

# Diaphragm shut-off valves DVE



DVE-8 / DVE-13 / DVE-19

## Product features

- Stainless steel diaphragm valves for manual shut-off
- For corrosive, toxic gases and gas mixtures up to quality 6.0
- Diaphragm metal-to-metal sealed to atmosphere
- Laboratory style design
- Ergonomically designed
- Suitable for up to 40 bar pressure
- Approved for use with oxygen
- Fully functional under vacuum
- DVE-8 optional with position indicator
- DVE-8 optional with pneumatic actuator PN100

## Technical data

|                            |                                               |
|----------------------------|-----------------------------------------------|
| <b>Operating pressure</b>  | DN8, DN13: max. 40 bar<br>DN19: max. 25 bar   |
| <b>Seat diameter</b>       | 8 / 13 / 19 mm                                |
| <b>Materials</b>           |                                               |
| Body:                      | Stainless steel 1.4404                        |
| Diaphragm:                 | DN8: SS 1.4571<br>DN13/19: SS 1.4310          |
| Valve seat:                | PCTFE                                         |
| <b>In- / Outlet</b>        | Female thread or stainless steel welding stub |
| <b>Temperature range</b>   | -20°C to +60°C                                |
| <b>Leak rate</b>           | $\leq 10^{-8}$ mbar l/s He                    |
| <b>c<sub>v</sub>-value</b> | DN8: 1,5<br>DN13: 2,1<br>DN19: 3,1            |

## Ordering information: Diaphragm valves DVE

### DVE - 13 - NPTF1/2

8

**NPTF1/4** 1/4"-NPT female  
**OD1/2** SS-tube 1/2" male  
**VCRF1/2** 1/2"-VCR female  
**VCRM1/2** 1/2"-VCR male

13

**NPTF1/2** 1/2"-NPT female  
**OD3/4** SS-tube 3/4" male  
**VCRF3/4** 3/4"-VCR female  
**VCRM3/4** 3/4"-VCR male

19

**NPTF3/4** 3/4"-NPT female  
**OD1** SS-tube 1" male  
**VCRF1** 1"-VCR female  
**VCRM1** 1"-VCR male

optional:

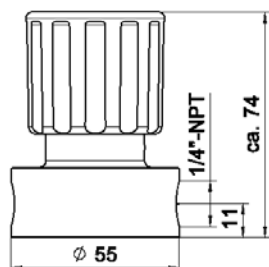
...**SA** with position indicator  
...**PN100** with pneumatic actuator

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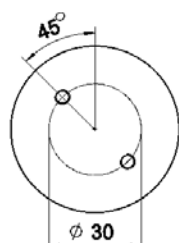
spectro**cem**

## Dimensions

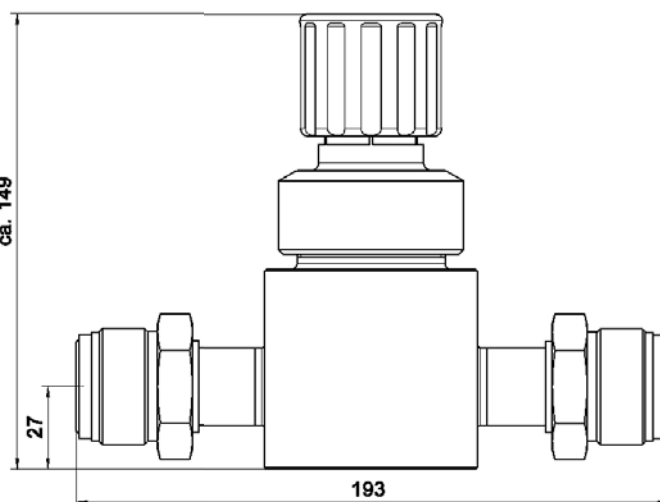
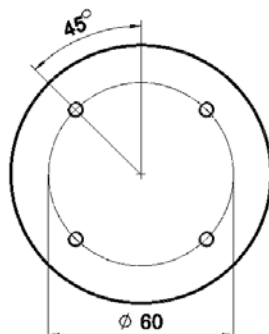
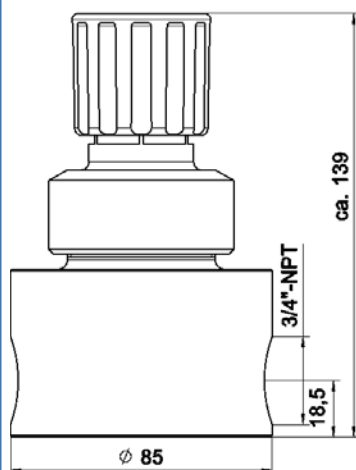
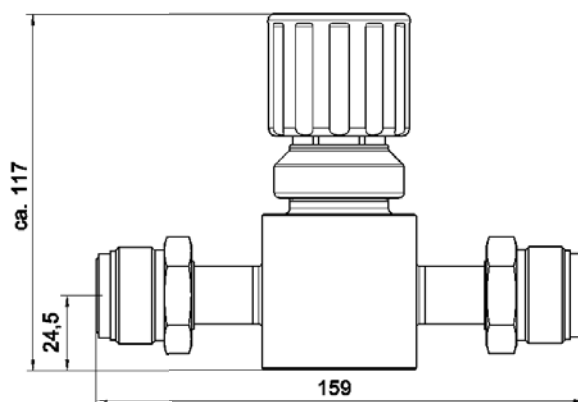
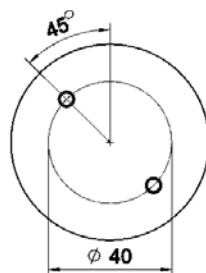
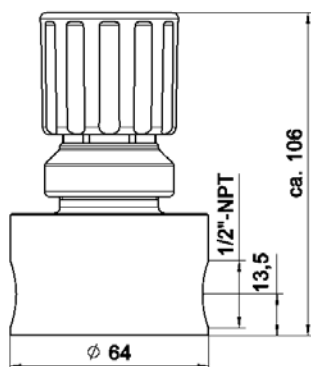
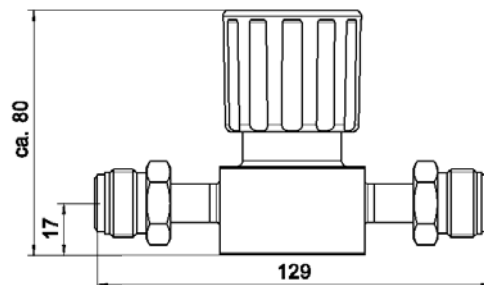
### NPT types



### M5-mounting holes



### VCR types



### Length with SS-tube

| Type         | L [mm] |
|--------------|--------|
| DVE-8-OD1/2  | 113    |
| DVE-13-OD3/4 | 116    |
| DVE-19-OD1   | 145    |

### Height with pneumatic actuator

| Type                | H [mm] |     |
|---------------------|--------|-----|
|                     | NC     | NO  |
| DVE-8-NPTF1/4-PN100 | 132    | 122 |
| DVE-8-VCR-PN100     | 138    | 128 |