

## PRESSURE REGULATORS FOR NON-CORROSIVE GASES

Cylinder regulators

### LHPI 600

#### HIGH PURITY AND HIGH PRESSURE SINGLE STAGE CYLINDER REGULATOR

The LHPI 600 Model is a single stage barstock high pressure regulator that is designed to deliver high outlet pressure when used on high pressure cylinders up to 300 bar (4350 psig). The regulator is available in chrome plated brass (LHPI 600C) or stainless steel (LHPI 600S) barstock for the pressure control of non-corrosive gases.

#### APPLICATIONS:

- Non-corrosive high pressure gas applications;
- High pressure testing;
- Charging accumulators
- Pressurizing aircraft struts.

#### FEATURES:

- Recommended for non-corrosive gases purity levels up to grade 6.0 (99.9999);
- Metal steel diaphragm eliminates contamination from diffusion or outgassing;
- LHPI 600C - chrome plated body, bonnet and fittings;
- LHPI 600S - 316L stainless steel body, bonnet and fittings;
- 1x10<sup>-9</sup> mbar l/s He inboard helium leak rate to maintain gas purity levels;
- 6 ports flexible configuration, 3 high pressure and 3 low pressure;
- The 1/8" NPT thread on the bonnet venting for safety in 316L SS version;
- Maximum inlet pressure 300 bar (4350 psig);
- Tested for use with oxygen.

PURE GASES



#### MATERIALS

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

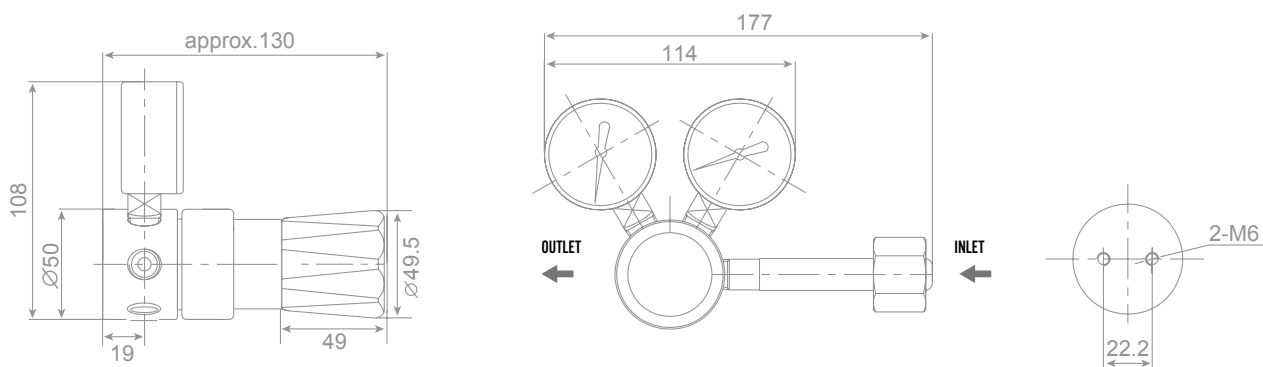
\*Hastelloy® is a registered trademark name of Haynes International, Inc

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

#### TECHNICAL DATA

<b>Type</b>	Single stage
<b>Purity</b>	Up to 6.0
<b>Inlet pressure</b>	Max. 300 bar (4350 psi)
<b>Outlet pressure</b>	50/100/200 bar (720/1450/2900 psi)
<b>Flow capacity</b>	Cv = 0,15
<b>Oxygen use</b>	Suitable

## Cylinder regulators



### SPECIFICATIONS

Inlet connection	to bottle according to UNI standard (other standards on request)
Outlet port	1/4" NPT-F
Weight	2,1 kg
Temperature range	-30°C to +74°C

