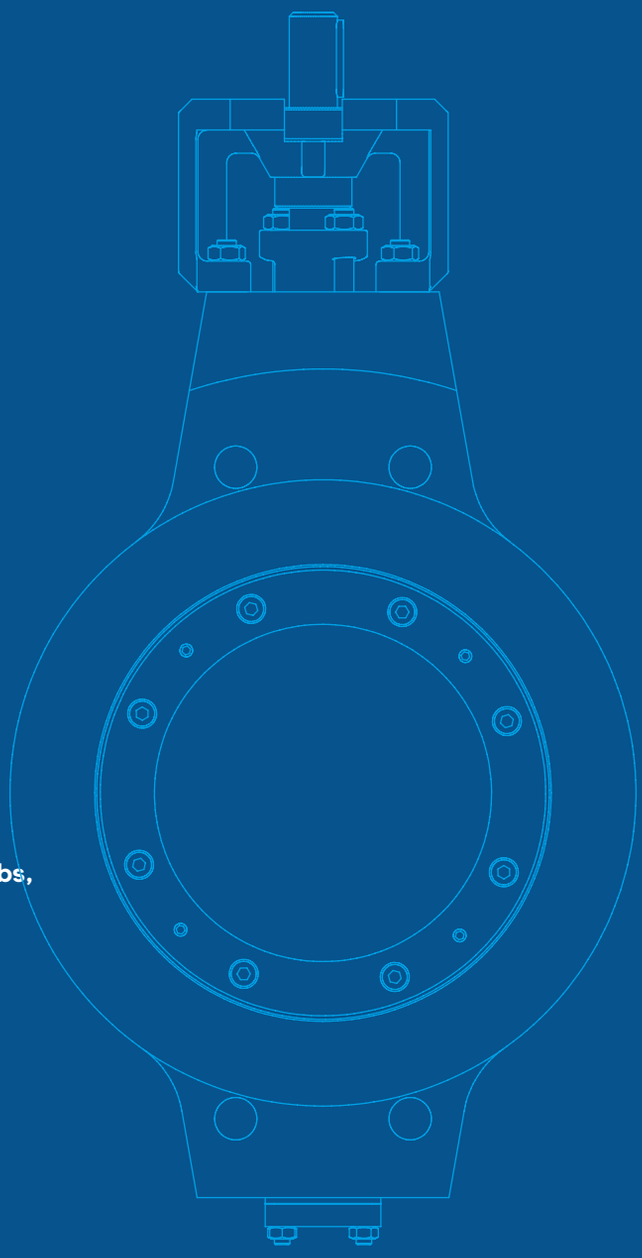
BUTTERFLY VALVE KK



Butterfly valves with double eccentric disc, suitable for applications for the chemical and petrochemical industry, power plants, paper mills, corrosive media, gaseous, and liquid.

- **DN 80 – DN 3600 or 3“ – 144“**
- **Tightness in accordance with EN 12266-1 Class A**
- **Double flanged, wafer type, lug type or butt welding ends**
- **Face-to-face dimensions in accordance with EN 558-1 or factory standard length on request**
- **Pressure rating PN 6 - PN 40 or ANSI 150 lbs - 300 lbs, higher pressure ratings on request**
- **Operating temperature from -10° to +200° C depending on the disc seal**
- **Shaft sealing in accordance with TA-Luft available**

Fields of application

Chemical industry

Power plants

Paper mills

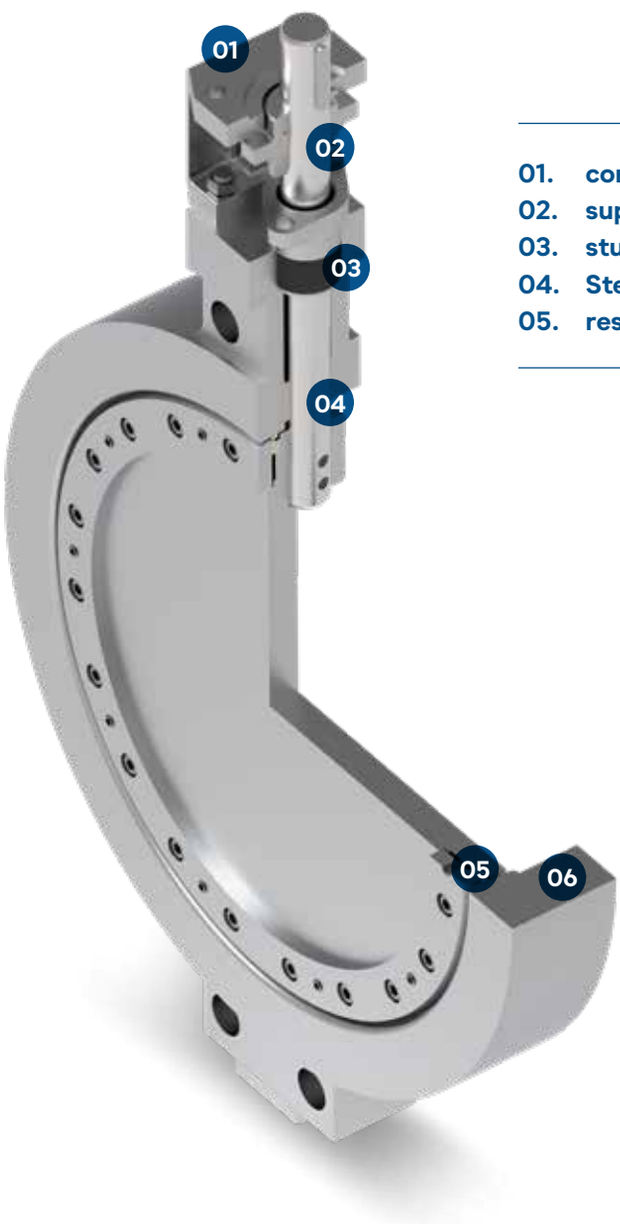
BUTTERFLY VALVE KK SERIES
DESCRIPTION

The butterfly valve type KK offers the following design features:

- Resilient-seated butterfly valve with double eccentric shut-off disc for gas-tight closure in the pipeline.
- High power transmission from the drive to the valve disc by means of a two-piece stub shaft, firmly connected to the disc by means of dowel pins.
- Low maintenance thanks to internal maintenance-free plain bearings.
- High tightness to the outside thanks to the use of an adjustable packing on the drive side. The opposite side is closed with a cover.
- Gas-tight closure of the valve using the tried-and tested-sealing method. The sealing element is an endless profile ring, which is clamped on the edge of the disc so that it can be adjusted. The profile ring is easy to replace.
- Universal method of operating the valve. This can be done manually, pneumatically, hydraulically or electrically. The power transmission of the actuator to the shaft is done with a feather key.
- Actuator adaptation in accordance with DIN/ISO 5211.

BUTTERFLY VALVE KK SERIES
TECHNICAL INFORMATION

Nominal size: DN 80 – DN 3600 or 3“ – 144“
Leakage class: Tightness in accordance with EN 12266-1 Class A
Connection: Double flanged, wafer type, lug type or buttwelding ends
Face-to-face dimensions: in accordance with EN 558-1 or factory standard length on request
Pressure rating: Pressure rating PN 6 - PN 40 or Class 150 - Class 300, higher pressure ratings on request
Application temperature: Depending on the disc seal from -10° to +200° C
Shaft sealing: Available in accordance with TA-Luft



01. connection in accordance with ISO 5211
02. support bearing
03. stuffing box packing
04. Stellite bearing
05. resilient-seated sealing ring

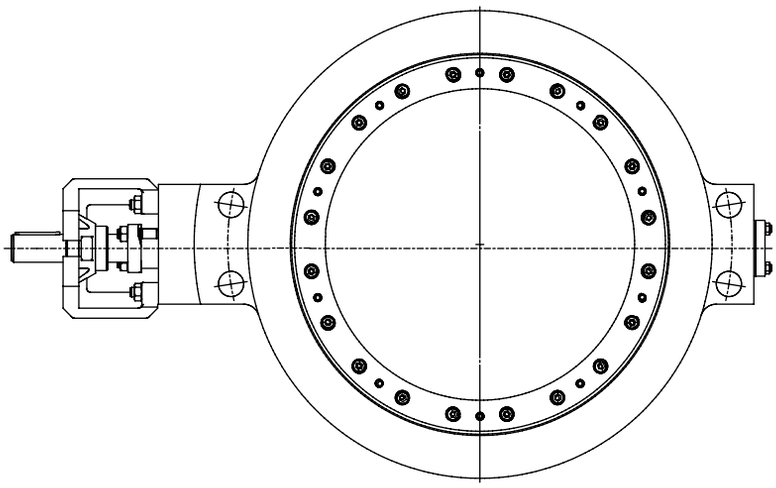
BUTTERFLY VALVE KK SERIES
VERSIONS

Type: KKL double flange

Type: KKA/KKC/KKD wafer.type

Type: KKF LUG Type

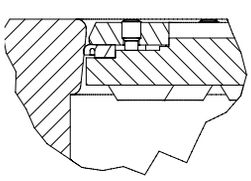
BUTTERFLY VALVE KK SERIES
MATERIALS

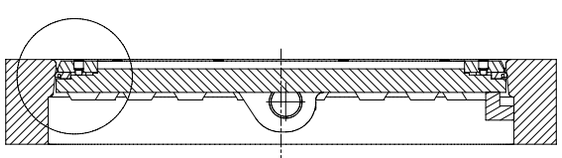


MATERIALS			
Version	**Carbon steel**	**Stainless steel**	**On request**
Body	EN 1.0425/1.0619	EN 1.4571/1.4581	Titanium/Inconel
Disc	EN 1.0425/1.0619	EN 1.4571/1.4581	Acid-resistant materials
Shaft	EN 1.4057	EN 1.4571	EN 1.4571/EN 1.4542
Sealing ring	PTFE	Viton	EPDM/NBR

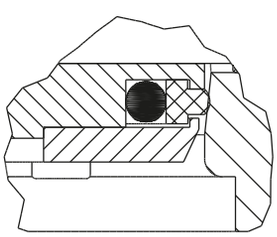
Note:
Other materials on request

→ KK Standard seat

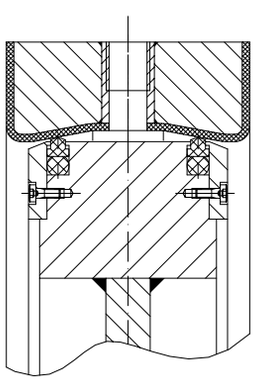




OPTIONAL SEALING SYSTEMS



→ Reinforcement with lower ring



→ Block and Bleed

SEALING RINGS FOR BUTTERFLY VALVES
MATERIALS AND FIELDS OF APPLICATION

NBR (Perbunan) 63 Shore
Fields of application:

- Petrol, mineral oils, propane, butane, diluted inorganic acids and bases, hot water up to +100°C

not applicable:

- aromatic and chlorinated hydrocarbons, esters, polar solvents

Temperature range:

- -10°C to +100°C

FPM (Viton) 65 Shore
Fields of application:

- Mineral oils, aliphatic and aromatic hydrocarbons

Area of application as a periodically cross-linked material:

- Alcohols, hot water and steam

not applicable:

- polar solvents, ketones, amines, hot water and steam

Temperature range:

- -10°C to +200°C

EPDM 65 Shore
Fields of application:

- Hot water, steam, washing lyes, acids, bases, ketones

not applicable:

- aliphatic, aromatic and chlorinated hydrocarbons

Temperature range:

- -10°C bis +130°C

PTFE (Teflon/Hostaflon)
Fields of application:

- Almost all organic and inorganic media

not applicable:

- Liquid alkali metals and special fluorine compounds

Temperaturbereich:

- -270°C to +250°C

Note: Teflon and Viton are registered trademarks of DuPont, Hostaflon is a registered trademark of Hoechst.

Literature reference: Information provided by the plastics processing industry