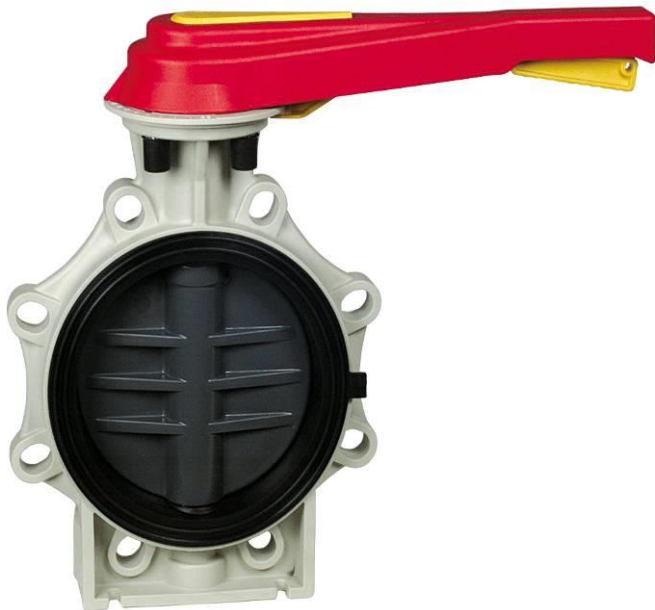


## Butterfly Valve K4 with hand lever



### **General:**

- Sealing material: EPDM  
FPM
- Body material: PP-GF
- Disc material: PVC-U, PP or PVDF
- Dimensions: DN65 – DN200  
d75 – d225  
2 1/2" – 8"
- Flange connections: DIN 2501 PN 10  
ANSI B 16,5 Class 150  
JIS 10 K [for DN65-DN150 only\*]  
BS Table D&E
- Additional dimension: DN65/d63 PVC-U  
DIN 2501 PN 10

\* for mounting between JIS-Flanges DN200 please contact us

### **Operating pressure:**

PVC-U, PP, PVDF      PN 10

### **Technical characteristics:**

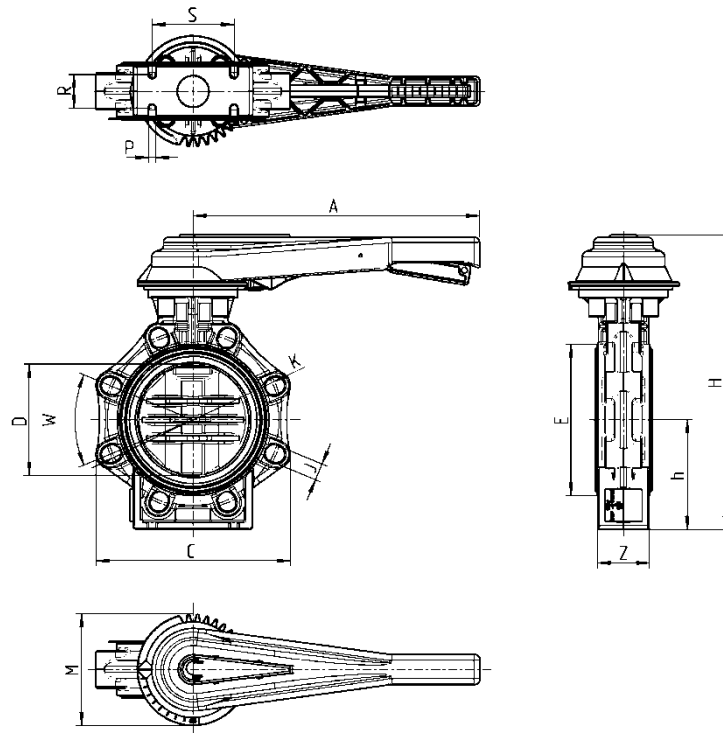
- only sleeve gasket and disc in touch with medium
- double sealed shaft
- integrated bracket for fix point mounting
- simple and quick assembling of the actuator without any extra parts
- 10 different disc locking positions
- reliable „Locking-handle-system“
- Hand lever with marking plate (different colours available)
- Metal adapter between handle and shaft avoids abrasion of the handle

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

## Dimensions:



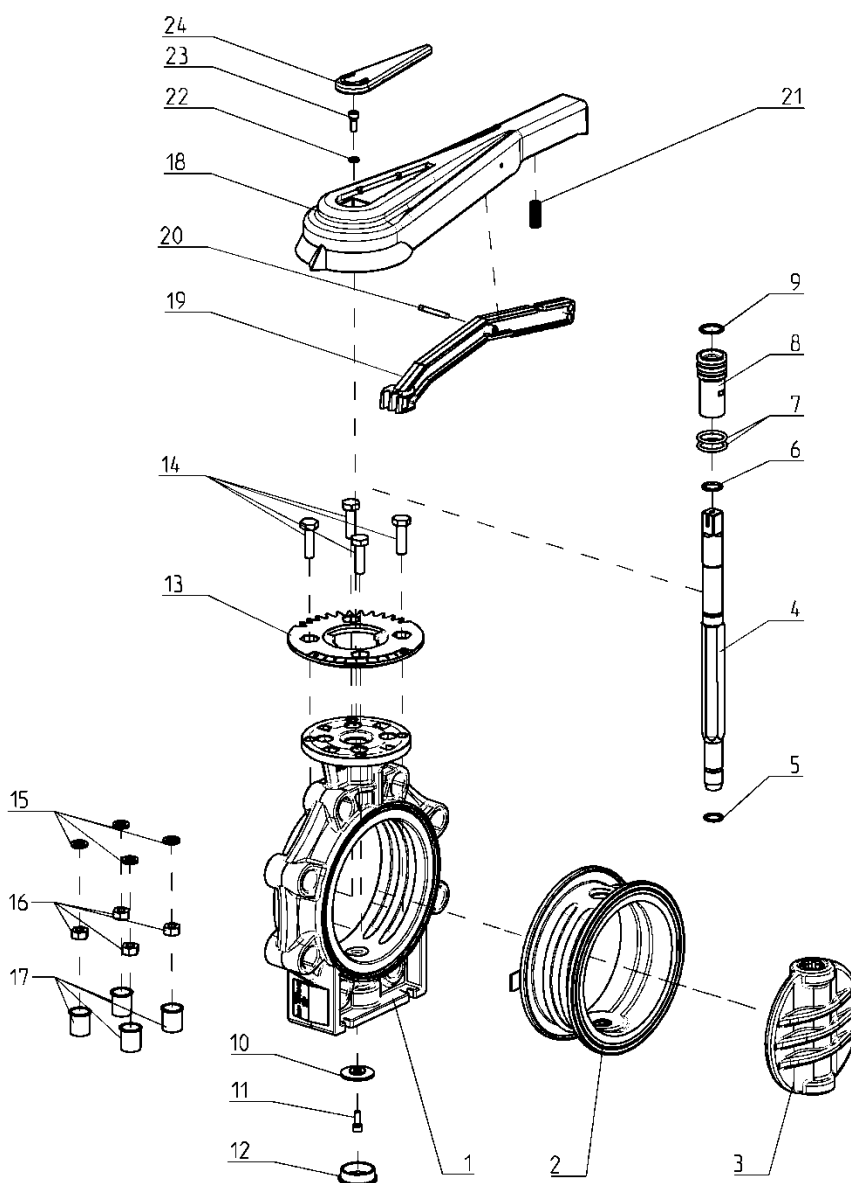
| DN | 65      | 80      | 100       | 125       | 150         | 200       |
|----|---------|---------|-----------|-----------|-------------|-----------|
| d  | 75      | 90      | 110       | 140       | 160         | 225       |
| G  | 2 1/2"  | 3"      | 4"        | 5"        | 6"          | 8"        |
| A  | 230     | 230     | 300       | 300       | 386         | 386       |
| D  | 65      | 80      | 100       | 125       | 150         | 200       |
| C  | 133     | 176     | 206       | 234,5     | 261         | 314       |
| W  | 90°     | 45°     | 45°       | 45°       | 45°         | 45°       |
| J  | 19      | 19      | 19        | 23        | 23          | 23        |
| K  | 127–145 | 146–160 | 175–190,5 | 209,5–216 | 234,5–241,3 | 290–298,5 |
| H  | 285     | 292     | 322       | 358       | 396         | 458       |
| h  | 100     | 100     | 115       | 130       | 147,5       | 175       |
| E  | 98      | 116     | 146       | 170       | 196         | 251       |
| M  | 114     | 114     | 114       | 114       | 150         | 150       |
| Z  | 46      | 49      | 56        | 64        | 70          | 71        |
| S  | 55      | 70      | 85        | 100       | 110         | 145       |
| R  | 25      | 30      | 35        | 45        | 45          | 40        |
| P  | 7       | 9       | 9         | 9         | 9           | 9         |
| PN | 10      | 10      | 10        | 10        | 10          | 10        |

Dimensions in mm

## Butterfly Valve K4 with hand lever

### Exploded drawing:

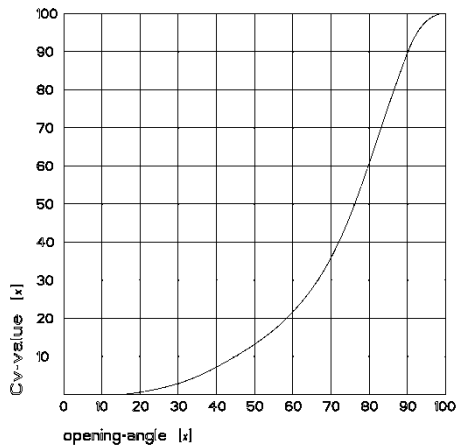
- 01. Body
- 02. Sleeve
- 03. Disc
- 04. Shaft
- 05. Seal shaft below
- 06. Seal shaft above
- 07. Seal pilot bushing
- 08. Pilot bushing
- 09. Retaining ring
- 10. Holding disc
- 11. Screw
- 12. Cap
- 13. Cover plate
- 14. Screws
- 15. Tooth wheel
- 16. Nuts
- 17. Caps
- 18. Handle
- 19. Lever
- 20.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



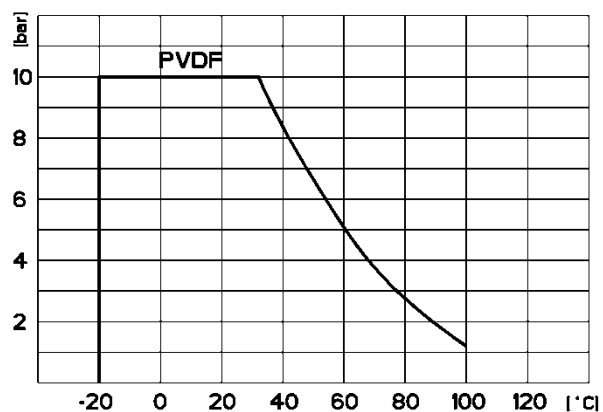
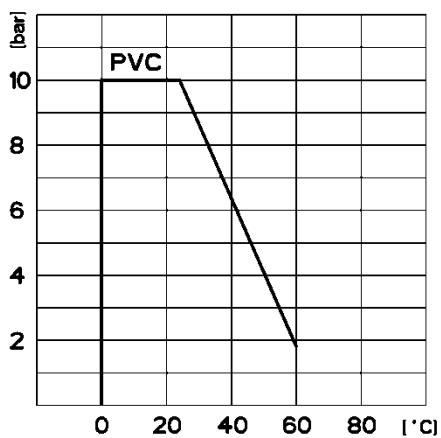
## Butterfly Valve K4 with hand lever

### Diagrams:

#### Flow-characteristic

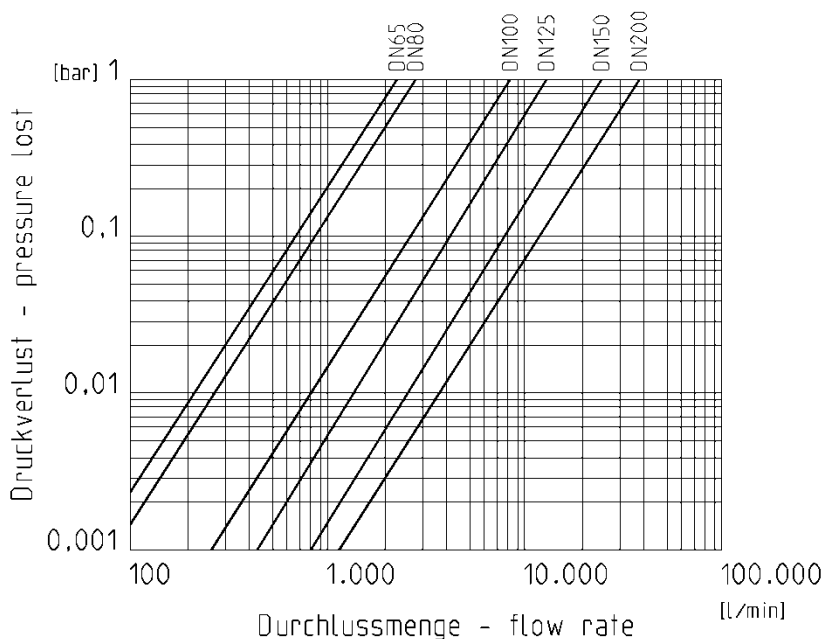


#### Pressure-Temperature-Diagram



## Butterfly Valve K4 with hand lever

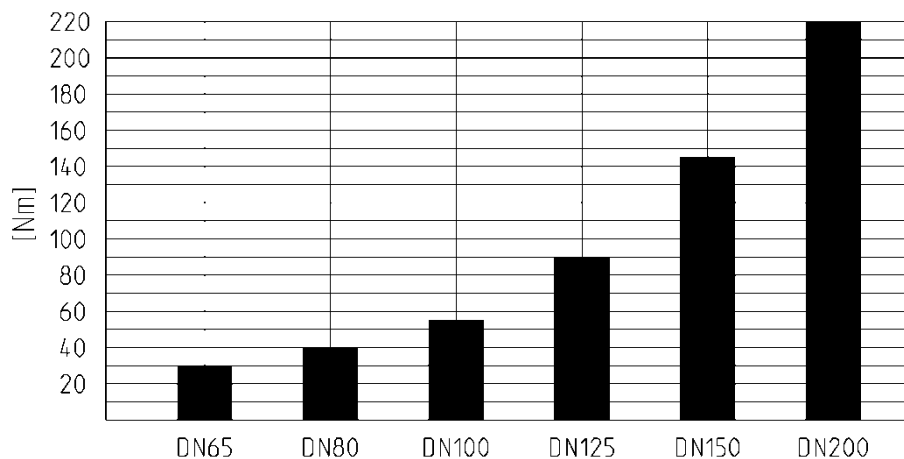
### Pressure loss–Diagram



### Kv value

| Pressure loss | DN65       | DN80       | DN100      | DN125       | DN150       | DN200       |
|---------------|------------|------------|------------|-------------|-------------|-------------|
| 0,001 bar     | 73 l/min   | 88 l/min   | 260 l/min  | 433 l/min   | 805 l/min   | 1200 l/min  |
| 1 bar         | 2300 l/min | 2800 l/min | 8200 l/min | 13700 l/min | 25500 l/min | 38000 l/min |

### Torque



### Tightening torque of screws for flange connections

| DN | 65 | 80 | 100 | 125 | 150 | 200 |
|----|----|----|-----|-----|-----|-----|
| Nm | 15 | 18 | 20  | 30  | 40  | 55  |