



EES55-VCR-4-V-0-M-0-0-0

### Product features

- Point of use stick for corrosive gases and gas mixtures with corrosive components from grade 6.0
- High control accuracy
- Pressure regulator with tied diaphragm
- Orbital welded VCR-connections
- Point of use can be evacuated
- Manual or pneumatic valve options:
  - process gas inlet (TPI)
  - purge gas inlet (SPI)
  - purge gas vent (SPV)
  - process gas outlet (TPO)
- 100 % Helium leak tested
- Assembly in clean room class ISO 5.0

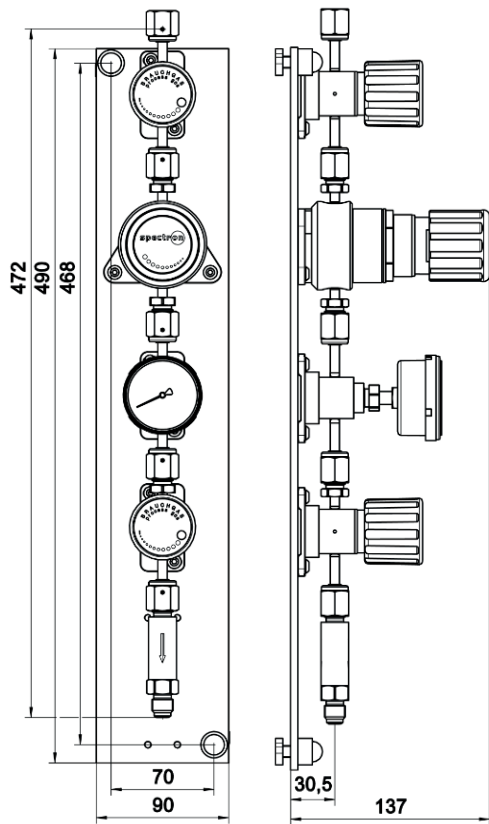
### Technical data

<b>Inlet pressure <math>P_1</math></b>	max. 50 bar
<b>Outlet pressure <math>P_2</math></b>	max. 1.5 / 4 / 10 bar
<b>Materials</b>	
Body:	Stainless steel 1.4404
Diaphragms:	Hastelloy C276
Other gas wetted parts:	Stainless steel 1.4404
Sealings	
Pressure regulator:	PTFE
Valves:	PCTFE or PVDF
<b>Surface roughness</b> (gas wetted areas)	$R_{a,max} \leq 0.25 \mu\text{m}$
<b>Temperatur range</b>	-20°C to +60°C
<b>Leak rates</b>	
to atmosphere:	$\leq 10^{-9}$ mbar l/s He
via valve seat:	$\leq 10^{-6}$ mbar l/s He
<b><math>c_v</math>-value</b>	$c_v = 0.24$ ( $k_v = 0.2$ )
<b>Weight</b>	2.4 ... 5.0 kg
<b>Connectors</b>	
Inlet:	VCR-female
Outlet	
valve / pressure gauge:	VCR-female
filter / check valve:	VCR-male

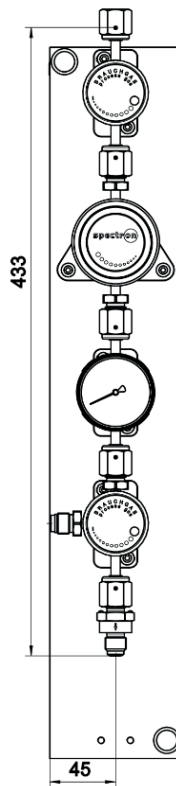
# Point of use stick EES55-VCR



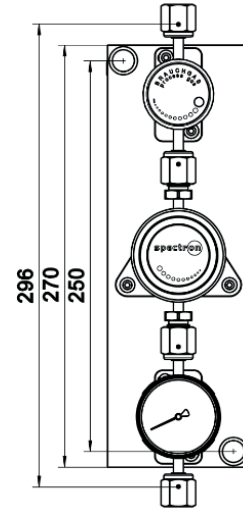
## Dimensions



EES55-VCR-4-V-0-M-0-V-F



EES55-VCR-4-V-0-M-V-0-NRV



EES55-VCR-4-V-0-M-0-0-0

## Ordering information: Point of use stick EES55-VCR

### EES55-VCR - 4 - V - V - M - V - V - F - Gas

#### Outlet pressure P<sub>2</sub>

1,5	max. 1.5 bar
4	max. 4 bar
10	max. 10 bar

#### Process gas inlet TPI

#### Purge gas inlet SPI

0	without
V	valve (manual)
VQ	1/4-turn valve
VP	pneumatic valve (NC)

#### Outlet press. indication

M	pressure gauge
K	contact pressure gauge
PT	pressure transmitter

#### Type of gas

Please specify type of gas for selection of sealing materials

#### Outlet option

0	without
F	filter (0.003 µm)
NRV	check valve

#### Process gas outlet TPO

#### Purge gas vent SPV

0	without
V	valve (manual)
VQ	1/4-turn valve
VP	pneumatic valve (NC)