



Electrically operated solenoid valve GEMÜ J70

Areas of application

- Pharmaceutical, biotechnology and cosmetics industries
- Foodstuffs and beverages
- Chemical processes
- Power generation and environmental systems
- Mechanical engineering and processing industries

Features

- Precise dosing possible
- Good cleanability
- Hermetic separation between medium and actuator
- The coil can be replaced without removing the valve body from the piping
- Suitable for vacuum applications

Description

The compact GEMÜ J70 2/2-way solenoid valve is electrically operated and is ideal for dosing and analysis applications. The hermetic sealing between the medium and the actuator is ensured via a highly resistant plug diaphragm (PD) made of PTFE. The metal actuator is also available with a plastic housing.

Technical specifications

- **Media temperature:**
-10 to 90 °C
- **Ambient temperature:**
-10 to 40 °C
- **Operating pressure:**
0 to 6 bar
- **Nominal size:**
DN 8
- **Body materials:**
1.4404
- **Supply voltage::**
24 V DC

Data depends on the respective configuration – see datasheet or product selection tool

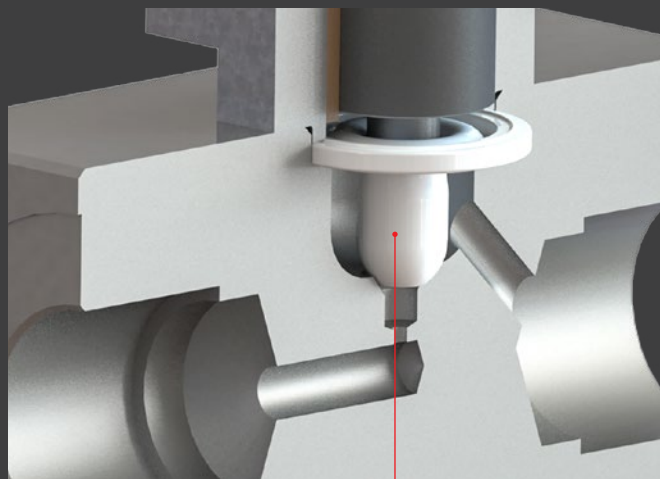


PD technology

With the PD (plug diaphragm) technology, the media wetted area is separated from the actuator by a plug diaphragm made from modified PTFE. PTFE is composed of linear, extremely long carbon chains which are surrounded exclusively by fluorine atoms. They spatially shield the carbon atoms, thereby protecting the molecule from chemical attack – even at higher temperatures.

Advantages

- Unique sealing concept with highly resistant plug diaphragm (PD) made from PTFE (TFM™)
- Hermetic separation of the actuator from the media flow
- Significantly reduced dead spaces
- Effective cleanability



Plug diaphragm (PD)

