

HPI 100L

High purity single-stage line regulator



Model HPI 100L is a line regulator available in chrome-plated brass (HPI 100LC) or stainless steel (HPI 100LS) barstock, for pipeline and other applications up to 40 bar (580 psig) inlet pressure.

APPLICATIONS:

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

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
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- Low wetted surface area
- HPI 100LC - chrome-plated body, bonnet and fittings
- HPI 100LS - 316L stainless steel body, bonnet and fittings
- 1×10^{-9} mbar l/s He inboard helium leak rate to maintain gas purity levels
- 4 ports flexible configuration
- 1/8" NPT thread on the bonnet venting for safety in 316L SS version
- Maximum inlet pressure 40 bar (580 psig), except for Acetylene: max. 25 bar (362 psig)
- Cleaned for oxygen service

TECHNICAL DATA:

Type	Single-stage
Purity	Up to 6.0
Inlet pressure	Max. 40 bar (580 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)
Flow capacity	Kv = 0,1548 (Cv = 0,18)
Gauges	49mm dual scale (bar/psig)
Oxygen use	Suitable

MATERIALS:

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

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

** 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:

Wall mounting bracket: HPI-L-BPB

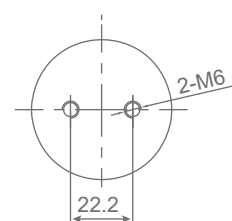
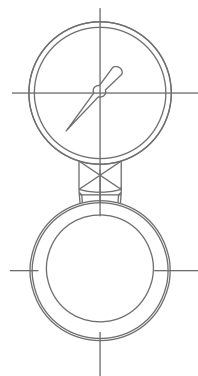
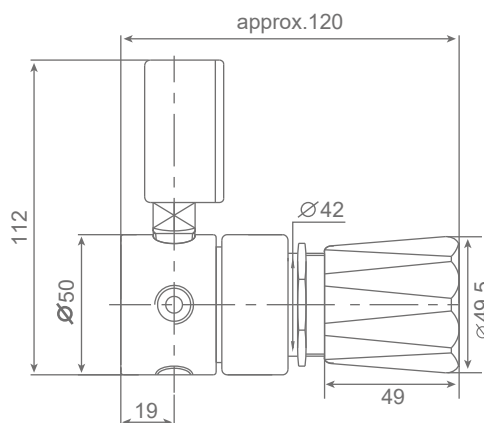
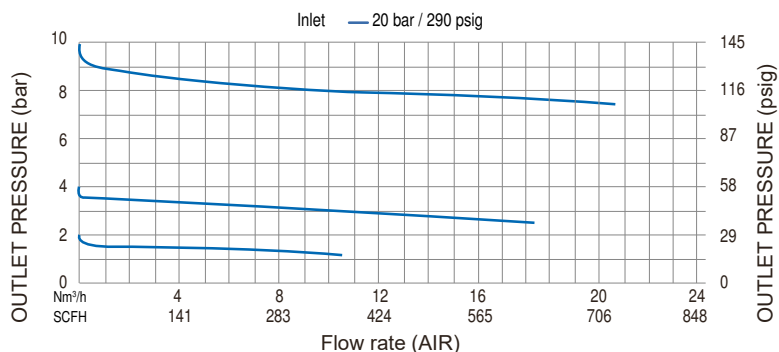


SPECIFICATIONS:

Inlet / outlet ports	1/4" FNPT
Weight	1,04 kg

FLOW CHART:

HPI 100L



ORDERING INFORMATION:

MODEL	MATERIAL	INLET CONFIGURATION	OUTLET PRESSURE	INLET CONNECTION	OUTLET CONFIGURATION	OPTIONS	GAS TYPE
HPI 100LC	Chrome-plated brass	Right R	0 - 1 bar 0 - 15 psig	015 1/4" FNPT	000 1/4" FNPT	A He leak cert. (inboard)	2 Please specify
HPI 100LS	Stainless steel	Left L	0 - 1,5 bar 0 - 21 psig	021 1/4" MNPT	001 1/4" FNPT diaphragm valve	B No gauges	3
			0 - 2 bar 0 - 29 psig	029 1/4" tube fitting	002 1/4" MNPT nipple	C With relief valve	4
			0 - 4 bar 0 - 58 psig	058 6 mm tube fitting	003 1/4" tube fitting	D He leak cert. (outboard)	5
			0 - 10 bar 0 - 145 psig	145 8 mm tube fitting	004 1/8" tube fitting	E Corrosive Gases	7
			0 - 20 bar 0 - 290 psig	290	6 mm tube fitting	F Wall mounting Bracket	P
					8 mm tube fitting	G Diaphragm Valve with Lever	DVL
					10 mm tube fitting	H	

Other options upon request, please contact us

For example:

HPI 100LC R 058 001 BE 2 Ar