

VSR-3F Series

Product Features

- Line pressure regulator
- Stainless steel 316L body
- 2&3 ports configuration
- Stable outlet pressure

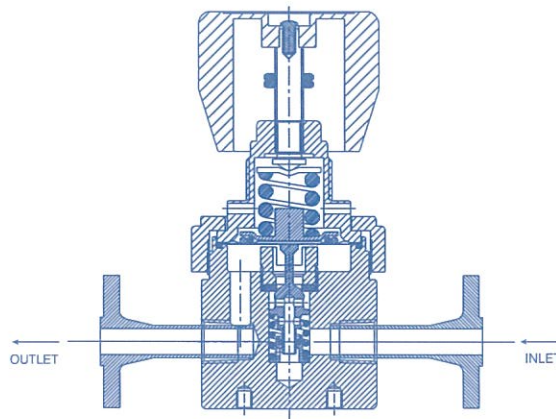
Product Applications

- Purge processes (e.g. nitrogen)
- First-stage regulator for nitrogen
- Blanketing applications

Typical Applications

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

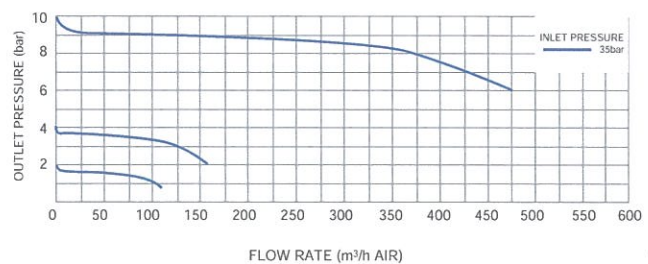
Schematic Drawing



Technical Data

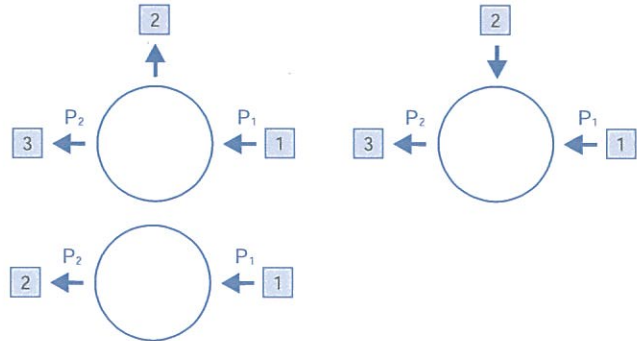
Type:	single-stage
Inlet pressure P ₁ :	max. 40bar
Outlet pressure P ₂ :	2/4/10/20 V2/V10 bar
Materials	
Body regulator	see ordering info
Valve seat:	PCTFE
Diaphragm:	Hastelloy® C276
O-ring: (option)	Viton® (FKM) Kalrez® (FFKM)
Filter:	SS 316L
Inlets and Outlets:	see ordering info
Temperature range:	-30°C to +74°C
Leak rate (to atmosphere) (via seat)	1x10 ⁻⁸ mbar l/s He 1x10 ⁻⁶ mbar l/s He
Flow capacity:	C _v =1.7
Weight:	2.8 kg

Flow Chart



Wir bieten Lösungen für Ihre Ideen!
We offer solutions regarding your ideas!

Ordering Information



Inlets / Outlets

D10: DN10 Flange	D25: DN25 Flange
D15: DN15 Flange	D30: DN30 Flange
D20: DN20 Flange	

* Other connection standard, consult factory.

Port Selection

VSR - 3FS - 40 - 10 - 1 - 2 - 3 - N2

Body Material

S: 316L

Inlet Pressure P₁

40: 40 bar

Outlet Pressure P₂

2: to 2 bar
 4: to 4 bar
 10: to 10 bar
 20: to 20 bar
 V2: 30 in Hg VAC ~ 2 bar
 V10: 30 in Hg VAC ~ 10 bar

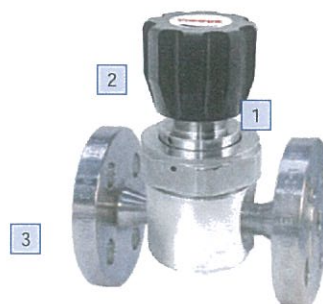
Type of Gas

Please specify type of gas

Ordering Example

Example: VSR - 3PH S - 40 - 10 - D10 - D10 - N2

1 - 2



Product Features

- Line pressure regulator
- Stainless steel 316L body
- 2&3 ports configuration
- Stable outlet pressure

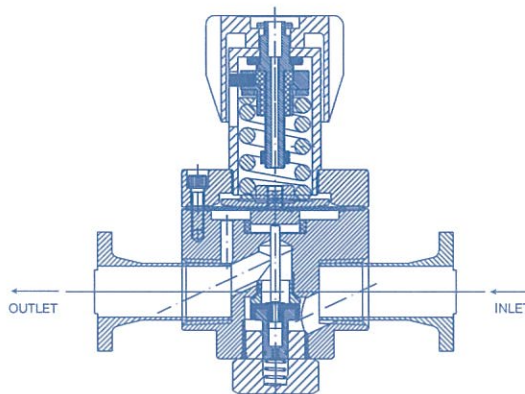
Product Applications

- High flow facility gas supply

Typical Applications

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

Schematic Drawing



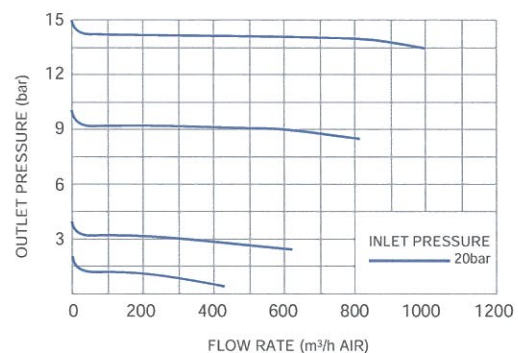
VSR-4F Series



Technical Data

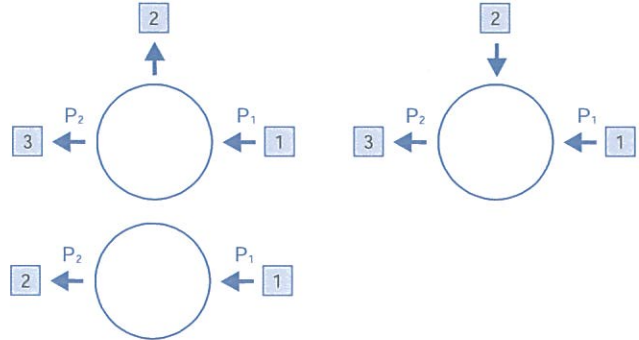
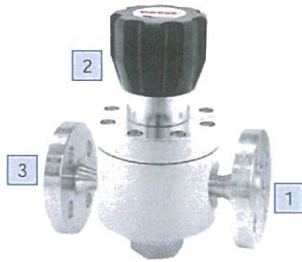
Type:	single-stage
Inlet pressure P ₁ :	max. 35bar
Outlet pressure P ₂ :	2/4/10/20 bar
Materials	
Body regulator	see ordering info
Valve seat:	Buna-N
Diaphragm:	Hastelloy® C276
Inlets and Outlets:	see ordering info
Temperature range:	-15°C to +74°C
Leak rate (to atmosphere)	1x10 ⁻⁶ mbar l/s He
(via seat)	1x10 ⁻⁴ mbar l/s He
Flow capacity:	C _v =5.1
Weight:	4.10 kg

Flow Chart



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Ordering Information



Inlets / Outlets

D20: DN20 Flange
 D25: DN25 Flange

* Other connection standard, consult factory.

Port Selection

VSR - 4FS - 35 - 10 - 1 - 2 - 3 - N2

Body Material

S: 316L

Inlet Pressure P₁

35: 35 bar

Outlet Pressure P₂

- 2: to 2 bar
- 4: to 4 bar
- 10: to 10 bar
- 20: to 20 bar

Type of Gas

Please specify type of gas

Ordering Example

Example: VSR - 4FS - 35 - 10 - D20 - D20 - N2

1 - 2

