



## Diaphragm valve with integrated diaphragm protection GEMÜ 616

### Areas of application

- Pharmaceutical, biotechnology and cosmetics industries
- Foodstuffs and beverages
- Water treatment
- CIP/SIP processes

### Features

- Integrated diaphragm protection thanks to special compression springs
- Autoclavable
- Optional flow direction
- Suitable for inert and corrosive liquid and gaseous media
- Insensitive to particulate media
- Installation for optimized draining is possible
- Sealed actuator version optionally available

## Description

The GEMÜ 616 2/2-way diaphragm valve is designed for use in sterile applications. The compression springs installed in the actuator close the valve with consistent force, regardless of the manual force applied. This extends the service life of the diaphragm. Setting a seal adjuster is no longer required.

## Technical specifications

- Media temperature:  
-10 to 100 °C
- Sterilization temperature:  
max. 150 °C
- Ambient temperature\*:  
0 to 60 °C
- Operating pressure\*:  
0 to 10 bar
- Nominal sizes\*:  
DN 4 to DN 20
- Body configuration:  
2/2-way body | T body | Welding configuration | i-body | Multi-port body | Tank valve body
- Connection types:  
Clamp | Threaded connection | Spigot
- Connection standards:  
ANSI | ASME | BS | DIN | EN | ISO | JIS
- Body materials:  
1.4408, investment casting material  
1.4435 (316L), investment casting material  
1.4435 (316L), forged material  
1.4435 (BN2), forged material  
1.4539 (904L), forged material
- Diaphragm materials:  
EPDM | FKM | PTFE/EPDM
- Conformities\*:  
BSE/TSE | FDA | TA Luft | USP |  
Regulation (EC) No. 1935/2004 | Regulation (EC)  
No. 2023/2006 | Regulation (EU) No. 10/2011

\* Depending on version and/or operating parameters

