

## HPI 500L

### High purity – back pressure line regulator

Model HPI 500L is a line regulator available in chrome plated brass (HPI 500LC) or stainless steel (HPI 500LS) barstock for protection pipeline against high pressure (function similar to relief valve).

#### APPLICATIONS:

- Line protection against high pressure
- Component testing
- Calibration systems
- Laboratory pressure control
- High pressure sampling systems
- Service & test equipment

#### FEATURES:

- Recommended for non-corrosive gases purity levels up to grade 6.0 (99.9999)
- Available for air, nitrogen or hydrogen gas service
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- HPI 500LC - chrome plated body, bonnet and fittings
- HPI 500LS - 316L stainless steel body, bonnet and fittings
- $1 \times 10^{-9}$  mbar l/s He inboard helium leak rate to maintain gas purity levels
- 3 ports flexible configuration
- Maximum inlet pressure 80 bar (1160 psig)
- Cleaned for oxygen service

#### TECHNICAL DATA:

Type	Single stage
Purity	Up to 6.0
Inlet pressure	Max. 80 bar (1160 psi)
Outlet pressure	2,5 – 10 bar (36 – 145 psi) 10 – 50 bar (145 – 725 psi) 50 – 80 bar (725 – 1160 psi)
Flow capacity	Cv = 0,10
Oxygen use	Suitable

#### MATERIALS:

Body, bonnet	316L stainless steel barstock or chrome plated brass barstock
Diaphragm	Hastelloy®*C276
Nozzle	316L stainless steel
Seat	PEEK
Seals O-ring	Viton®** (FKM)
Filter	SS 316L
Adjusting Knob	ABS plastic

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

\*\* Viton® is a registered trademark of The Chemours Company



Model shown with additional accessories to be ordered separately

#### RELATED OPTIONS:

Wall mounting bracket: HPI-L-BPB

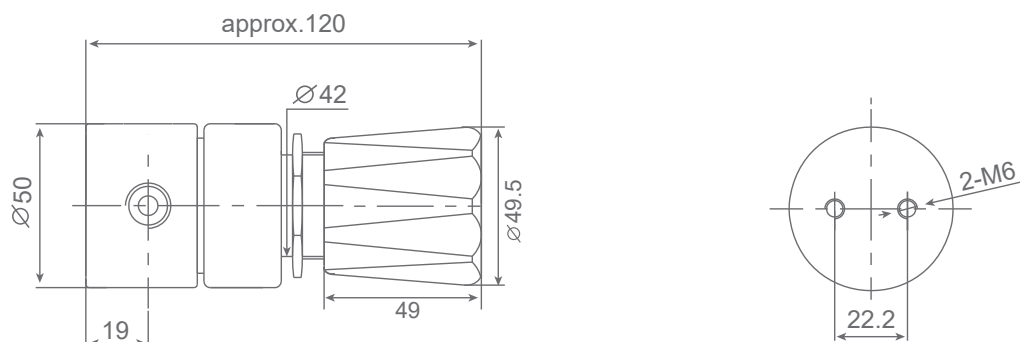
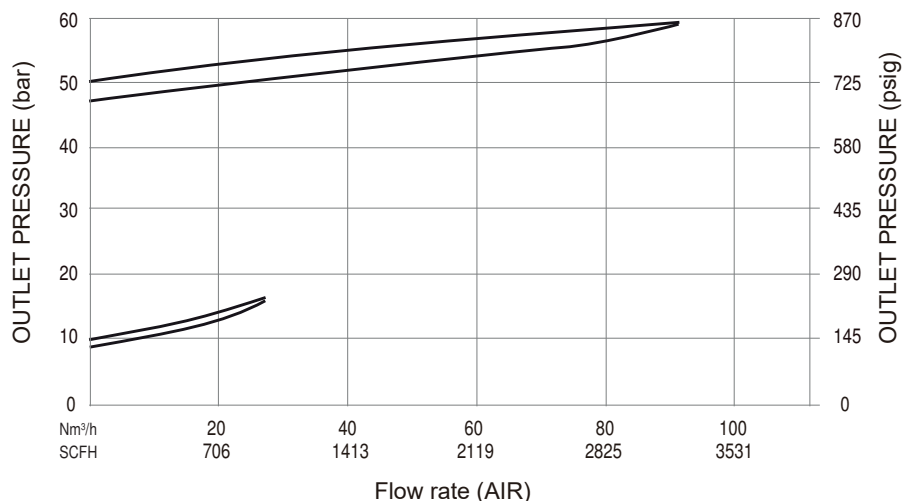


## SPECIFICATIONS:

Inlet / outlet ports	1/4" FNPT
Weight	1,13 kg
Temperature range	-30°C to +74°C

## FLOW CHART:

### HPI 500L



## ORDERING INFORMATION:

MODEL	MATERIAL	INLET CONFIGURATION	CONTROLLED PRESSURE RANGE	INLET CONNECTION	OUTLET CONFIGURATION	OPTIONS	GAS TYPE
HP 500LC	Chrome plated brass	Right (standard)	2,5 - 10 bar 36,25 - 145 psig	1/4" FNPT 000	1/4" FNPT A	He leak cert. (inboard) 2 No gauges 3	Please specify
HP 500LS	Stainless steel		10 - 50 bar 145 - 725 psig 50 - 80 bar 725 - 1160 psig			He leak cert. (outboard) 5 Wall mounting Bracket P	

For example:

HPI 500LC R 145 000 A 2 N<sub>2</sub>