Semi-Automatic Change over Panel | CPA-1100 Series

Product Features

- Pressure control panel with semi-automatic change-over function
- Continuous gas supply through semi-automatic cylinder changeover.
- Brass nickel-chrome plated body for inert, reactive, flammable and oxidizing gas and mixtures up to grade 6.0
- Stainless steel 316 body and bonnet 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 cabinets thanks to 2-piece SS plate
- Components 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

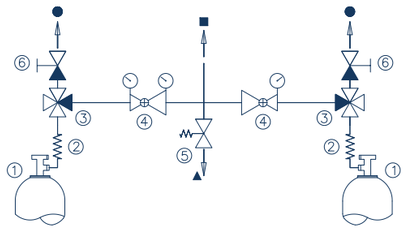


Technical Data

Type:	Single-stage
Inlet pressure P1:	max. 300 bar
Outlet pressure P2:	10/20/50 bar
Materials:	
Body regulator and valves:	see ordering info
Valve seat (regulator):	PCTFE
(shut-off valve):	PCTFE
Diaphragm:	Hastelloy® C276
(valve):	Elgiloy®
O-ring:	Viton® (FKM)
(option)	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):	$1x10^{-8}$ mbar l/s He
(via seat):	$1x10^{-6}$ mbar l/s He
Weight:	7.2 kg

Schematic Drawing

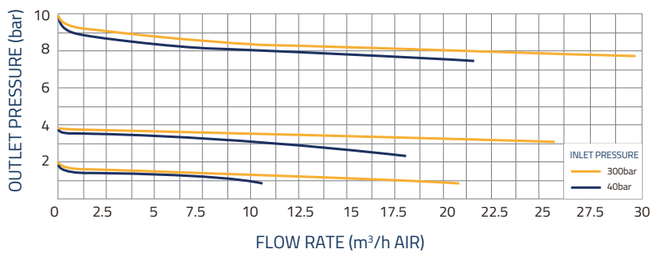
1 Gas Cylinder
2 Coil/Hose
3 Shut Off Valve
4 Pressure Regulator
5 Relief Valve
6 Purge Outlet Valve
● Purge Outlet
■ Process Outlet
▲ Relief Valve Outlet

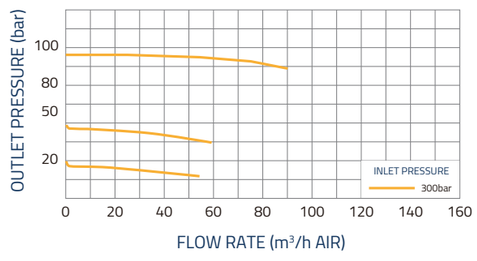


Typical Applications

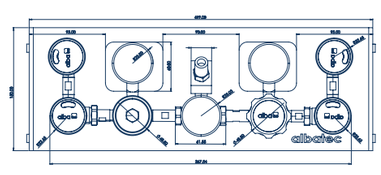
- Component Testing
- Calibration Systems
- Laboratory Pressure Control
- High Pressure Sampling Systems
- Service & Test Equipment
- Analytical instrumentation
- Semiconductor and high-purity gas systems

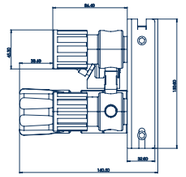
Flow Chart

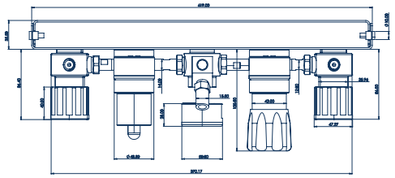




Dimensions (mm)







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

Ordering Information

CPA - 1142- BP - E10 - F14 - 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	
10	-10 bar
20	-20 bar
50	-50 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	
N₂	
Ar	
He	
H₂	
O₂	
Air	
N₂O	
CO₂	

Example: **CPA - 1140- SS - F20 - F14 - F14 - KGE - N_2**

Semi-Automatic Change over Panel CPA-1100 Series
Inlet Option: Internal Purging
Outlet Option: Without
Material: SS316
Inlet Pressure: 300 bar
Outlet Pressure: 20 bar
Inlet Connection: FNPT 1/4"
Outlet Connection: FNPT 1/4"
Extra Option: Inlet Contact Gauge
Gas: N2

Notes

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

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