



GEMÜ 688



GEMÜ 658

Stainless steel diaphragm valves GEMÜ 658/688

Areas of application

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

Features

- Additional partial stroke adjustment facility (reduced volumetric flow) thanks to individually controlled second piston
- Hermetic separation between medium and actuator
- CIP and SIP capable
- Extensive range of accessories (e.g. proximity switches on GEMÜ 688, pilot valves, etc.)
- ATEX version on request

Description

The GEMÜ 658/688 2/2-way or multi-port metal diaphragm valve has a two-stage actuator. The actuator has a stainless steel housing and is controlled by two pistons working independently of each other. The valve opens fully when only the lower part of the actuator is actuated. By contrast, the upper part of the actuator's stroke can easily be limited to anything between 0% and 100% using the stroke limiter. When using a stroke limiter, the medium is therefore released only partially via the piston.

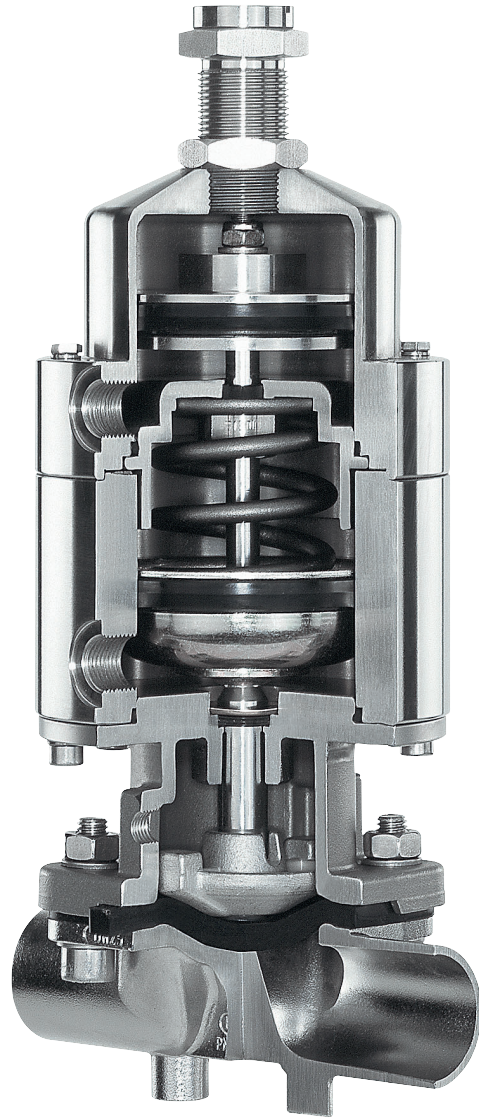
Technical specifications

- Nominal sizes:
GEMÜ 658: DN 10 to 20
(diaphragm size 10)
GEMÜ 688: DN 15 to 50
(diaphragm sizes 25 to 50)
- Connections:
Butt weld spigots, clamp connections,
threaded connections
- Body materials:
1.4435 (investment cast and forged bodies,
block material)
- Media temperature:
-10 to 100 °C
- Operating pressure*:
0 to 10 bar

* depending on version and/or operating parameters

Application

Filling containers accurately: Thanks to the two-stage actuator on the GEMÜ 658 and GEMÜ 688, you can fill containers 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
688 with investment cast
body

