# BOAX-S/SF

## Butterfly Valve

- Heating systems
- Building services
- Air-conditioning systems
- Drinking water applications
- Data centres
- Ventilation systems

**More information**
www.ksb.com/en-de

# BOAX-S/SF – Butterfly Valve

## Benefits

- **Perfect sealing to atmosphere**
  - Liner developed and manufactured by KSB in France
  - The spherically machined valve disc and the matching spherically moulded liner ensure perfect sealing to atmosphere.
  - Sealing to atmosphere at the flanges is effected by the liner only.
- **Long service life**
  - Only the valve disc and liner are in contact with the fluid handled, therefore no risk of corrosion.
  - Long service life thanks to dry shaft
  - Positive-locking splined connection of shaft and valve disc
  - Self-lubricating bearing or bearing lubricated with silicone-free grease No on-site maintenance required.
  - Blowout-proof shaft and actuating shaft from DN 250 to DN 600
- **High level of safety and reliability**
  - The position of the valve disc can be seen at the square shaft end to ISO 5211.
  - Lockable or lead-sealable LP lever from DN 20 to DN 250
- **Insulation**
  - The extended neck between actuator and valve body enables insulation of the piping.
  - The fluid temperature is kept constant.
  - Non-condensing
  - Thermometer (accuracy class 1) optionally available

## Materials

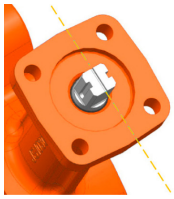
| Component | Material |
|---|---|
| Body | Nodular cast iron |
| Actuating shaft | Stainless steel |
| Valve disc | Nodular cast iron, stainless steel 304 |
| Liner | EPDM (ACS), nitrile |

## Versions available

| Actuator/Automation | Type series |
|---|---|
| Levers | LP |
| Manual gearboxes | MA, MS |
| Pneumatic actuators | - |
| Electric actuators | GS-SA, SQ, AQ, AQL |

## Operating data

| Characteristic | Value | |
|---|---|---|
| | BOAX-S | BOAX-SF |
| Body design | T2 | T4 |
| Nominal pressure | PN 6/10/16 | PN 10/16 |
| Nominal size | DN 20 - 600 | DN 20 - 600 |
| Max. permissible pressure [bar] | 16 | 16 |
| Min. permissible temperature [°C] | ≥ -10 | ≥ -10 |
| Max. permissible temperature [°C] | ≤ +130 | ≤ +130 |
| Temperature with | | |
| ■ XU liner | ■ -10 °C to +130 °C | |
| ■ K liner | ■ -10 °C to +90 °C | |
| Actuation at ΔP | | |
| at ambient temperature | | |
| ■ DN 20-200 | ■ 16 bar max. | |
| ■ DN 250-600 | ■ 10 bar max. | |
| Vacuum operation down to | 0.2 bar absolute | |
| Max. permissible flow velocity at operating pressure | 4 m/s (max.) for water | |
| Flanged ends to EN ISO | PN 6/10/16 | PN 10/16 |
| Downstream dismantling and dead-end service | Permissible | |
| Shaft end | DN < 300 = flat end and square end<br>DN ≥ 350 = square end ISO 5211 | |



## Combination options

Lever | Manual gearboxes | Electric actuators



**KSB SE & Co. KGaA**
Johann-Klein-Straße 9 • 67227 Frankenthal (Germany)
Tel. +49 6233 86-0
www.ksb.com