

Back Pressure Regulators

VSR-53 Series

VIGOUR

Product Features

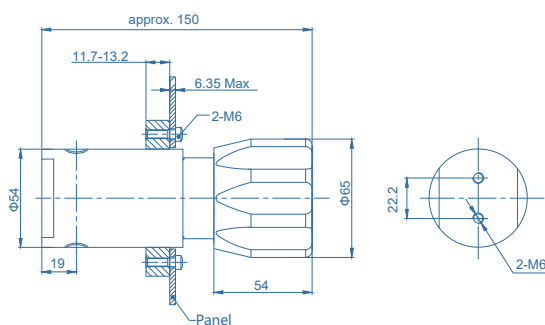
- Function similar to relief valve, ease of adjustment
- Panel and line mounting
- Accuracy: $\pm 1\%$ of central pressure range
- Bubble-tight shut-off at all reseal pressures
- Tested for use with oxygen

Typical Applications

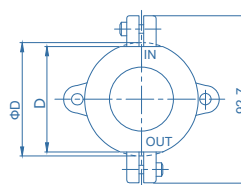
- Pump discharge pressure control
- Reactor pressure control
- Over-pressurization relief



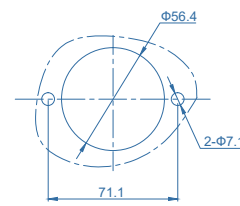
Dimensions (mm)



Inlets and Outlets	D
1/4 NPT(F)	58.4
1/4, 3/8 NPT(F)	$\Phi 63$
3/8 NPT(F) HU	78.2
1/2 NPT(F)	84.6



Stent models: LV-53

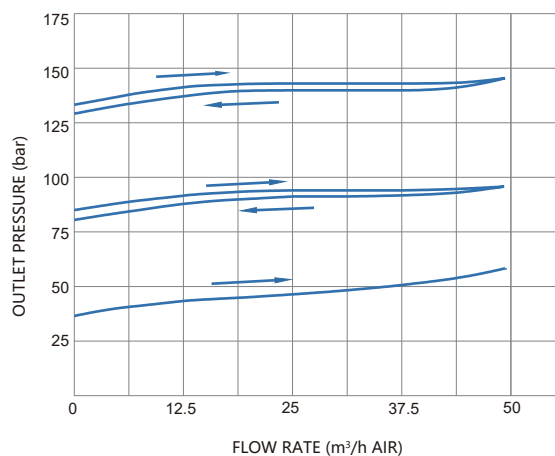


Panel Cut-Out

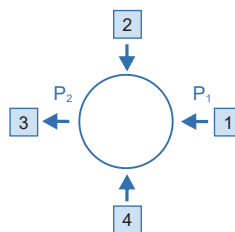
Technical Data

Backpressure:	max. 300 bar
Controlled pressure:	see ordering info
Materials	
Body regulator:	316L
Valve seat:	PCTFE (standard) / Vespel®(option)
O-ring:	Viton® (FKM)
(option)	Kalrez® (FFKM)
Filter:	SS 316L
Piston:	SS 316L
Inlets and Outlets:	see ordering info
Temperature range:	-30°C to +74°C
Leak rate:	Bubble-tight
Flow capacity:	CV=0.14 (<100bar) CV=0.1(100~300bar)
Weight:	2.2 kg

Flow Chart



Ordering Information



Inlets / Outlets

F4: 1/4"NPT(F)
F6: 3/8"NPT(F)
F8: 1/2"NPT(F)

P: Gauge (Psig/bar)
B: Plug

* Other connection standard, consult factory.

Port Selection

VSR - 53 **L** **S** - 50 - **1** - **2** - **3** - **4** - **VS** - **N2**

Type

L: Line mounting
P: Panel mounting

Body Material

S: 316L

Controlled Pressure Range

35: 0.35-35 bar
50: 0.35-50 bar
100: 0.7-100 bar
200: 1.72-200 bar
300: 3.45-300 bar

Type of Gas

Please specify type of gas

Valve Seat

None: PCTFE
VS: Vespe|®

Ordering Example

Example: VSR - 53 **L** **S** - 50 - **F4** - **F4** - **F4** - **B** - **N2**

1 - **2** - **3** - **4**

