

SÜDMO BV PERFORM

Hygienic Shut-off Valves

A Reliable & Cost-efficient Solution For Your Standard Liquid Processing Tasks

CHALLENGE

In hygienic production, you need valves that close securely, last longer, and are easy to clean. Frequent seal replacements and complex maintenance can lead to downtime and higher costs. BV Perform solves these challenges with a robust design that's simple to maintain and built for reliability.

SOLUTION

Its low-friction design reduces seal stress, while a special seal geometry with an expansion groove minimizes wear for longer production cycles.

All product-contact components are easy to clean, and seals can be replaced quickly without special tools. BV Perform is available with a manual lever or pneumatic actuator and can be easily upgraded with the IntelliTop 2.0 feedback unit for reliable position monitoring.

APPLICATION

Shut-off of liquids at e.g. Distribution panels, receiving stations or containers in numerous areas of application in the beverage and food industry, dairies, as well as in pharmaceutical and cosmetic companies.



**BUTTERFLY VALVE
BV PERFORM**
with pneumatic drive
and IntelliTop 2.0
Control Head

**BUTTERFLY VALVE
BV PERFORM**
with steel hand lever

FEATURES

BUTTERFLY DISK

- Solid forged disk.
- High load capacity in the event of pressure surges.
- Low friction due to optimal centering and guidance by means of plain bearings.

BUTTERFLY SEAL

- Special sealing geometry ensures long service life.
- Quick identification of nominal diameter and material by marking the seal.
- All sealing materials are compliant with the current directives (e.g. FDA, EC 1935/2004).

BUTTERFLY HOUSING

- Large number of connection variants.
- Marking of material, nominal diameter and pressure rating.
- Housing production with acceptance test certificate according to DIN EN ISO 10204 – 3.1 (APZ).

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TECHNICAL DATA

MATERIAL

Product contact area

- 1.4404 (AISI 316L)

Non-product-contact surfaces

- 1.4307 (AISI 304 L)

Seals

- EPDM

Compliances: FDA 21 CFR 177.2600, 3A, USP Class VI, Regulation (EC) No. 1935/2004 and GB 4806.11

Other sealing materials:

- FKM
- HNBR
- PTFE/EPDM
- VMQ

OPERATING TEMPERATURES

for EPDM seals

- 130 °C (266 °F) continuous
- 150 °C (300 °F) for a short time (steam sterilization)

PRESSURES

Control air pressure

- Standard 6 bar (87 psi) – 8 bar (116 psi)

Operating pressure

- 10 bar (145 psi) for EPDM, HNBR, FKM, VMQ
- 6 bar (87 psi) for PTFE

SURFACES

Product contact

- $Ra \leq 0.8 \mu m$

Non-product contact

- $Ra \leq 1.6 \mu m$

CONNECTIONS

Pipe dimensions according to

- DIN 11850 Series 2 (DIN 11866 Series A)
- ASTM A270 (ASME BPE-2009 / DIN 11866 Series C)

AVAILABLE CONNECTIONS

- 2 x Male
- Male / Nut + Liner
- 2 x Welding Ends
- Male / Welding End
- Wafer Style
- 2 x Tri-clamp

AVAILABLE DRIVE VARIANTS

Manual

- Hand lever (standard)
- Hand lever (for 2x M12 sensors)
- Hand lever (continuously lockable)
- Hand lever (lockable)

Pneumatic Actuator

- Rotary actuator with return spring: air-opening-spring-closing or spring-opening-air-closing (convertible)
- Rotary actuator without return spring: air-opening-air-closing

AVAILABLE FEEDBACK SYSTEMS

- Proximity Switches
- IntelliTop 2.0

Find More Information And
The Right Valve For Your Needs

VISIT MYSÜDMO -
THE HYGIENIC
PROCESS VALVE
CONFIGURATOR



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