



HPI 300L

High purity and high flow single-stage barstock line regulator

Model HPI 300L is in-line manifold regulator available in chrome-plated brass (HPI 300LC) or stainless steel (HPI 300LS) barstock, for pipeline and other application up to 100 bar (1450 psig) inlet pressure.

APPLICATIONS:

- High flow gas applications
- High purity gas applications
- Bulk gas distribution systems
- Laser gas systems
- Process analyzer gases
- Research sample systems gases
- Petrochemical industry
- Emission monitoring systems

FEATURES:

- Recommended gases purity levels up to grade 6.0 (99.9999) and delivery pressures up to 50 bar (725 psig)
- 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
- HPI 300LC - chrome-plated body, bonnet and fittings
- HPI 300LS - 316L stainless steel body, bonnet and fittings
- 1×10^{-9} mbar l/s He inboard helium leak rate to maintain gas purity levels
- 1/8" NPT thread on the bonnet venting for safety in 316L SS version
- Maximum inlet pressure 100 bar (1450 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. 100 bar (1450 psig) For Acetylene: max. 25 bar (362 psig)
Outlet pressure	1,5/2/4/10/20/35/50 bar (21/29/58/145/290/507/725 psig) For Acetylene: max. 1,5 bar (21 psig)
Flow capacity	$K_v = 1,462$ ($C_v = 1,7$)
Gauge	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-BP

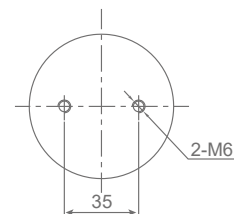
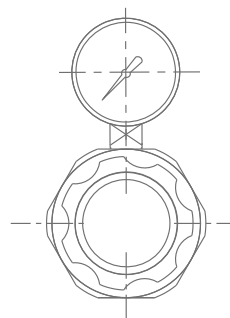
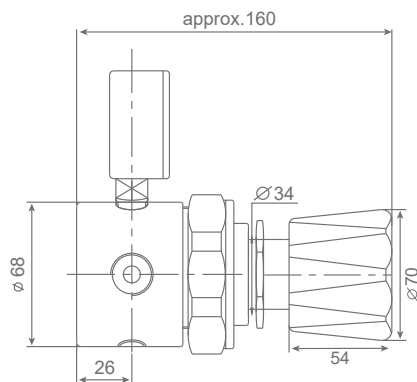
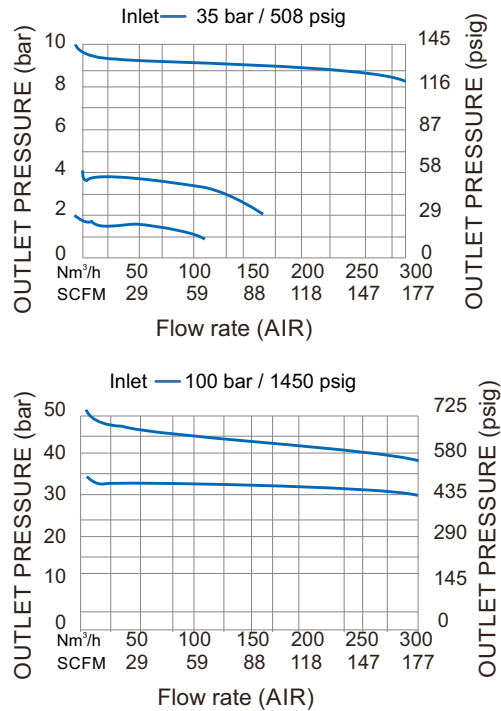


SPECIFICATIONS:

Inlet / outlet ports	1/2" FNPT
Other ports	1/4" FNPT
Weight	2,8 kg
Temperature range	-30°C to +74°C

FLOW CHART:

HPI 300L



ORDERING INFORMATION:

MODEL	MATERIAL	INLET CONFIGURATION		OUTLET PRESSURE		INLET CONNECTION		OUTLET CONFIGURATION		OPTIONS		GAS TYPE
HPI 300LC	Chrome-plated brass	Right	R	0 - 1,5 bar 0 - 21 psig	021	1/2" FNPT 000		1/2" FNPT	A	He leak cert. (inboard)	2	Please specify
HPI 300LS	Stainless steel	Left	L	0 - 2 bar 0 - 29 psig	029					No gauges	3	
				0 - 4 bar 0 - 58 psig	058					He leak cert. (outboard)	5	
				0 - 10 bar 0 - 145 psig	145					Corrosive Gases	7	
Other options upon request, please contact us				0 - 20 bar 0 - 290 psig	290					Wall mounting Bracket	P	
				0 - 35 bar 0 - 507 psig	507							
				0 - 50 bar 0 - 725 psig	725							

For example:

HPI 300LC R 507 000 A 2 N₂