

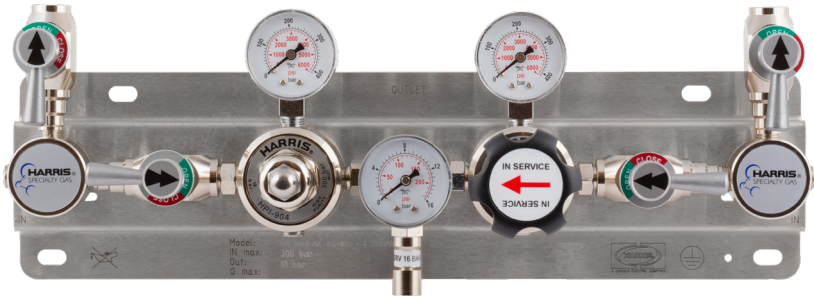
## HPI 904PSA

### High purity semi-automatic switchover supply panel



\* 90 days warranty for regulators used with corrosive gases.

The HPI 904PSA is a semi-automatic high purity switchover panel which prevents downtime by automatically switching gas supply from the primary cylinder bank to the reserve cylinder. The user resets the primary bank by turning the knob. Outlet pressure is factory pre-set.



Model shown with additional accessories to be ordered separately

#### APPLICATIONS:

- Laboratory pressure control
- 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\*
- For non-corrosive gases HPI904PSA / for corrosive gases HPI904SPSA\*
- Wall mounting panel and brackets included
- Ready to install wall mounting panel
- 302 AISI 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 904PSA- nickel-plated body, bonnet and fittings for non-corrosive gases
- HPI 904SPSA - 316L body and fittings for corrosive gases\*
- $1 \times 10^{-8}$  mbar l/s He inboard helium leak rate to maintain gas purity levels /  $1 \times 10^{-9}$  mbar l/s under request
- Inlet/outlet - 1/4" FNPT
- Maximum inlet pressure 300 bar (4350 psig)
- External relief valve standard
- Cleaned for oxygen service

#### TECHNICAL DATA:

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

#### MATERIALS:

Body	Nickel-plated brass or 316L AISI stainless steel barstock
Bonnet	Nickel-plated ZnAl
Diaphragm (regulator)	302 AISI stainless steel
Diaphragm (valve)	316L AISI stainless steel
Nozzle	Brass / 316L AISI stainless steel
Seat	Brass / 316L AISI stainless steel
Seals O-ring	KEL-F (CTFE)
Filter	Bronze / 316L AISI stainless steel - 10 micron
Adjusting Knob	ABS plastic

\*after prior confirmation of the material's compatibility

#### RELATED OPTIONS:

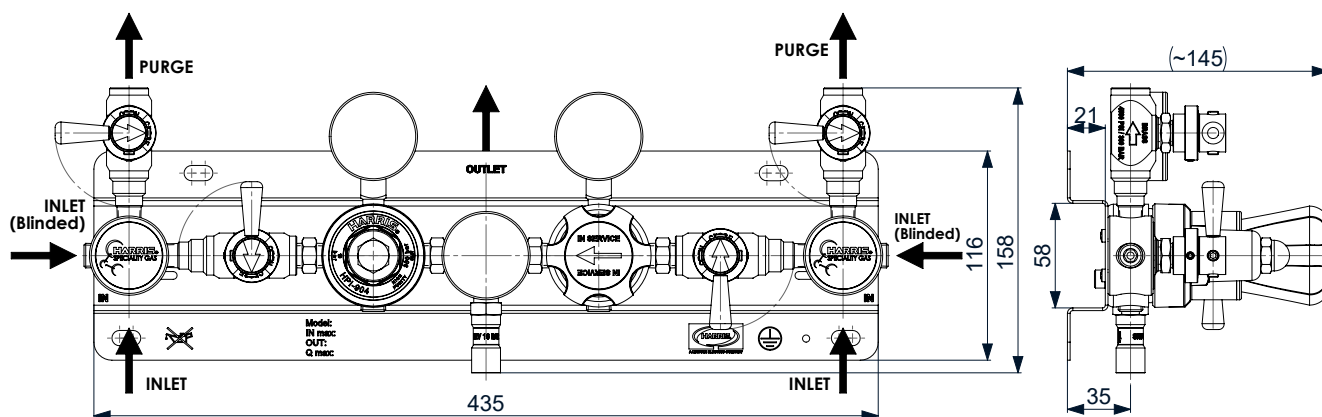
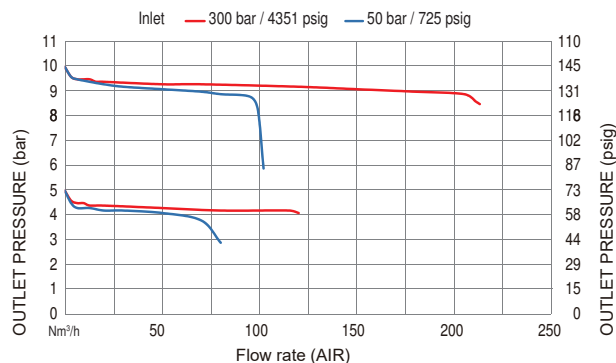
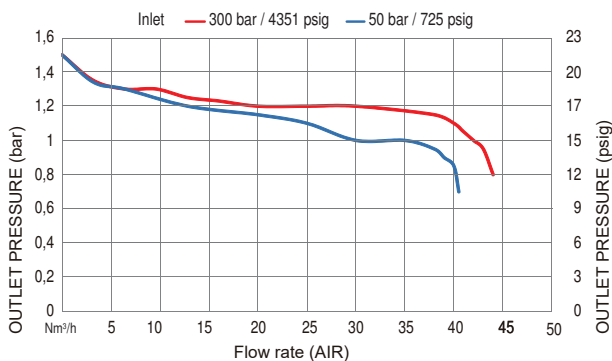
- Non return valves (NRV)
- Contact gauges
- Alarm panels
- Flexible high pressure hoses
- Extensions

## SPECIFICATIONS:

Inlet / outlet ports	1/4" FNPT
Weight	4,8 kg

## FLOW CHART:

### HPI 904PSA / HPI 904SPSA



## ORDERING INFORMATION:

MODEL	MATERIAL	OUTLET PRESSURE	INLET CONNECTION	OUTLET CONFIGURATION	OPTIONS	GAS TYPE	
HPI 904PSA	Nickel-plated brass	0 - 1,5 bar 0 - 21 psig	1/4" FNPT	000	He leak 2	Please specify	
HPI 904SPSA	Stainless steel	0 - 2 bar 0 - 29 psig	Non return valve 1/4" FNPT	NRV	High pressure contact HPCG gauge		
		0 - 4 bar 0 - 58 psig			058		Low pressure contact LPCG gauge
		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 PSA 145