

# BUTTERFLY VALVE

Centric | type KG 2 | KG 4

## Advantages

Centric butterfly valve for the effective and safe industrial application

Economic equipment with the one-piece body design

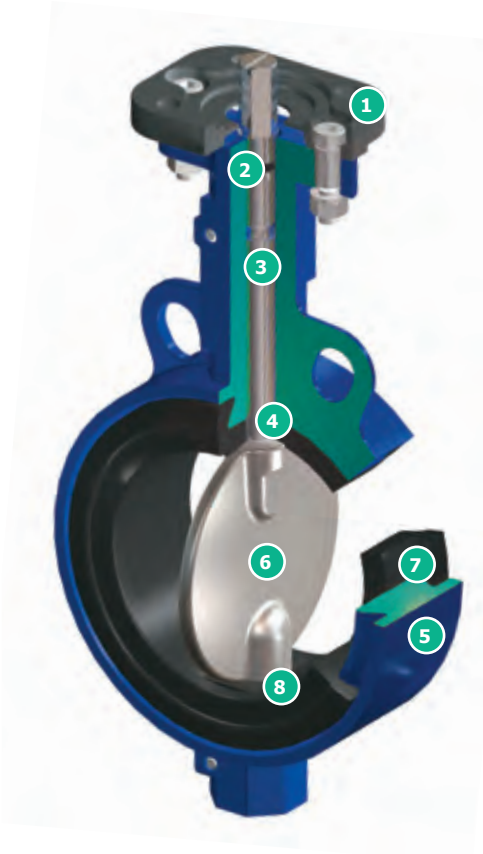
Complete body is lined with elastomer with the seat ring as a multifunctional sealing element



# TECHNICAL FEATURES

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Efficient and safe automation with the interchangeable flange GEFA-MULTITOP



## 1 Automation

- Standard mounting flange according to EN ISO 5211
- Direct actuator mounting without interruption of the stem
- Variable and exchangeable for any actuator size
- Actuator protection against leakage

## 2 Additional O-ring seal

Seals the stem guide to the outside.

## 3 Two-piece, anti-blowout stem

Provides a stable bearing of the valve disc.

## 4 Primary sealing

Integrated in the seat, guarantees a pressure-resistant sealing to the outside, additional labyrinth layout, seals towards the stem.

## 5 Body

One-piece with centring lugs or threaded cams as flange version.

## 6 Valve disc

With high all-round finish.

## 7 Seat ring

Multifunctional sealing element, easy to replace, maintenance-free, long service life, tight sealing in the seat, to the flanges and at the stem passage, secure locking in the dovetail, embedded in the housing without edge protruding over the flange.

## 8 Seat tightness

An absolute seat tightness up to 10 bar is achieved due to the special design of the valve disc sealing surface.

# THE TYPES

Butterfly valve | centric | type KG 2 | KG 4



## Type KG 2

DN 50 – DN 500

### Technical Data

Wafer type butterfly valve for installation between flanges EN 1092, PN 10/16, ASME class 150. One-piece body, self-centring, two-piece disc and stem connection, bubble-tight up to 10 bar, vacuum-tight.

### Face-to-face dimension

DIN EN 558 line 20  
API 609 table 1

### Mounting flange

DIN EN ISO 5211

### Test

DIN EN 12266 P10 P11 P12  
Leakage rate A

## Type KG 4

DN 50 – DN 500

### Technical Data

Lug type butterfly valve for installation between flanges EN 1092, PN 10/16, ASME class 150. One-piece body, selfcentring, two-piece disc and stem connection, bubble-tight up to 10 bar, vacuum-tight. The pipeline can be removed from the flange on one side.

### Face-to-face dimension

DIN EN 558 line 20  
API 609 table 1

### Mounting flange

DIN EN ISO 5211

### Test

DIN EN 12266 P10 P11 P12  
Leakage rate A

## Type KG 2/4

DVGW gas  
DN 50 – DN 500

### Technical Data

Wafer type butterfly valve or lug type butterfly valve for installation between flanges EN 1092, PN 10/16, ASME class 150. One-piece body, self-centring, two-piece disc and stem connection, bubble-tight up to 10 bar, vacuum-tight. DVGW-approved for gas according to DIN EN 13774.

### Face-to-face dimension

DIN EN 558 line 20  
API 609 table 1

### Mounting flange

DIN EN ISO 5211

### Test

DIN EN 12266 P10 P11 P12  
Leakage rate A

## Type KG 2/4

DVGW water  
DN 50 – DN 500

### Technical Data

Wafer type butterfly valve or lug type butterfly valve for installation between flanges EN 1092, PN 10/16, ASME class 150. One-piece body, selfcentring, two-piece disc and stem connection, bubble-tight up to 10 bar, vacuum-tight. DVGW-approved for water according to DIN EN 1074-1/-2 DVGW W 270 KTW test KA 0076/12.

### Face-to-face dimension

DIN EN 558 line 20  
API 609 table 1

### Mounting flange

DIN EN ISO 5211

### Test

DIN EN 12266 P10 P11 P12  
Leakage rate A

## Pressure and temperature range diagram

### Control range

20 ° – 60 ° opening angle

### Vacuum-tight

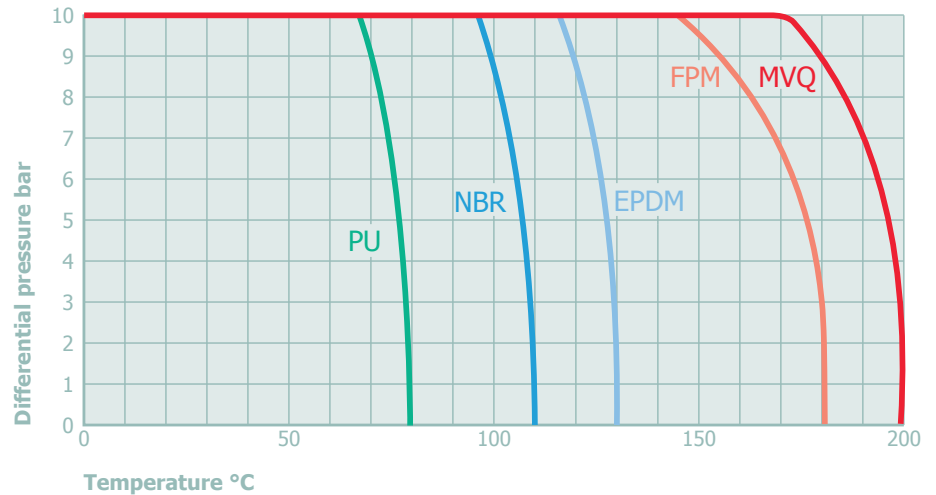
up to  $10^{-2}$  mbar(a)

### Valves DN 50 to DN 500

max. differential pressure 10 bar

### Lug style body

If it is removed from the flange on one side, max. differential pressure = 6 bar



The pressure and temperature range diagram shows the application limits of the different seat ring materials.

Process variables and characteristics of the medium can influence the values of the diagram.

These limits apply to the intended use.

Temperatures below 0 °C upon request.

## Available materials

Code	Body
23	Ductile iron GGG40 / EN-GJS-400-15

Code	Valve disc
66	Stainless steel 1.4408

Code	Valve stem
	Stainless steel 1.4021

Code	Seat ring
E	EPDM
Ew	EPDM white
B	NBR
S	MVQ (silicone)
V	FPM
PU	PU (polyurethane)
ED	EPDM DVGW water
BD	NBR DVGW gas