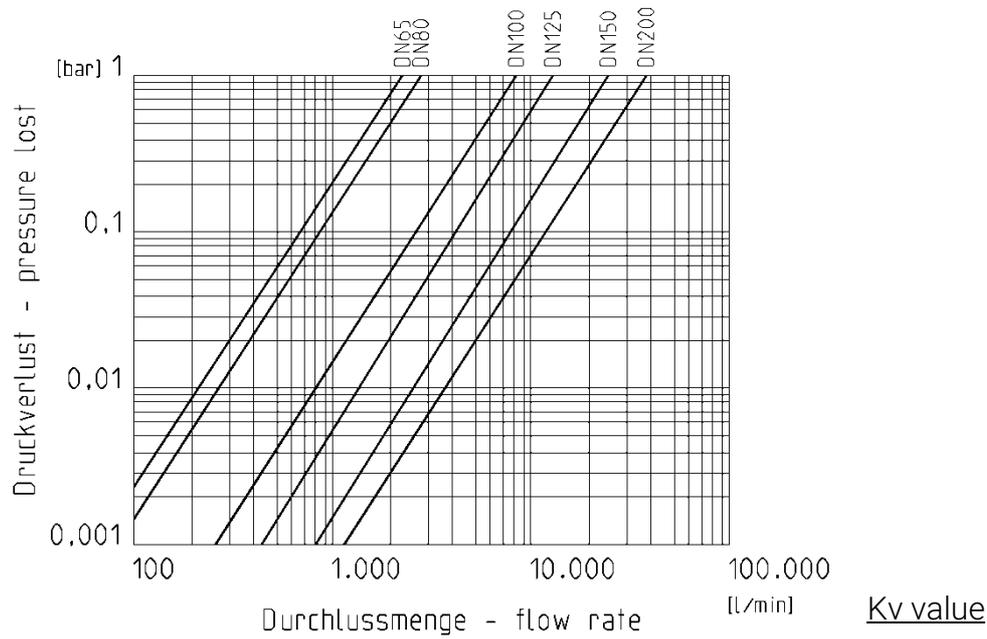


Pressure – Temperature – Diagram



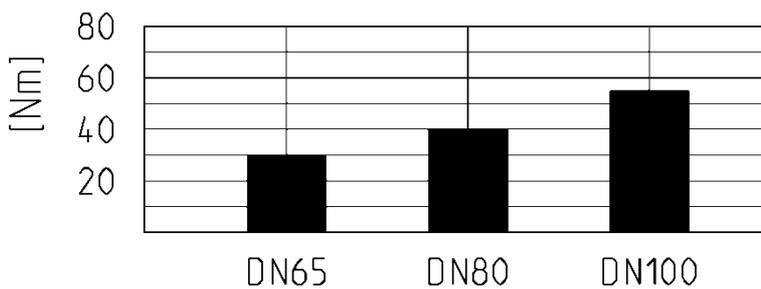
Butterfly Valve K4 with hand lever and position feedback

Pressure loss – Diagram



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



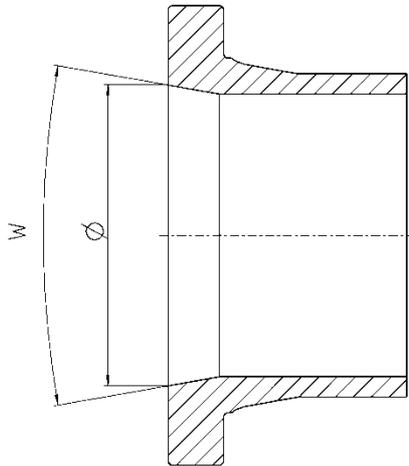
Tightening torque of screws for flange connections

DN	65	80	100
Nm	15	18	20

Butterfly Valve K4
with hand lever and position feedback

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.

Butterfly Valve K4

with hand lever and position feedback



Technical data position feedback:

Limit switch mechanical		
Type	Silver nickel (Ag-Ni) NO/NC*	Gold contact (Au) NO*/NC*
Voltage max.	15-250V AC (15-30V DC)	5-250V AC (5-30V DC)
Current max.	100mA-5A	1mA-3A
Protection class limit switch	IP67	
Protection class DIN connector plug	IP65	
Ambient temperature	-10°C to +50°C	
Connection diagram	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>NO</p> </div> <div style="text-align: center;"> <p>NC</p> </div> </div>	

*on request

Limit switch inductive*		
Type	NPN*/PNP*	NAMUR* EMV as per IEC / EN 60947-5-2:2004; NE 21 DIN EN 60947-5-6
Voltage max.	10-30V DC	8V DC
Current max.	0-100mA	NAMUR intrinsically safe
Protection class limit switch	IP67	
Protection class DIN connector plug	IP65	
Ambient temperature	-10°C to +50°C	
Connection diagram	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>+ PNP - NPN</p> </div> <div style="text-align: center;"> </div> </div>	

*on request