Dual Stage Cylinder Pressure Regulator | CRA-1200 Series

Product Features

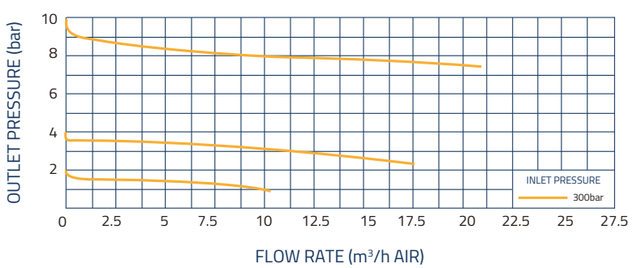
- Dual stage pressure regulator
- Brass nickel-chrome plated body and bonnet for inert, reactive, flammable and oxidizing gas and mixtures up to grade 6.0
- Stainless steel 316 body and bonnet for corrosive gases
- Stable outlet pressure
- Inlet filter
- Precise outlet pressure adjustment
- Tested for use with oxygen. CGA E-4 Oxygen Shock Tested.
- In accordance with applicable standards such as EN ISO 2503 and DIN EN 837-1.



Technical Data

Type:	Dual-stage
Inlet pressure P1:	max. 300 bar
Outlet pressure P2:	2/4/8/10 bar
Materials:	Regulator body, Relief valve see ordering info
Valve seat:	PCTFE
Diaphragm:	Hastelloy® C276
Filter:	SS 316
Inlets and Outlets:	1/4" NPT(F)
Temperature range:	-30 °C to +74 °C
External leak rate:	1x10-8 mbar l/s He
Seat Leakage rate:	1x10-6 mbar l/s He
Flow capacity:	Cv=0.07
Weight:	2.20kg

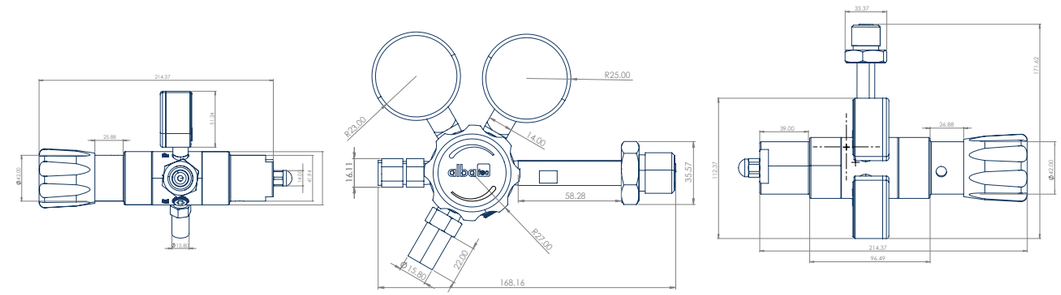
Flow Chart



Typical Applications

- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- High Pressure Sampling Systems
- Service & Test Equipment
- Analytical instrumentation
- Semiconductor and high-purity gas systems

Dimensions (mm)



All dimensions are provided for reference only. Actual product specifications may vary.
Albatec assumes no responsibility for any discrepancies.

Ordering Information

CRA - 1242 - BP - E10 - DIN - F14 - KGE - N2

Inlet Option	
0	-Without
2	-Inlet Shut-off Valve
4	-Internal Purging
6	-External Purging

Outlet Option	
0	-Without
2	-Outlet Shut-off Valve
4	-Outlet Regulating Valve

Material	
BP	-Brass Nickel-Chrome Plated
SS	-SS316

Inlet Pressure	
B	-40 bar
D	-100 bar
E	-200 bar
F	-300 bar

Outlet Pressure	
2	-2 bar
4	-4 bar
8	-8 bar
10	-10 bar

Inlet Connection	
F14	-FNPT 1/4"
DIN	-Cylinder Connection DIN
BS	-Cylinder Connection BS
CGA	-Cylinder Connection CGA
UNI	-Cylinder Connection UNI
AFNOR	-Cylinder Connection AFNOR

Outlet Connection	
F14	-FNPT 1/4"
CF2	-Compression Fitting 1/8"
CF4	-Compression Fitting 1/4"
CF6	-Compression Fitting 3/8"
CF3M	-Compression Fitting 3 mm
CF6M	-Compression Fitting 6 mm
CF8M	-Compression Fitting 8 mm
CF10M	-Compression Fitting 10 mm
CF12M	-Compression Fitting 12 mm

Extra Options	
-	-Without
KGE	-Inlet Contact gauge
KGA	-Outlet Contact gauge
PGE	-Inlet Pressure Transmitter
PGA	-Outlet Pressure Transmitter

Gas
N_2
Ar
He
H_2
O_2
Air
N_2O
CO_2

Example: **CRA - 1204- SS - F8 - BS - F14 - N_2**

Dual Stage Cylinder Regulator CRA-1200 Series
Inlet Option: without
Outlet Option: Outlet Regulating Valve
Material: SS316
Inlet Pressure: 300 bar
Outlet Pressure: 8 bar
Inlet Connection: Cylinder Connection BS
Outlet Connection: FNPT 1/4"
Extra Option: without
Gas: N2

Notes

- As standard, the product is supplied with the main regulator body, inlet pressure gauge, outlet pressure gauge, pressure relief valve, and user manual.
- For special configurations or custom-made products, please contact Albatec.

Albatec GmbH
Weidestrasse 120b, 22083 Hamburg, Germany
Albatec cylinder regulator CRA-1200 rev01 2026 ©
www.albatec-gmbh.de
info@albatec-gmbh.de