

# Gas Stick Assemblies

## VSR-1ETG-BV Series

### Product Features

- Wall-mounting tapping points
- VSR-1EL series single-stage regulator
- Brass chrome plated body and bonnet for inert, reactive, flammable and oxidizing gas and mixtures up to grade 6.0
- Stainless steel 316L body and bonnet for corrosive gases
- Modular design
- Diaphragm type shut-off valves
- Suitable for inlet pressure up to 100 bar
- Tested for use with oxygen

### Typical Applications

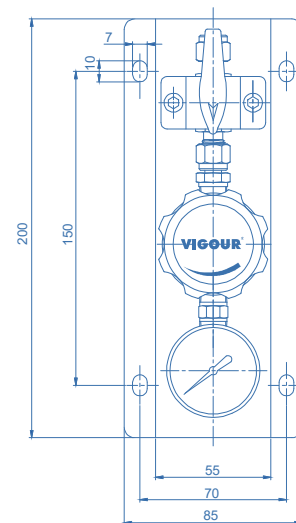
- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- High Pressure Sampling Systems
- Service & Test Equipment



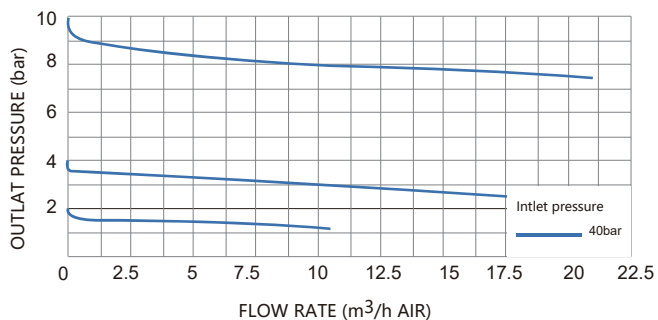
### Technical Data

Type:	single-stage
Inlet pressure P1:	max. 100 bar
Outlet pressure P2:	2/4/10/20/50 bar
Materials	
Body regulator and valves:	see ordering into
Valve seat (regulator):	PTFE
(shut-off valve):	PTFE
Diaphragm (regulator):	Hastelloy® C276
Filter:	SS 316L
Temperature range:	-30°C to +74°C
Leak rate: (to atmosphere)	1x10 <sup>-8</sup> mbar l/s He
(via seat)	1x10 <sup>-6</sup> mbar l/s He
Flow capacity:	Cv=0.07
Weight:	4.1~5.7kg

### Dimensions (mm)

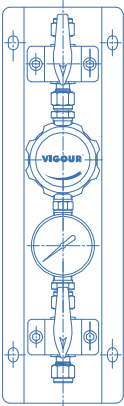


### Flow Chart

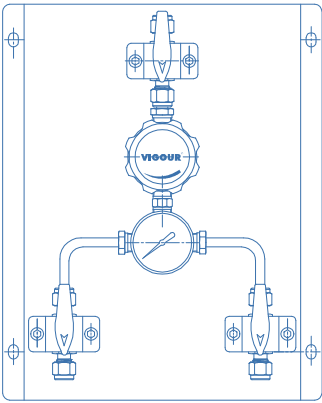


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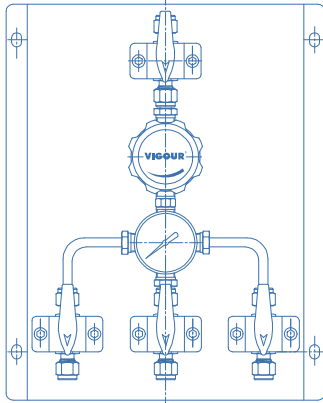
## Schematic Drawing



"A" Type:  
Single outlet



"B" Type:  
Dual outlet



"C" Type:  
Triple outlet

## Ordering Information

VSR - 1ETGS - 100 - 10 - BV04 - A - N<sub>2</sub>

**Body Material**  
S: 316L  
C: Chrome Plated Brass

**Inlet Pressure P<sub>1</sub>**  
40: 40 bar  
100: 100 bar

**Outlet Pressure P<sub>2</sub>**  
2: to 2 bar  
4: to 4 bar  
10: to 10 bar  
20: to 20 bar  
50: to 50 bar

**Gas Type**  
Please specify gas type

**Outlet Type**  
A: "A" type single outlet  
B: "B" type dual outlet  
C: "C" type triple outlet

**Connections**  
04: 1/4" ball valves  
06: 3/8" ball valves