

# Cylinder pressure regulator FM35-F

**spectron lab**



Cylinder pressure regulator FM35-F-3



Cylinder pressure regulator FM35-F-4

## Product features

- Single-stage cylinder pressure regulator with fixed outlet pressure
- Safe and simple gas withdrawal from single cylinders, for non-corrosive gases and gas mixtures up to quality 6.0
- Compact design, light weight
- Laboratory-style design
- Ergonomically designed
- Including manual cylinder connection for non metal-to-metal sealing cylinder connection
- Approved for use with oxygen
- Integrated relief valve

## Technical data

<b>Inlet pressure <math>P_1</math></b>	max. 200 bar
<b>Outlet pressure <math>P_2</math></b>	max. 2 / 4 / 8 bar
<b>Materials</b>	
Body:	chrome plated brass
Piston:	brass
Valve seat:	PA
<b>Inlet</b>	Cylinder connection
<b>Outlet</b>	1/8"-NPT female
<b>Temperature range</b>	-20°C to +60°C
<b>Leak rate</b>	(to atmosphere): $\leq 10^{-8}$ mbar l/s He
	(via valve seat): $\leq 10^{-6}$ mbar l/s He
<b>Weight</b>	560 g

## Ordering information: Pressure regulator FM35-F

**FM35 - F - 4 - 8 - DIN1 - 0 - 0 - H2**

### Ports

- 3** 3 ports  
**4** 4 ports

### Outlet pressure $P_2$

- 2** max. 2 bar  
**4** max. 4 bar  
**8** max. 8 bar

### Cylinder connection

Detailed description of the cylinder connection (e.g. BS no. 3)

### Type of gas

Please specify type of gas for selection of selection of sealing materials!

### Outlet 1 - 2 (for 4-Port)

- 0** 1/8"-NPT female  
**CM 1/4** 1/8" / 1/4"-compression fitting (brass)  
**CM 6** 3 / 6 / 8 / 10 mm-compr. fitting (brass)  
**SM6** gland 6 mm  
**9/16UNF+SM6** detachable gland 6 mm with 9/16-UNF  
**B** plug

# Cylinder pressure regulator FM35-L

spectro lab



Cylinder pressure regulator FM35-L

## Product features

- Single-stage cylinder pressure regulator
- Adjustment by a incremental orifice type flow selector for oxygen
- Additional pressure outlet (5 bar)
- Safe and simple gas withdrawal from single cylinders, for non-corrosive gases and gas mixtures up to quality 6.0
- Compact design light weight
- Laboratory-style design
- Ergonomically designed
- Including manual cylinder connection for non metal-to-metal sealing cylinder connection
- Integrated relief valve

## Technical data

<b>Inlet pressure <math>P_1</math></b>	max. 200 bar
<b>Flow rate</b>	0, 1, 2, 3, 4, 5, 6, 9, 12, 15 l/min. O <sub>2</sub>
<b>Materials</b>	
Body:	chrome plated brass
Piston:	brass
Valve seat:	PA
<b>Inlet</b>	Cylinder connection
<b>Outlet</b>	1/8"-NPT female
<b>Temperature range</b>	-20°C to +60°C
<b>Leakrate</b> (to atmosphere):	$\leq 10^{-8}$ mbar l/s He
(via valve seat):	$\leq 10^{-6}$ mbar l/s He
<b>Weight</b>	830 g

## Ordering information: Pressure regulator FM35-L

**FM35 - L - DIN9 - SM6 - B - B - O2**

### Cylinder connection

Detailed description of the cylinder connection (e.g. DIN 477-1 No. 9)

### Outlet 1 (regulated 0-15 l/min.)

<b>0</b>	1/8"-NPT female
<b>CM 1/4</b>	1/8" / 1/4"-compression fitting (brass)
<b>CM 6</b>	3 / 6 / 8 / 10 mm-compr. fitting (brass)
<b>SM6</b>	gland 6 mm
<b>9/16UNF+SM6</b>	detachable gland 6 mm with 9/16-UNF
<b>B</b>	plug

### Outlet 3 (max. 5 bar / 19 l/min.)

### Outlet 2 (max. 5 bar / 19 l/min.)

<b>0</b>	1/8"-NPT female
<b>CM 1/4</b>	1/8" / 1/4"-compression fitting (brass)
<b>CM 6</b>	3 / 6 / 8 / 10 mm-compr. fitting (brass)
<b>SM6</b>	gland 6 mm
<b>9/16UNF+SM6</b>	detachable gland 6 mm with 9/16-UNF
<b>B</b>	plug