



GEMÜ M75

GEMÜ M75 process solenoid valve

Areas of application

- Industrial water treatment
- Chemical processes
- Surface finishing
- Power generation and environmental systems
- Mechanical engineering and processing industries

Features

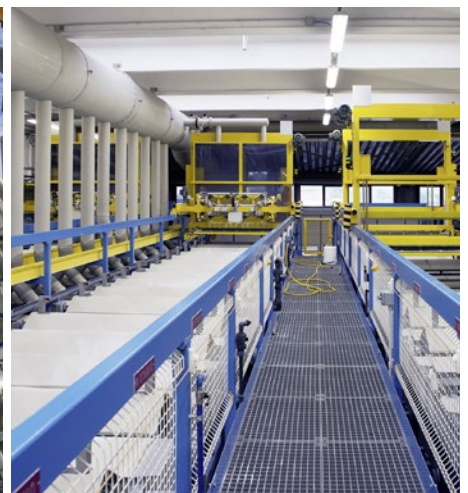
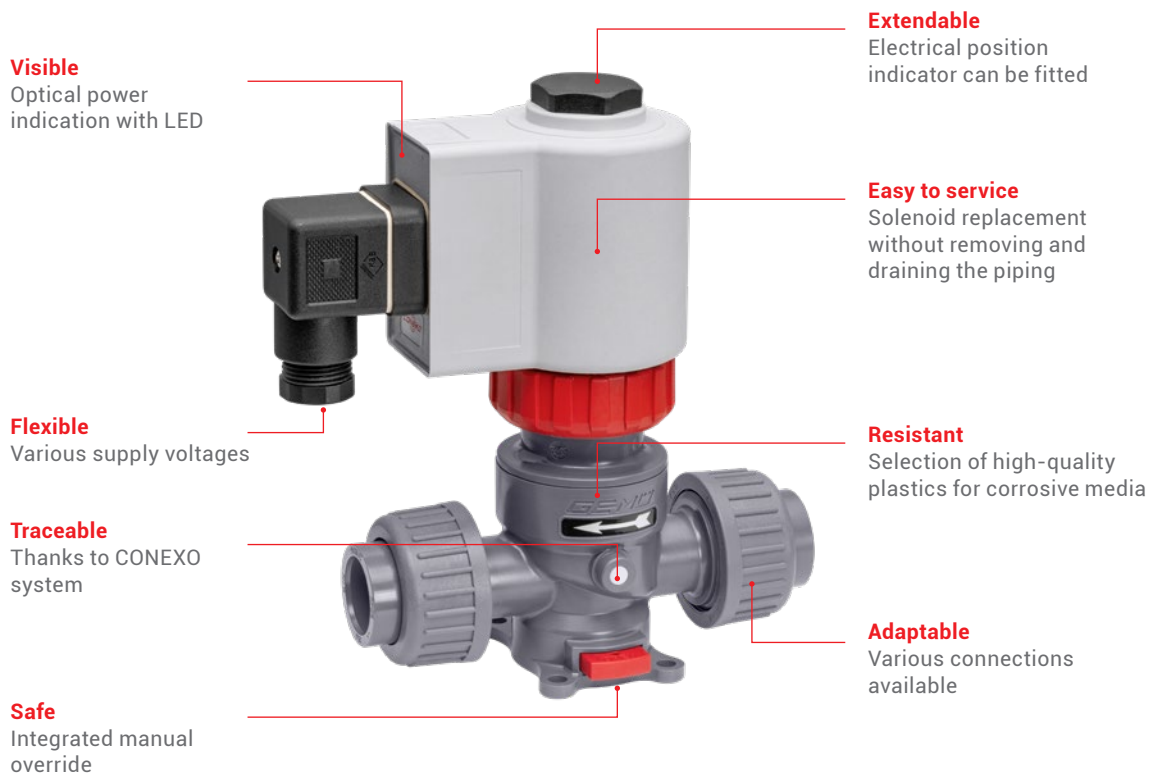
- Compact design across all nominal sizes
- The coil can be replaced without removing the valve body from the piping
- Hermetic separation between medium and actuator
- Optimum compatibility with media due to selection of high-quality materials
- Operation possible by manual override in case of power failure
- RFID chip integrated as standard

GEMÜ M75 process solenoid valve

The directly controlled process solenoid valve with complete pressure compensation is suitable for Open/Close applications. An innovative double bellows system makes it possible to compensate pressure forces. As a result, the valve with the very compact coil can be used for processes with an operating pressure of up to 6 bar in all nominal sizes.

The fast operating times make the GEMÜ M75 particularly suitable for dosing applications in the following areas of application:

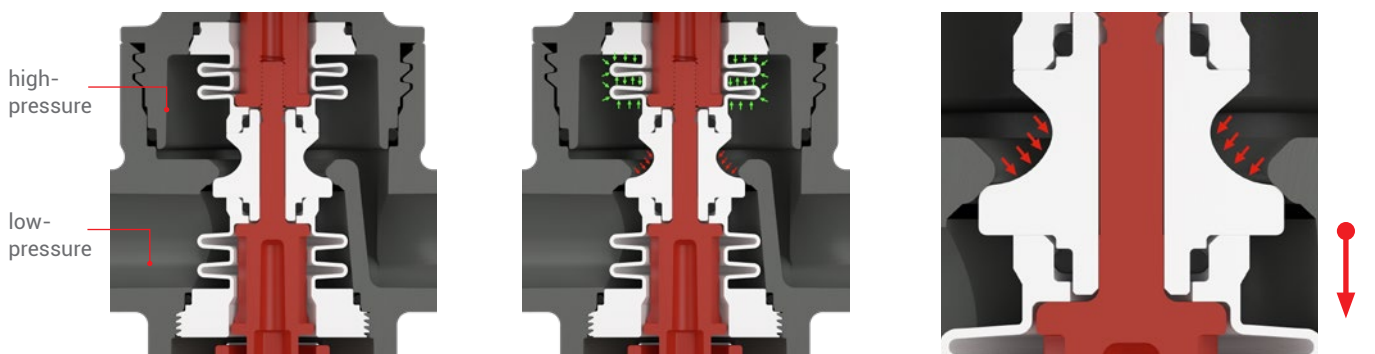
- Water treatment
- Washing and cleaning installations
- Chemical industry
- Electroplating



Technical specifications

Media temperature:	-20 to 100 °C
Ambient temperature:	-20 to 60 °C
Operating pressure:	0 to 6 bar
Nominal sizes:	DN 8 to 20
Connection types:	Union end Thread Solvent cement socket Spigot
Connection standards:	DIN
Body materials:	PP PVC PVDF
Supply voltages:	24 V DC 20–48 V AC/DC 110–230 V AC/DC
Conformity:	UL

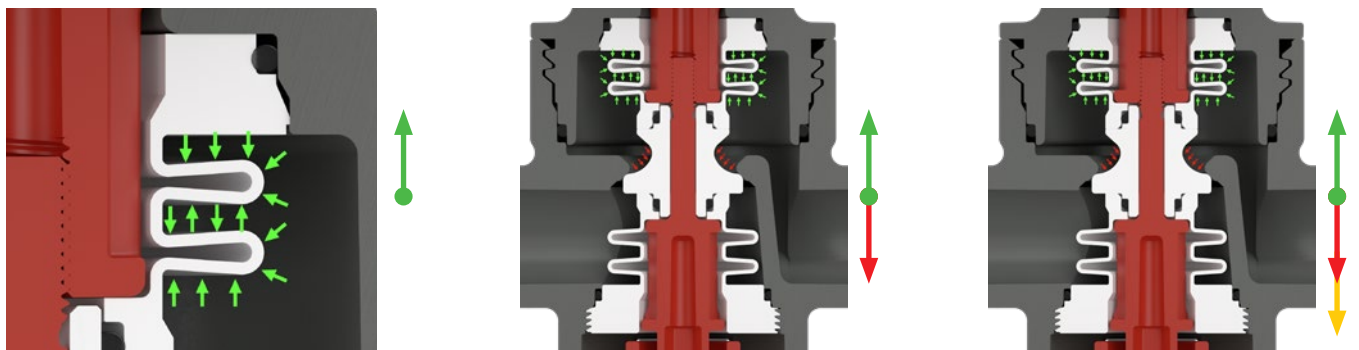
Pressure compensation with innovative bellows system



1. It can be assumed that the pressure during operation is greater on the high-pressure side than on the low-pressure side.

2. The operating pressure is present at the throttle element (red arrows) and at the bellows (green arrows).

3. The pressure at the throttle element (red arrows) results in an overall downwards tensile force.



4. The pressure at the bellows (green arrows) causes dents in the creases. The bellows shortens overall, resulting in an upwards tensile force.

5. The two forces are balanced, keeping the throttle element in position (pressure compensation).

6. The throttle element can be moved downwards with externally introduced magnetic force, causing the valve to open.

Electromagnetic valves



GEMÜ 82XX
Electromagnetic actuator for valves in applications with inert media

Motorized valves



GEMÜ eSyLite
Basic actuator for valves in simple Open/Close applications



GEMÜ eSyStep
Universal actuator for valves in Open/Close and simple control applications



GEMÜ eSyDrive
Premium actuator for valves in variable and complex Open/Close and control applications



GEMÜ servoDrive
High-performance actuator for valves in applications with high requirements for accuracy and speed