

Hydrogen Pressure Regulator / Wasserstoffdruckregler

VSR-9 Series

Product Feature

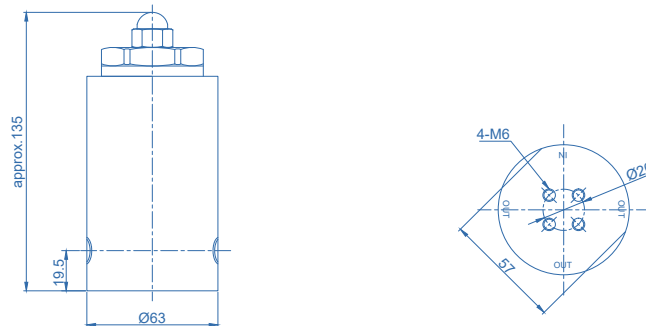
- Piston-sensed design provides a long service life and enhanced safety
- High flow and minimal flow droop
- Balanced valve design minimizes supply pressure effect
- Used in diverse applications for a broad range of temperatures, flows, and pressures
- Wide variety of preset outlet pressures are available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

Typical Applications

- Hydrogen fuel cell vehicles



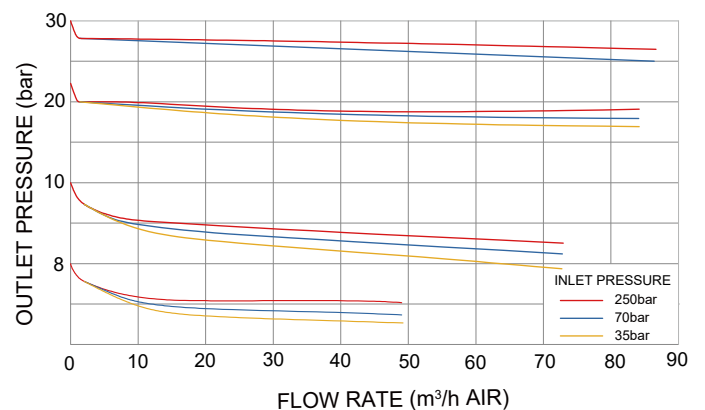
Dimensions(mm)



Technical Data

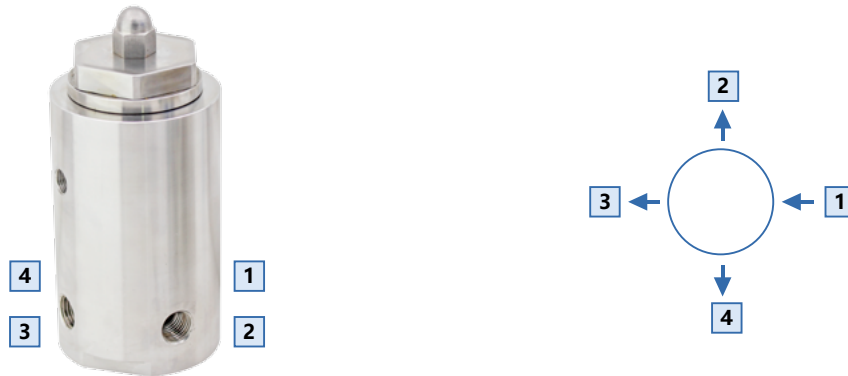
Maximum Inlet Pressure	350 bar / 700 bar
Maximum Outlet Pressure	30 bar
Materials	
Body:	SS 316L / aluminium
Seat:	Vespe [®]
O-Rings:	EPDM
Main Valve:	316 Stainless Steel
Sensor:	Aluminum 6061-T6
Spring:	302 Stainless Steel
Filter:	10 micron 316 Stainless Steel
Leakage	Bubble-tight
Operating Temperature	-40°F to 185°F (-40°C to 85°C)
Flow Capacity	Cv = 0.50
Weight:	2.4Kg

Flowchart



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Ordering Information



Inlet/Outlet Connections

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

* Other connection standard, consult factory

Port Selection

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

Material

S: 316L

A: Aluminum

Inlet Pressure

350: 350 bar

700: 700 bar

Outlet Pressure

8: to 8 bar

10: to 10 bar

20: to 20 bar

30: to 30 bar

Ordering Example

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

