

HPI 904P1

High purity one-sided supply panel



* 90 days warranty for regulators used with corrosive gases.

The HPI 904P1 and HPI 904SP1 are one side high purity gas supply panels. Manual adjustment of the 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 - for non-corrosive gases (HPI 904P1) or for corrosive gases (HPI 904SP1)*
- 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*
- 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 904P1 - brass nickel-plated barstock for non-corrosive gases
- HPI 904SP1 - 316L AISI stainless steel barstock body and fittings 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), except for Acetylene: max. 25 bar (362 psig)
- External relief valve standard
- Cleaned for oxygen service

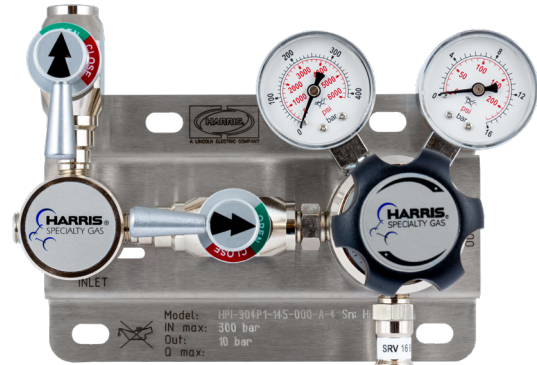
TECHNICAL DATA:

Panel type	One-sided
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: 1,5 bar (21 psig)
Purge function	Yes
Gauges	49 mm dual scale (bar/psig)
Oxygen use	Suitable

MATERIALS:

Body	Brass nickel-plated barstock (HPI 904P1) or 316L stainless steel barstock (HPI 904SP1)
Bonnet	Nickel-plated ZnAl
Diaphragms (regulator)	302 AISI stainless steel
Diaphragms (valves)	316L AISI stainless steel
Nozzle	Brass / 316L AISI stainless steel
Brackets	Stainless steel
Seat	PTFE (Teflon), PCTFE (KEL-F)
Seals O-ring	EPDM (HPI 904P1) / Viton (HPI 904SP1)
Filter	Sintered brass / 316L AISI 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

