



HPI 120P

High purity two-stage manual switchover supply panel

The HPI 120P is a high purity two-stage manual switchover gas supply panel which prevents downtime by manually switching gas supply from the primary cylinder bank to the reserve cylinder bank. Gas supply panel is available in chrome-plated brass (HPI 120PC) or stainless steel (HPI 120PS) barstock. The system includes purge function. Designed for constant delivery pressure from full to near empty cylinder. Outlet pressure is factory pre-set.

APPLICATIONS:

- High purity gas applications
- Research sample systems gases
- Gas chromatography
- Calibration gas
- Process analyzer gases
- Emission monitoring systems
- Laser applications

FEATURES:

- Recommended gases purity levels up to grade 6.0 (99.9999)
- Stainless steel version applicable also for corrosive gases after prior confirmation of the material's compatibility
- Wall mounting panel and brackets included
- Ready to install wall mounting panel
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- Purge function and diaphragm shut-off valves for the best results
- Possible to connect 2 gas cylinders or gas cylinder and a gas for purging operation
- HPI 120PC - chrome-plated body, bonnet and fittings
- HPI 120PS - 316L stainless steel body, bonnet and fittings
- 1×10^{-9} mbar l/s He inboard helium leak rate to maintain gas purity levels
- Inlet / outlet - 1/4" FNPT
- Maximum inlet pressure 300 bar (4350 psig), except for Acetylene: max. 25 bar (362 psig)
- Cleaned for oxygen service

TECHNICAL DATA:

Panel type	Manual switchover supply panel
Regulator type	Two-stage
Purity	Up to 6.0
Inlet pressure	Max. 300 bar (4350 psig) For Acetylene: 25 bar (362 psig)
Outlet pressure	1,5/2/4/10/20 bar (21/29/58/145/290 psig) For Acetylene: 1,5 bar (21 psig)
Purge function	Yes
Gauge	49mm dual scale (bar/psig)
Oxygen use	Suitable

MATERIALS:

Body, bonnet	316L stainless steel barstock or chrome-plated brass barstock
Diaphragm (regulator)	Hastelloy®*C276
Diaphragm (valve)	Elgiloy®**
Nozzle	316L stainless steel
Seat	PCTFE
Seals O-ring	Viton®*** (FKM) Kalrez®**** (FFKM) for corrosive gases
Filter	SS 316L Micro Sintered
Adjusting Knob	Aluminium

* Hastelloy® is a registered trademark name of Haynes International, Inc

**Elgiloy® a registered trademark of Elgiloy Specialty Metals

*** Viton® is a registered trademark of The Chemours Company

**** Kalrez® is a registered trademark of DuPont



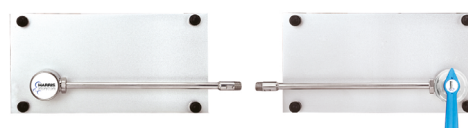
Model shown with additional accessories to be ordered separately

RELATED OPTIONS:

4302085	ALARM, 1 connection
4302086	ALARM, 2 connections
4302087	ALARM, 4 connections
4302088	ALARM, 6 connections
4302089	ALARM, 10 connections



EXTENSIONS:



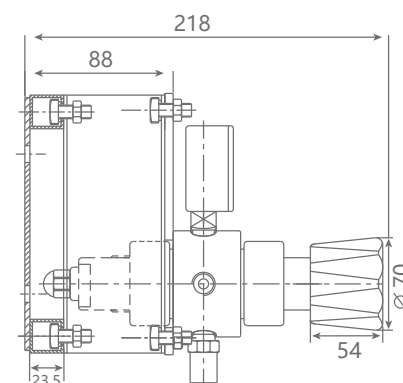
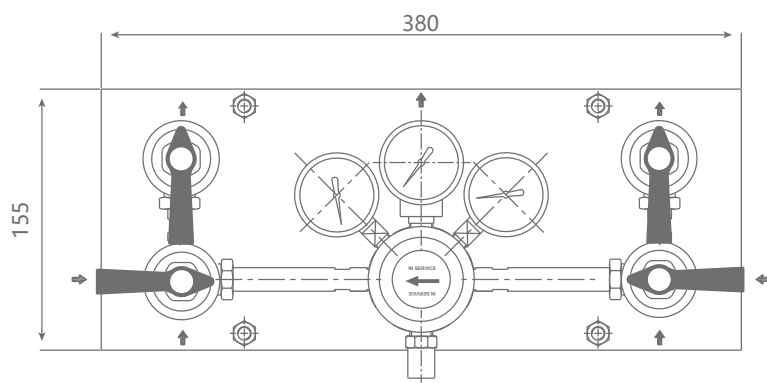
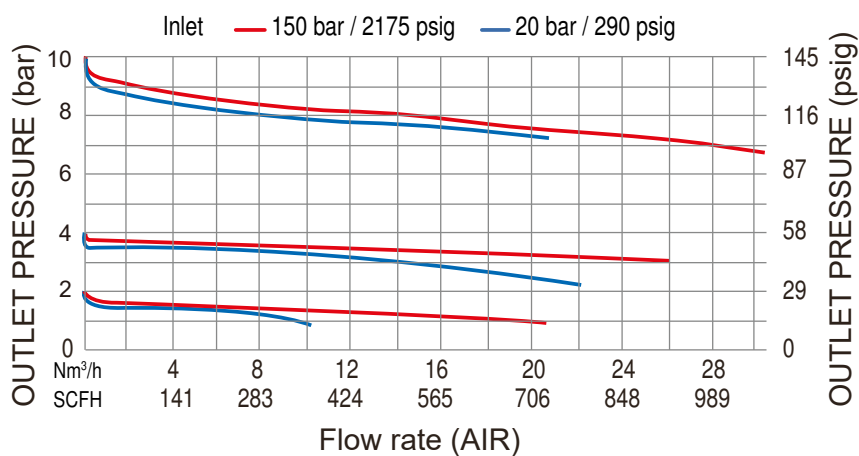
See page 70

SPECIFICATIONS:

Inlet / outlet ports	1/4" FNPT
Weight	4,5 kg

FLOW CHART:

HPI 120P



ORDERING INFORMATION:

MODEL	MATERIAL	OUTLET PRESSURE	INLET CONNECTION	OUTLET CONFIGURATION	OPTIONS	GAS TYPE
HPI 120PC	Chrome-plated brass	0 - 1 bar 0 - 15 psig	1/4" FNPT	1/4" FNPT A	He Leak Cert. (inboard) 2	Please specify
HPI 120PS	Stainless steel	0 - 1,5 bar 0 - 21 psig	1/4" FNPT check valves		No gauges 3	
		0 - 2 bar 0 - 29 psig			With relief valves 4	
		0 - 4 bar 0 - 58 psig			60 bar inlet gauge 6	
		0 - 10 bar 0 - 145 psig			Corrosive gas 7	
		0 - 20 bar 0 - 290 psig			High Pressure Contact Gauges HPCG	
					Low Pressure Contact Gauges LPCG	

For example:

HPI 120PC 145 000 A 4 O₂