

HPI 904P2

High purity two-sided supply panel



* 90 days warranty for regulators used with corrosive gases.

The HPI 904P2 and HPI 904SP2 are manual switchover high purity gas supply panels that prevent downtime by manually switching gas supply from the primary cylinder bank to the reserve cylinder bank. Manual adjustment of the individual regulator allow the user to set downstream pressure. The system includes purge function. Designed for applications where a slight rise in delivery pressure from full to empty cylinder can be tolerated or as first stage of pressure reduction.

APPLICATIONS:

- Laboratory pressure control - non corrosive gases (HPI 904P2) or for corrosive gases (HPI 904SP2)*
- Component testing
- Petrochemical industry
- Emission monitoring systems
- Controlled atmosphere
- Service & test equipment

FEATURES:

- Recommended gases purity levels up to grade 5.0 (99.999) or greater under request*
- 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
- 302 AISI stainless steel diaphragm eliminates contamination from diffusion or outgassing
- 1/4 purge function and diaphragm shut-off valves with internal filters, for the best results
- Possible to connect 2 gas cylinders or gas cylinder and a gas for purging operation
- HPI 904P2 - Brass nickel-plated barstock for non-corrosive gases
- HPI 904SP2 - 316L AISI stainless steel barstock body and fitting for corrosive gases*
- 1×10^{-8} mbar l/s He inboard helium leak rate to maintain gas purity levels / 1×10^{-9} mbar l/s under request
- Inlet / outlet - 1/4" FNPT
- Maximum inlet pressure 300 bar (4350 psig), for Acetylene: max. 25 bar (362 psig)
- External relief valve standard
- Cleaned for oxygen service

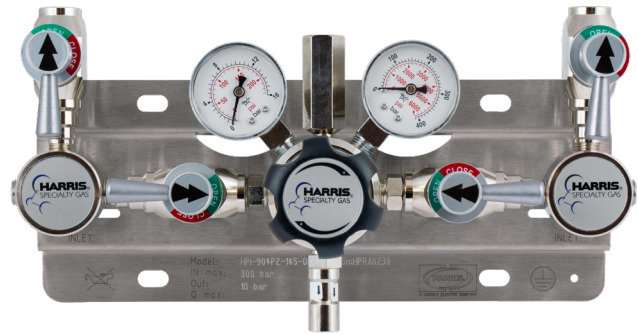
TECHNICAL DATA:

Panel type	Manual switchover supply panel
Regulator type	Single-stage
Purity	Up to 5.0 standard / 6.0 under request*
Inlet pressure	Max. 300 bar (4350 psig) For Acetylene: max. 25 bar (362 psig)
Outlet pressure	1,5/2/4/10/20 bar (21/29/58/145/290 psig) For Acetylene: max. 1,5 bar (21 psig)
Purge function	Yes
Gauges	49 mm dual scale (bar/psig)
Oxygen use	Suitable

MATERIALS:

Body	Brass nickel-plated barstock or 316L AISI stainless steel
Bonnet	Nickel-plated ZnAl
Diaphragm (regulator)	302 AISI stainless steel
Diaphragm (valve)	316L AISI stainless steel barstock
Nozzle	Brass / 316L AISI stainless steel
Seat	PTFE (Teflon) / PCTFE (KEL-F)
Seals O-ring	EPDM (HPI 904P2) / Viton (HPI 904SP2)
Filter	Sintered bronze / stainless steel - 10 micron
Adjusting knob	ABS plastic

*after prior confirmation of the material's compatibility



Model shown with additional accessories to be ordered separately

RELATED OPTIONS:

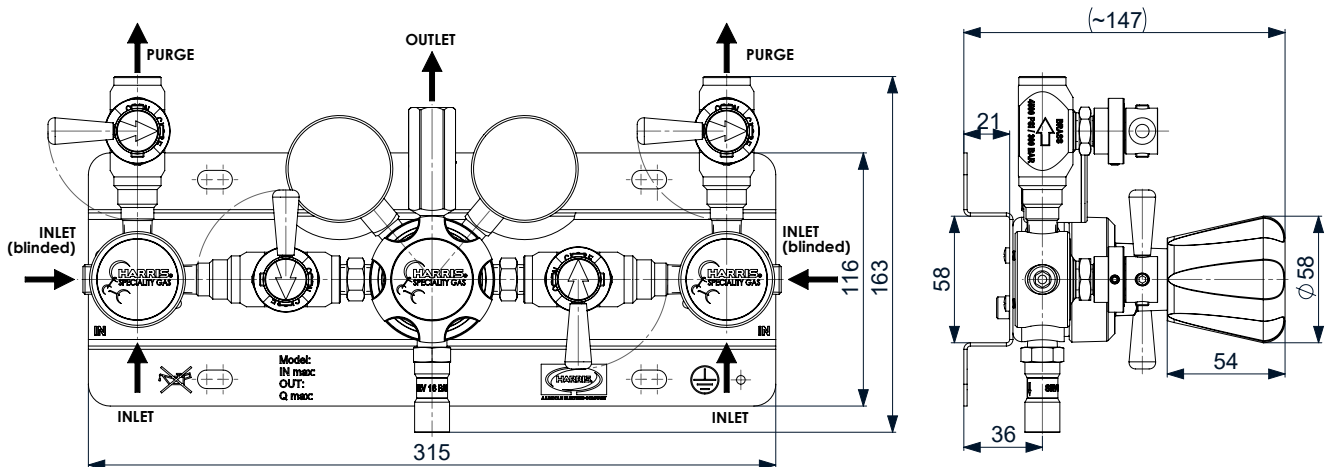
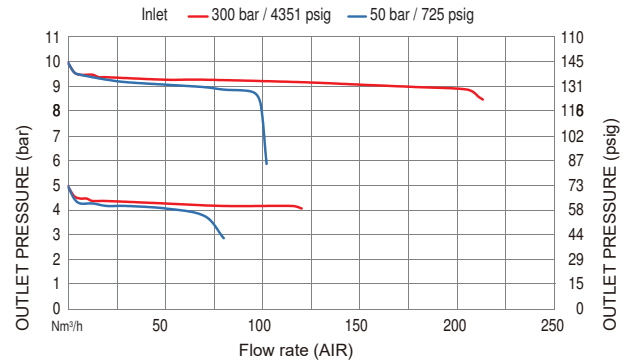
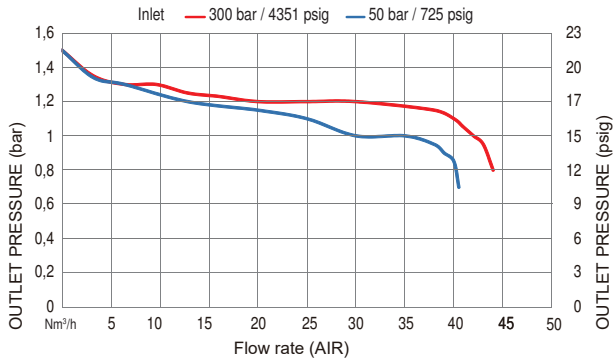
- Non return valves (NRV)
- Contact gauges
- Alarm panels
- Flexible high pressure hoses
- Extensions

SPECIFICATIONS:

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

FLOW CHART:

HPI 904P2 / HPI 904SP2



ORDERING INFORMATION:

MODEL	MATERIAL	OUTLET PRESSURE	INLET CONNECTION	OUTLET CONFIGURATION	OPTIONS	GAS TYPE
HPI 904P2	Nickel-plated brass	0 - 1,5 bar 0 - 21 psig	021 1/4" FNPT	000 1/4" FNPT A	He leak certified 2	Please specify
HPI 904SP2	Stainless steel	0 - 2 bar 0 - 29 psig	029 Non return valve 1/4" FNPT	NRV	High pressure contact gauge HPCG	
		0 - 4 bar 0 - 58 psig	058		Low pressure contact gauge LPCG	
		0 - 10 bar 0 - 145 psig	145		Flashback Arrestor FBA	
		0 - 20 bar 0 - 290 psig	290		Shutoff valve SOV	
					Corrosive 7	

For example:

HPI 904 P2 145 000 A N₂