



Pneumatically operated stainless steel diaphragm valve with two-stage actuator GEMÜ 658

Areas of application

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

Features

- An adjusting screw in the actuator also enables, in addition to the normal setting of the opening and closing function, the setting of a partial stroke (for reduced volumetric flow)
- Both fast Open/Close function and precision dosing of the working medium possible
- Compact design (ideal when space is at a premium)
- Querying possible via proximity switches (option) (from diaphragm size 25)
- CIP/SIP capable
- Version according to ATEX on request

Description

The GEMÜ 658 2/2-way diaphragm valve has a two-stage actuator. In addition to full stroke, a partial stroke can be set via two pistons working independently of each other.

All actuator parts including closing springs (except seals) are made from stainless steel. It is available with a Normally Closed control function. An opening stroke limiter for setting the partial stroke is integrated as standard.

Technical data

- **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 10 to 65
- **Connection types:**
Clamp | Flange | Spigot |
Threaded connection
- **Connection standards:**
ANSI | ASME | BS | DIN | EN | ISO | JIS | SMS
- **Body materials:**
1.4408, investment casting material |
1.4435 (316L), forged material |
1.4435 (BN2), forged material |
1.4435, investment casting material |
1.4539 (904L), forged material
- **Diaphragm materials:**
EPDM | FKM | PTFE/EPDM
- **Conformities*:**
3A | BSE/TSE | CRN | EAC | EHEDG | FDA |
Oxygen | Reg. (EU) No. 10/2011 |
Regulation (EC) No. 1935/2004 |
Regulation (EC) No. 2023/2006 |
TA Luft (German Clean Air Act) | USP

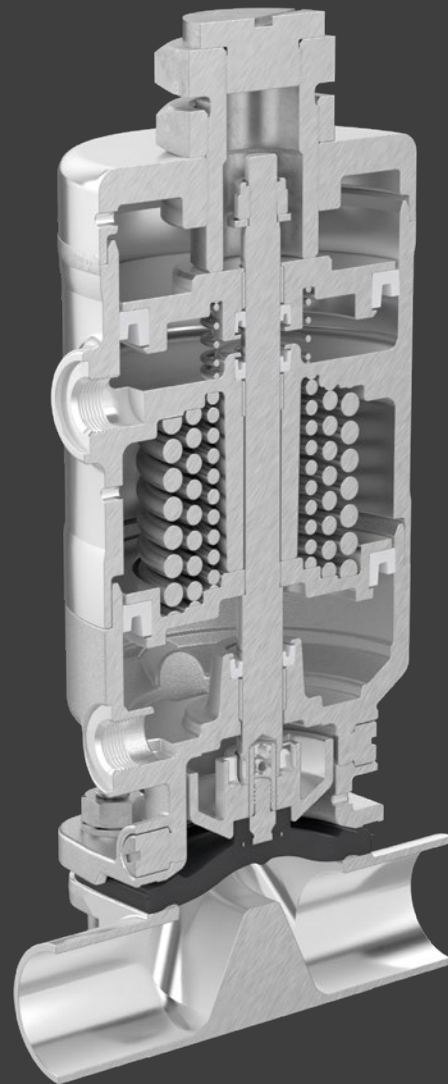
* depending on version and/or operating parameters

Applications

Filling containers accurately:

Thanks to the two-stage actuator on the GEMÜ 658, you can fill a container at two different speeds in an efficient and controlled manner. First, the high volumetric flow quickly fills the base of the container.

Thanks to the valve's adjustable partial stroke, you can then use the low flow speed to fill the container to the desired amount with high accuracy.



Sectional view of GEMÜ 658