

Hydrogen Pressure Regulators

VSR-9 Series

VIGOUR

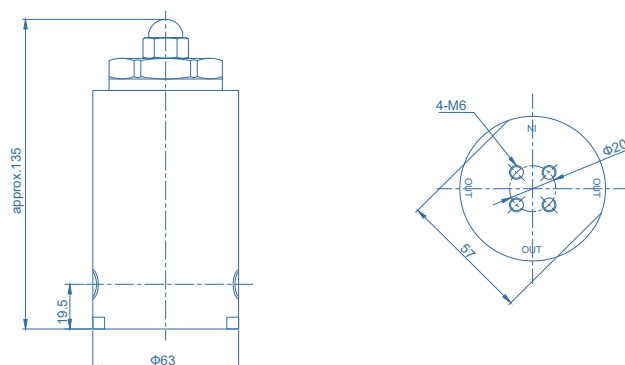
Product Features

- Piston-sensed design provides a long service life and enhanced safety
- High flow and minimal flow droop
- Balanced valve design minimizes supply pressure effect
- Used in diverse applications for a broad range of temperatures, flows and pressures
- Wide variety of preset outlet pressure are available
- 10 micron, 316 Stainless Steel filter

Typical Applications

- Hydrogen fuel cell vehicles

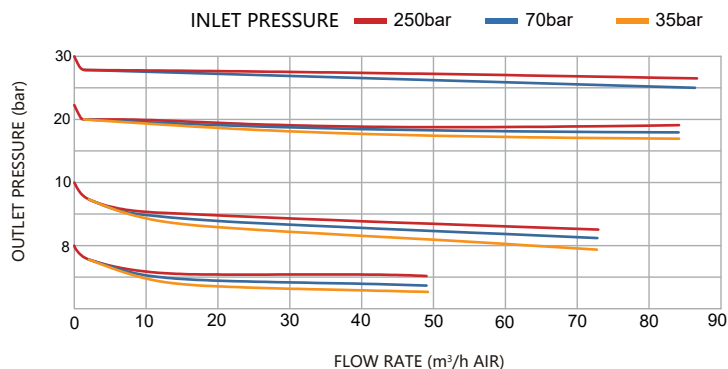
Dimensions (mm)



Technical Data

Inlet pressure P1:	max. 350 / 700 bar
Outlet pressure P2:	8/10/20/30 bar
Materials	
Body:	316L / Aluminium
Seat:	Vespe®
O-ring:	EPDM
Main valve:	316L
Sensor:	316L
Spring:	316L
Filter:	10µm 316
Leakage:	Bubble-tight
Operating temperature:	-40°C to +85°C
Flow capacity:	Cv=0.50
Weight:	2.4kg

Flow Chart



Ordering Information



Inlets / Outlets

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

A4: 1/4"SAE
A6: 3/8"SAE
A8: 1/2"SAE

P: Gauge (Psig/bar)

* Other connection standard, consult factory.

Port Selection

VSR - 9S - 350 - 8 - 1 - 2 - 3 - 4

Body Material

S: 316L

A: Aluminum

Inlet Pressure P₁

350: 350 bar

700: 700 bar (316L)

Outlet Pressure P₂

8: 8 bar

10: 10 bar

20: 20 bar

30: 30 bar

Ordering Example

Example: VSR - 9S - 350 - 8 - F4 - F4 - F4 - F4
1 - 2 - 3 - 4

