

# Shut-off valves MV3-M

spectro lab



MV3-DV-H-M-NPTF1/4



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

## Product features

- Brass valves for manual or automatic (pneumatic) shut-off
- For non 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
- Fully functional under vacuum
- 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

**Operating pressure** max. 300 bar

**Nominal diameter** 4 mm

### **Materials**

Body: chrome-plated brass

Diaphragm: Hastelloy C276

Valve seat: PVDF

Filter: sintered bronze

**Inlet** 1/4"-NPT female

**Outlet** 1/4"-NPT female

**Temperature range** -30°C to +60°C

**Leak rate**  $<10^{-8}$  mbar l/s He

**Weight** 0,5 kg

**c<sub>v</sub>-value** c<sub>v</sub> = 0,33 / 0,09\*

\* with filter (must be installed for the use of oxygen)

## Technical data pneumatic actuators

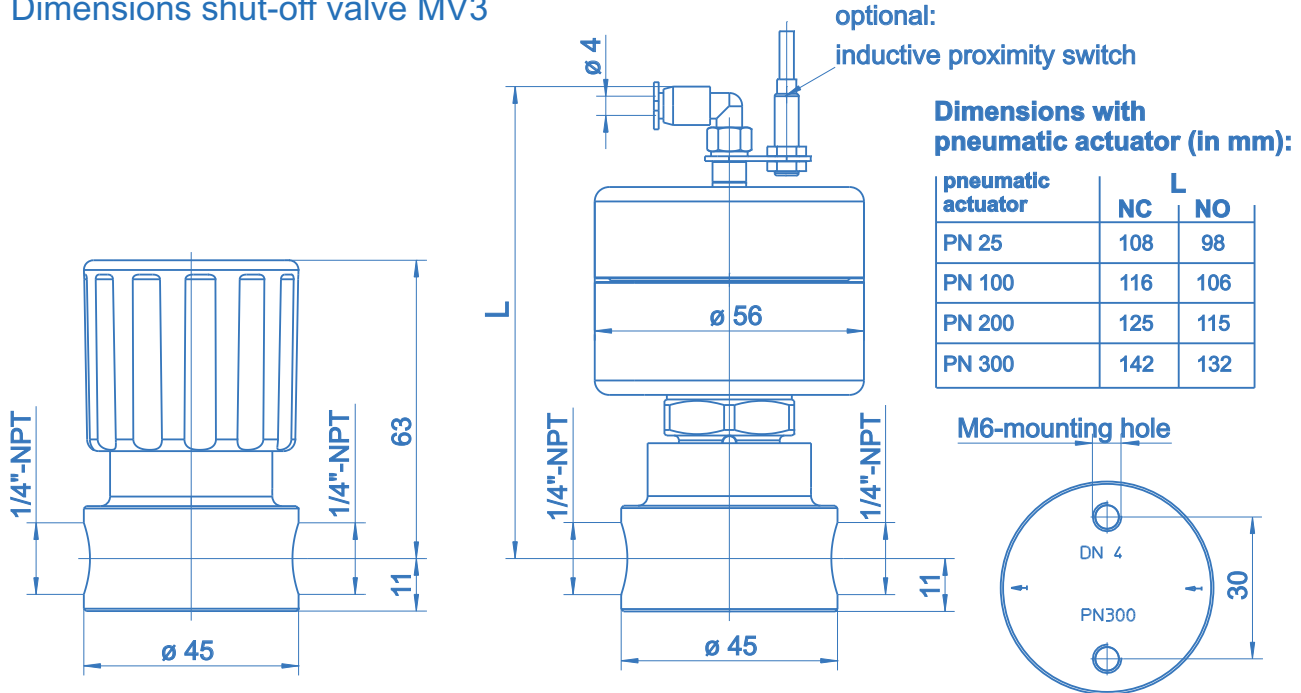
**Actuator pressure:** 6 to 8 bar

**Actuator connector:** for hose Ø 4mm

**Pneumatic function:** - normally closed (NC)  
- normally open (NO)

**Option:** - inductive proximity switch

## Dimensions shut-off valve MV3



## Ordering information: MV3-M series valves

**MV3 - DV - H - M - 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

- SPECTROLAB - 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.
- SPECTROLAB - 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.