

# Shut-off valves MV3-E



MV3-DV-H-E-NPTF1/4



MV3-DV-PN25/100/300-E-NPTF1/4

## Product features

- Stainless steel valves for manual or automatic (pneumatic) shut-off
- For corrosive gases and gas mixtures up to qualität 6.0
- Diaphragm metal-to-metal sealed to atmosphere
- In- and outlet filter
- Suitable for pressures up to 300 bar
- Ergonomically designed
- New laboratory-style design
- Compact design
- Manual valve with position indicator
  
- Pneumatic actuator optional for line pressure 25, 100, 200 and 300 bar
- Optional with inductive proximity switch
- Variable installation position

## Technical data

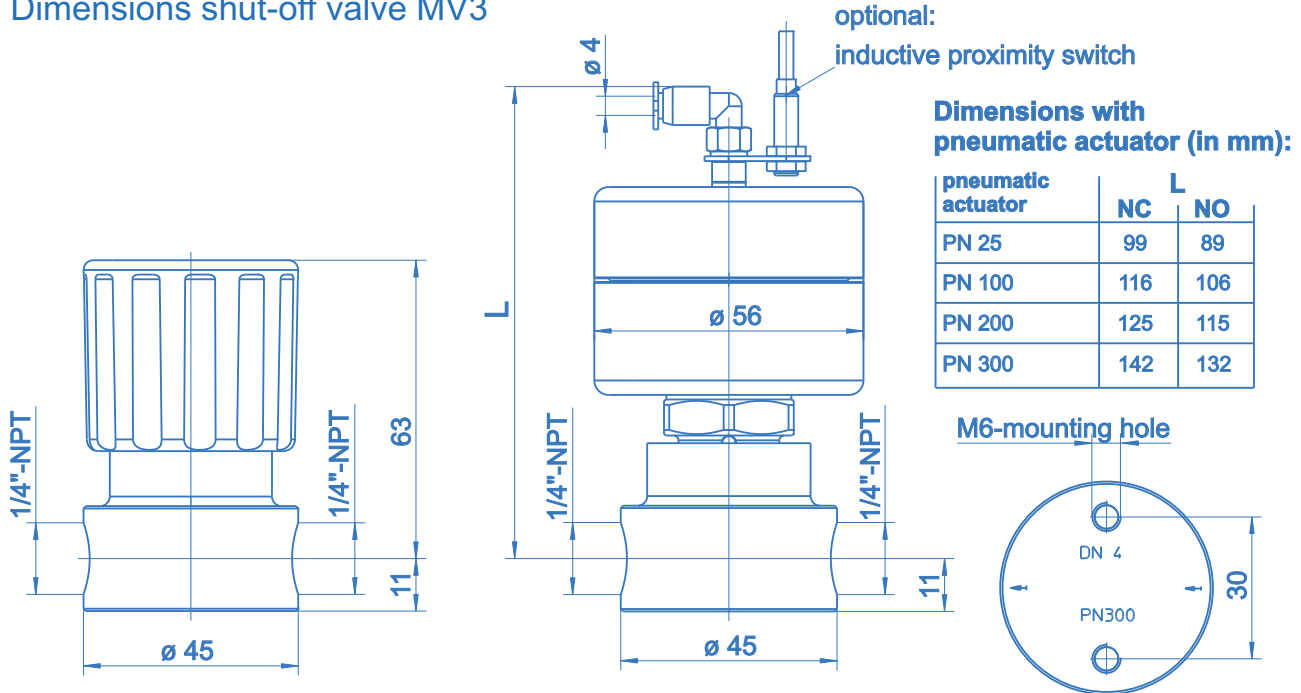
<b>Operating pressure</b>	max. 300 bar
<b>Nominal diameter</b>	4 mm
<b>Materials</b>	
Body:	stainless steel 316L
Diaphragm:	Hastelloy C276
Valve seat:	PVDF
Filter:	stainless steel 316L
<b>Inlet</b>	1/4"-NPT female
<b>Outlet</b>	1/4"-NPT female
<b>Leak rate</b>	$<10^{-8}$ mbar l/s He
<b>Weight</b>	0,5 kg
<b>c<sub>v</sub>-value</b>	c <sub>v</sub> = 0,33

## Technical data pneumatic actuators

<b>Actuator pressure:</b>	6 to 8 bar
<b>Actuator connector:</b>	for hose Ø 4mm
<b>Pneumatic function:</b>	- normally closed (NC) - normally open (NO)
<b>Option:</b>	- inductive proximity switch

Fully functional under vacuum

## Dimensions shut-off valve MV3



## Ordering information: MV3-E series valves

**MV3 - DV - H - E - NPTF1/4**

### Type

DV - globe valve (2 ports)

Other types upon request

### Valve

H - manual valve

PN... - pneumatic actuator PN 25/100/200/300

PNI... - pneumatic actuator PN 25/100/200/300  
with inductive proximity switch

N... - pneumatic actuator NO / NC

### Specifications

- SPECTROCEM - components guarantee maximum quality by using high grade materials and a quality assurance program acc. to ISO 9001.
- All components which come into contact with the medium are cleaned in an ultrasonic cleaning system (CFC-free) with the special cleaning process SPECTRO-CLEAN® and are then baked out.
- SPECTROCEM - components undergo a 100% Helium-leak-test.

### Important note regarding component selection

- In order to assure safe operation it is essential to take the configuration of the whole system into account when selecting a component.
- The function of the component, the compatibility of the materials, correlating temperature ranges, correct installation, operation and maintenance in accordance with the relevant regulations are the responsibility of the system designer and the user.