

# RZN/RZI



Check valve RZN



Check valve RZI

## Complete pump protection in sophisticated areas

Our RZN and RZI check valves offer proven pump protection for applications with liquid media. The individually adjustable damping system enables the butterfly valve to perform shock-free checking, even in critical areas.

Our RZN and RZI butterfly valves feature first-class hydrodynamic characteristics, low pressure losses and the individually adaptable damping system. The closing characteristics of the butterfly valve can be optimally adjusted to suit the needs of each system with the help of the damping system. The RZN and RZI models can also be simply readjusted to adapt to new requirements if changes are made to the system at any point in the future.

## Long service life

The compact design of the RZN check valve even makes it possible to operate in very limited spaces. The valve is robust and long lasting and can also be fitted with soft seals in a metallic seat or strip-metal seals for use at higher temperatures. Based on the same proven design, the RZI was developed for pipe dimensions over 1,000 millimetres. The damping system has been adapted to suit the greater forces.

## Range of applications

The RZN and RZI check valves are ideally suited for protecting pumps for liquid media. The high flexibility of material and seal models enables the valves to be used in a wide variety of applications. For example, a seawater model is available in stainless steel and with a hard rubber lining.

## A summary of the benefits

- Complete pump protection
- Controlled, shock-free closing
- Low pressure loss
- Progressive sealing
- Individually adjustable damping system
- Automatic mode of action
- Additional screw retention
- Subsequent installation of counterweight possible

### Facts & Figures RZN

#### NPS

RZN: DN 150 / 6 inches up to DN 1000 m / 40 inches

#### Temperature range

-50 °C / -58 °F up to 200 °C / 392 °F

#### Pressure Class

PN 10/16/25/40/64  
ANSI 150/300/600

#### Construction lengths in accordance with

ISO 5752 BS 14 (F4)

Custom-made construction lengths on request

#### Valves designed in accordance with international standards, e. g.

AD technical instructions, ANSI, API, ASME, ATEX, BS, DGRL, DIN EN / ISO, GOST, KTA, MSS, RCC-M

#### Operation

Automatically closing and adjustable hydraulically damped

### Facts & Figures RZI

#### NPS

DN 500 / 20 inches up to DN 3000 / 120 inches

#### Temperature range

-50 °C / -58 °F up to 200 °C / 392 °F

#### Pressure Class

PN 2.5/6/10/16/25/40  
ANSI 150/300

#### Construction lengths in accordance with

ISO 5752 BS 14 (F4)

Custom-made construction lengths on request

#### Valves designed in accordance with international standards, e. g.

AD technical instructions, ANSI, API, ASME, ATEX, BS, DGRL, DIN EN / ISO, GOST, KTA, MSS, RCC-M

#### Operation

Automatically closing and adjustable hydraulically damped