Single Inlet Single Stage Gas Control Panel | SPA-1100 Series

Product Features

- Single stage gas control panel
- Main regulator: CRA 1100 series single stage regulator
- Brass nickel-chrome plated body for inert, reactive, flammable and oxidizing gas and mixtures up to grade 6.0
- Stainless steel 316 body for corrosive gases
- Modular design - for more information refer to ordering information
- Diaphragm type shut-off valves
- Suitable for inlet pressure up to 300 bar
- Easy installation in systems and in safety cabinet thanks to 2-piece SS plate
- Components tested for use with oxygen. CGA E-4 oxygen shock tested.
- In accordance to applicable standards such as EN ISO 2503 and DIN EN 837-1

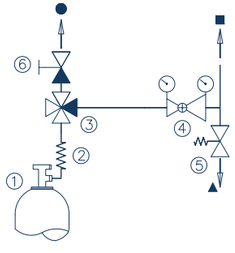


Technical Data

Type:	Single-stage
Inlet pressure P1:	max. 300 bar
Outlet pressure P2:	15/20/50/100/200 bar
Materials:	Regulator body see ordering info
Valve seat (regulator): (shut-off valve):	PCTFE PCTFE
Diaphragm (regulator): (valve):	Hastelloy® C276 Elgiloy®
O-ring: (option)	Viton® (FKM) Kalrez® (FFKM)
Filter:	SS 316
Inlet connection:	1/4" NPT(F)
Outlet connection:	1/4" NPT(F)
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
Weight:	3.6kg

Schematic Drawing

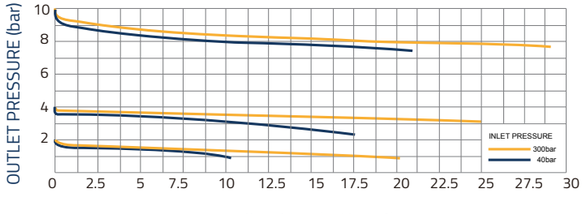
1 Gas Cylinder
2 Coil/Hose
3 Shut Off Valve
4 Pressure Regulator
5 Relief Valve
6 Purge Outlet Valve
● Purge Outlet
■ Process Outlet
▲ Relief Valve Outlet

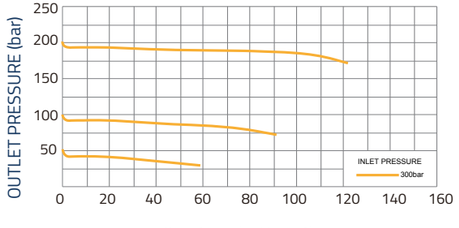


Typical Applications

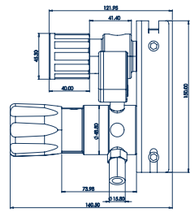
- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- High Pressure Sampling Systems
- Service & Test Equipment
- Central gas supply system
- Semiconductor and high purity gas systems

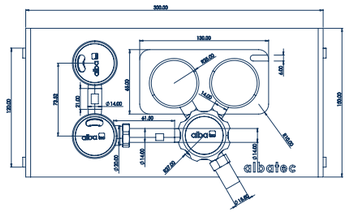
Flow Chart

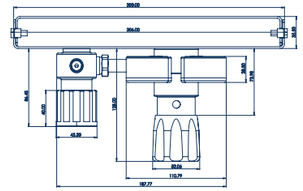




Dimensions (mm)







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

Ordering Information

SPA - 1120- BP - E10 - CF8 - 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	
15	-15 bar
20	-20 bar
50	-50 bar
100	-100 bar
200	-200 bar

Inlet Connection	
F14	-FNPT 1/4"
CF2	-Compression Fitting 1/8"
CF4	-Compression Fitting 1/4"
CF6	-Compression Fitting 3/8"
CF8	-Compression Fitting 1/2"
CF3M	-Compression Fitting 3mm
CF6M	-Compression Fitting 6mm
CF8M	-Compression Fitting 8mm
CF10M	-Compression Fitting 10mm
CF12M	-Compression Fitting 12mm

Outlet Connection	
F14	-FNPT 1/4"
CF2	-Compression Fitting 1/8"
CF4	-Compression Fitting 1/4"
CF6	-Compression Fitting 3/8"
CF8	-Compression Fitting 1/2"
CF3M	-Compression Fitting 3mm
CF6M	-Compression Fitting 6mm
CF8M	-Compression Fitting 8mm
CF10M	-Compression Fitting 10mm
CF12M	-Compression Fitting 12mm

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: **SPA - 1142 - SS - F20 - CF6 - F14 - N_2**

Single Inlet Gas Control Panel SPA-1100 Series
Inlet Option: Internal Purging
Outlet Option: Outlet shut-off valve
Material: SS316
Inlet Pressure: 300 bar
Outlet Pressure: 20 bar
Inlet Connection: Compression Fitting 3/8"
Outlet Connection: FNPT 1/4"
Extra Option: without
Gas: N2

Notes

- As standard, the product is supplied with gas regulator, diaphragm shut-off valve/s (as per the ordered configuration), 2-piece SS plate, inlet pressure gauge, outlet pressure gauge, Relief valve, user manual
- For special configurations or custom-made products, please contact Albatec.

Albatec GmbH
Weidestrasse 120b, 22083 Hamburg, Germany
Albatec Single inlet gas supply panel SPA-1100 rev012026 ©
www.albatec-gmbh.de
info@albatec-gmbh.de