

Cylinder pressure regulators CRF61 / 62



Cylinder pressure regulator CRF61



Cylinder pressure regulator CRF61 with control valve in the outlet

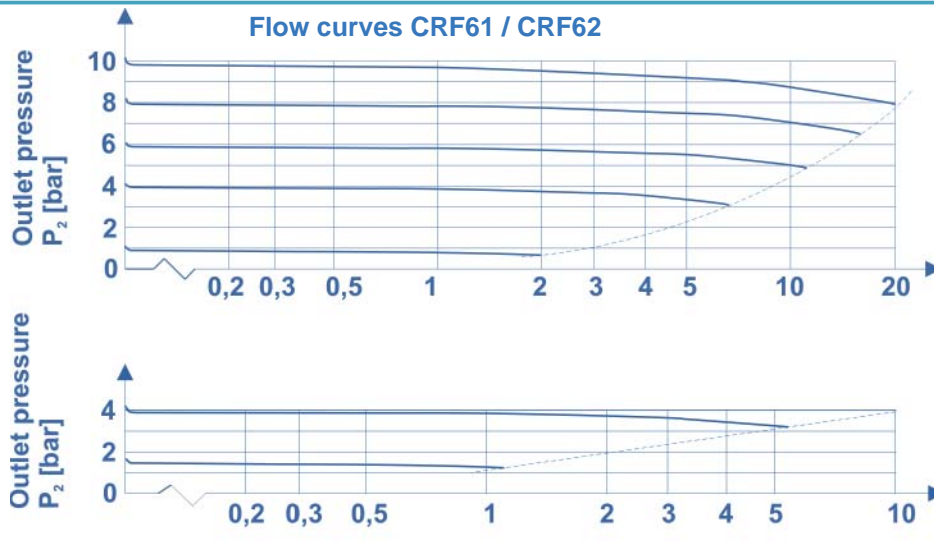
Product features

- Single- and dual-stage cylinder pressure regulators
- Simple and safe gas withdrawal from gas cylinders, for non-corrosive gases and gas mixtures up to quality 5.0
- Stainless steel diaphragm
- Suitable for inlet pressures up to 300 bar
- Safety pressure gauge with dual bar / psi - scale
- Integrated relief valve
- Central filter
- Optional control valve in the outlet
- Approved for use with oxygen
- Laboratory-style design
- Ergonomically designed

Technical data

Type	single- / double-stage
Inlet pressure P_1	max. 300 bar
Outlet pressure P_2	max. 1.5 to 10 bar
Materials	
Body:	brass
Bonnet:	brass, powder coated
Valve seat:	PA
Diaphragm:	SS301 (SS 1.4310)
Filter:	SS316L (SS 1.4404)
Outlets	1/4"-NPT female
Outlet relief valve	1/8"-NPT female
Temperature range	-30°C to +60°C
Leak rate (to atmosphere)	10 ⁻⁷ mbar l/s He
Pressure gauges (1/4"-NPT)	safety pressure gauge ISO5171/KI2.5/NG60 with dual bar/psi scale
Weight	CRF61: 1.8 kg CRF62: 2.1 kg

Flow curves CRF61 / CRF62



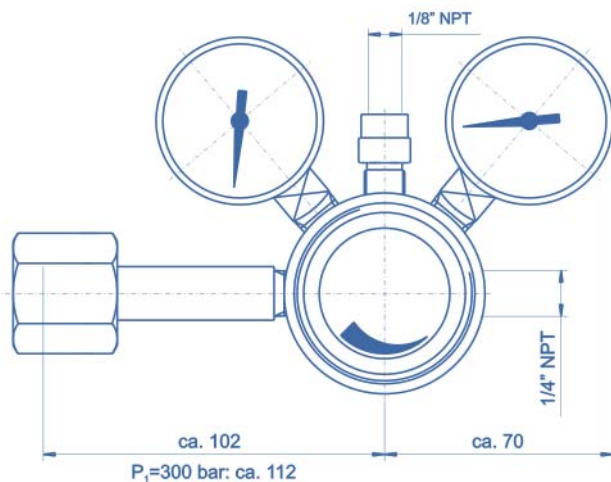
CRF61
Inlet pressure
 $P_1 = 21$ bar

Flow rate
 Q [m³/h air]

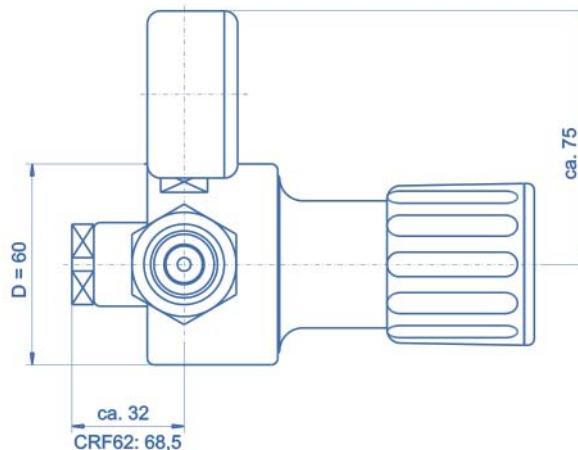
CRF62
Inlet pressure
 $P_1 = 9$ bar

Flow rate
 Q [m³/h air]

Cylinder pressure regulator CRF61 / CRF62



side view



Ordering information: Cylinder pressure regulator series CRF61 / CRF62

CRF - 61 - 200 - 10 - BS no.3 - V - N2

Type

- 61 single-stage regulator
- 62 double-stage regulator

Inlet pressure P_1

- 200 max. 200 bar
- 300 max. 300 bar

Outlet pressure P_2

- 1,5 max. 1,5 bar (double-stage)
- 4 max. 4 bar (double-stage)
- 10 max. 10 bar (single- or double-stage)

Gas type

Please specify gas type!

Outlet

- 0 1/4"-NPT female
- V control valve (1/4"-NPT female)

Cylinder connection

Cylinder connection including standard and connection number (e.g. DIN477-54)

Specifications

- SPECTROCOM - components guarantee maximum quality by using high grade materials and a quality assurance program acc. to ISO 9001.
- All components which come into contact with the medium are cleaned in an ultrasonic cleaning system (CFC-free) with the special cleaning process SPECTRO-CLEAN® and are then baked out.
- SPECTROCOM - components undergo a function test and a 100% Helium-leak-test.

Important note regarding component selection

- In order to assure safe operation it is essential to take the configuration of the whole system into account when selecting a control panel.
- The function of the components, the compatibility of the materials, correlating temperature ranges, correct installation, operation and maintenance in accordance with the relevant regulations are the responsibility of the system designer and the user.