



GEMÜ Q30



GEMÜ Q40



GEMÜ Q50 eSyStep



GEMÜ Q51

GEMÜ Q30, Q40, Q50 eSyStep and Q51 Single-Use pinch valves

Areas of application

- Pharmaceutical, biotechnology and cosmetics industries
- Foodstuffs and beverages

Features

- Fast, safe tube replacement
- Simple replacement of inserts and compressors for various tube sizes with the same actuator
- High quality and long service life
- Minimized strain on the tube thanks to the optimized compressor
- Several actuator and body configurations available

Single-Use pinch valves

The new GEMÜ Q30, Q40, Q50 eSyStep and Q51 Single-Use pinch valves are distinguished by their intuitive, safe operation as well as their high quality and service life.

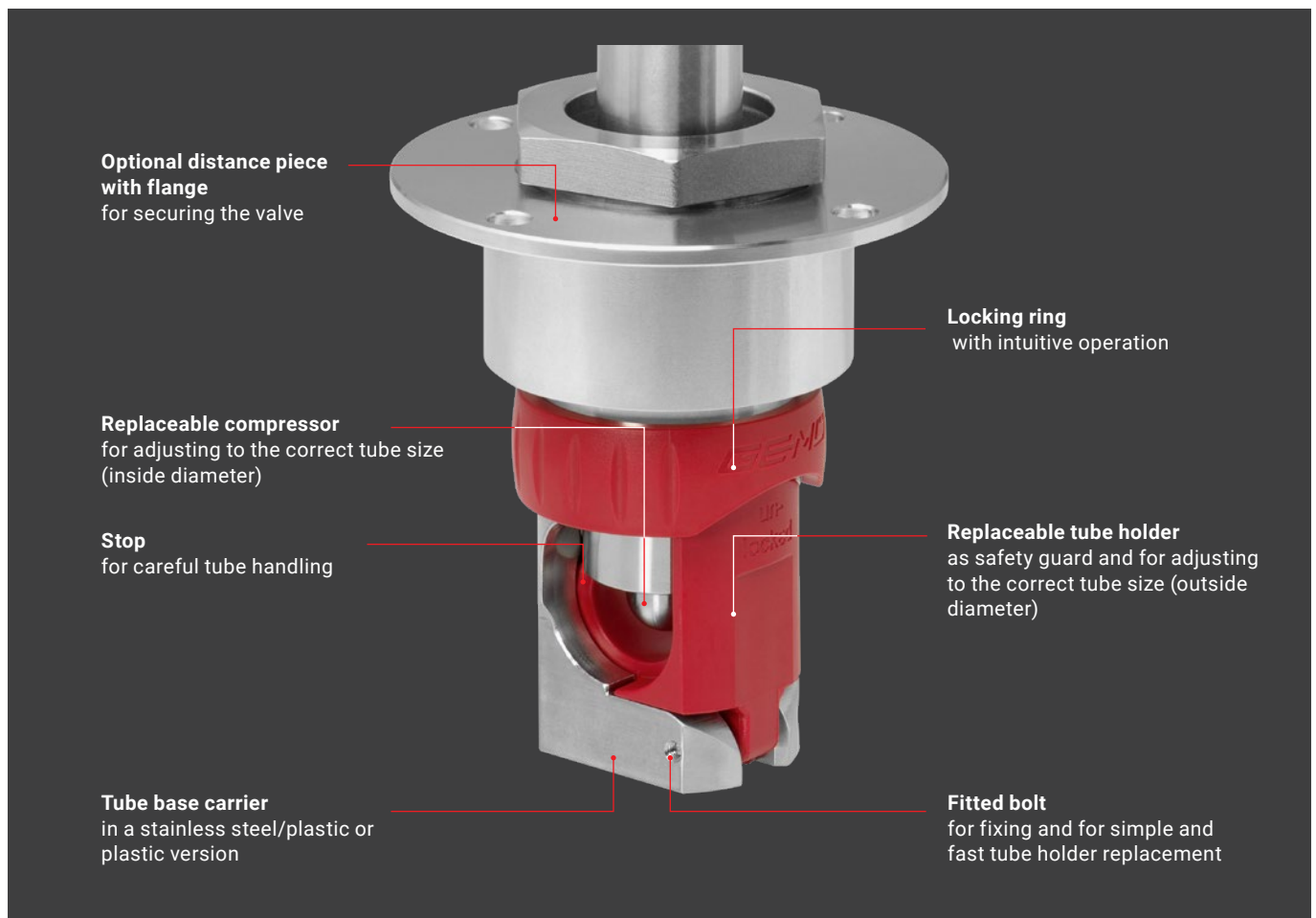
The valves guide a tube which is compressed from above by a compressor to control and regulate media. Due to the specially developed contour of the compressor, the strain on the tube is minimized and thus the service life of the tubes is increased.

Tubes can be safely inserted and removed in simple steps and without tools. Various tube holders and compressors are available for replacing the tube size, which can be quickly achieved without having to remove the valve or the actuator. The tube holder also serves as a safety guard and secures the tube in the process.

Thanks to an optionally available flange plate with collar, panel mounting in the cleanroom is possible.

Thanks to the different actuator systems and tube base carrier materials, we can respond to your requirements so that the valves can be used in the most varied applications. This includes the following processes, among others:

- Chromatography
- Media mixing
- Fermentation
- Cell harvesting
- Filtration



Technical details

pneumatically operated pinch valves

GEMÜ Q30

Tube sizes:	ID 1/8" / AD 1/4" ID 1/8" / AD 3/8" ID 1/4" / AD 3/8" ID 1/4" / AD 7/16" ID 1/4" / AD 1/2" ID 3/8" / AD 5/8" ID 1/2" / AD 3/4" ID 1/2" / AD 7/8" ID 3/4" / AD 1 1/8" – 1 1/4" ID 1" / AD 1 2/5" – 1 1/2"
Media temperature:	Please observe the tube manufacturer's specifications
Operating pressure:	Please observe the tube manufacturer's specifications
Special feature:	Positioners and process controllers optionally available
Housing material:	Plastic
Body material:	Stainless steel / Plastic or Plastic version
Control function:	Normally Open Normally Closed



GEMÜ Q40

Tube sizes:	ID 1/8" / AD 1/4" ID 1/8" / AD 3/8" ID 1/4" / AD 3/8" ID 1/4" / AD 7/16" ID 1/4" / AD 1/2" ID 3/8" / AD 5/8" ID 1/2" / AD 3/4" ID 1/2" / AD 7/8" ID 3/4" / AD 1 1/8" – 1 1/4" ID 1" / AD 1 2/5" – 1 1/2"
Media temperature:	Please observe the tube manufacturer's specifications
Operating pressure:	Please observe the tube manufacturer's specifications
Special feature:	Positioners and process controllers optionally available
Housing material:	Metal
Body material:	Stainless steel / Plastic or Plastic version
Control function:	Normally Open Normally Closed



Technical details

motorized pinch valves

GEMÜ Q50

Tube sizes:	ID 1/8" / AD 1/4" ID 1/8" / AD 3/8" ID 1/4" / AD 3/8" ID 1/4" / AD 7/16" ID 1/4" / AD 1/2" ID 3/8" / AD 5/8" ID 1/2" / AD 3/4" ID 1/2" / AD 7/8"
Media temperature:	Please observe the tube manufacturer's specifications
Operating pressure:	Please observe the tube manufacturer's specifications
Special feature:	• Open/close function or with integrated positioner • On-site or remote end position programming via programming input • Can be parametrized using IO-Link
Housing material:	Metal
Body material:	Stainless steel / Plastic or Plastic version
Supply voltage:	24 V DC
Actuating speed:	max. 3 mm/s
Protection class:	IP 65



GEMÜ Q51

Tube sizes:	ID 1/8" / AD 1/4" ID 1/8" / AD 3/8" ID 1/4" / AD 3/8" ID 1/4" / AD 7/16" ID 1/4" / AD 1/2"
Media temperature:	Please observe the tube manufacturer's specifications
Operating pressure:	Please observe the tube manufacturer's specifications
Special feature:	• Position indicator for precision control applications • Compact design
Housing material:	Plastic
Body material:	Stainless steel/Plastic version
Supply voltage:	24 V DC
Actuating speed:	max. 2 mm/s
Protection class:	IP 65



Other Single-Use valves

GEMÜ SUMONDO diaphragm valves

In addition to the Single-Use pinch valves, the GEMÜ product range also comprises diaphragm valves with manual, pneumatic or motorized actuators.

The Single-Use valve body is disconnected from the actuator and disposed of after it is used once.

In contrast, the actuator remains in the plant for multiple use.



GEMÜ SUMONDO with
GEMÜ SUHK manual actuator



GEMÜ SUMONDO with
GEMÜ SU40 pneumatic actuator



GEMÜ SUMONDO with
GEMÜ SU60 motorized actuator