

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 applications of non-corrosive gases up to 100 bar (1450 psig) inlet pressure.

APPLICATIONS:

- Non-corrosive 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 for non-corrosive gases purity levels up to grade 6.0 (99.9999) and delivery pressures up to 50 bar (725 psig)
- 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
- The 1/8" NPT thread on the bonnet venting for safety in 316L SS version
- Maximum inlet pressure 100 bar (1450 psig)
- Cleaned for oxygen service

TECHNICAL DATA:

| | |
|-----------------|--|
| Type | Single stage |
| Purity | Up to 6.0 |
| Inlet pressure | Max. 100 bar (1450 psi) |
| Outlet pressure | 2/4/10/20/35/50 bar (29/58/145/290/507/725 psi) |
| Flow capacity | Cv = 1,7 |
| 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 |

SPECIFICATIONS:

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

* 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

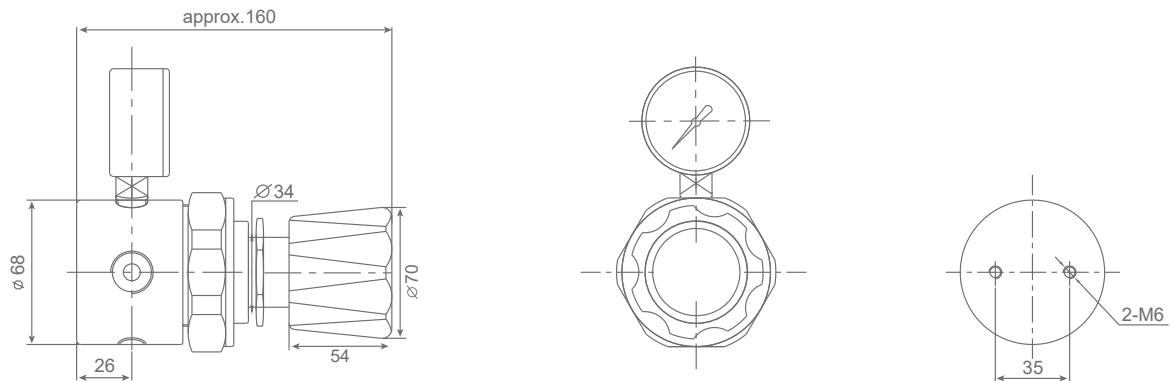
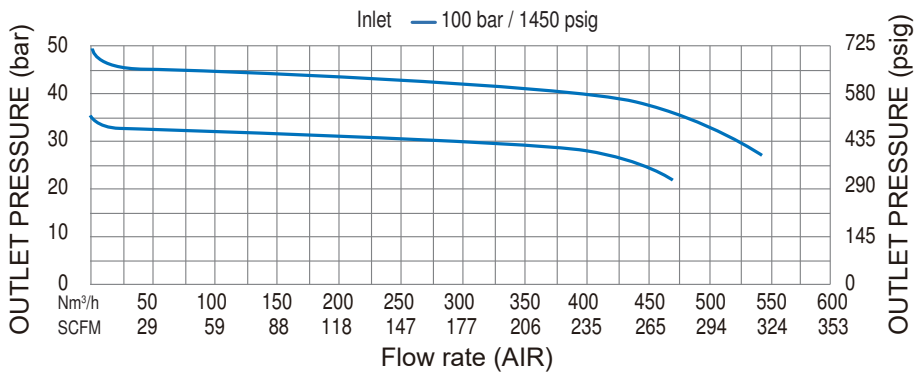
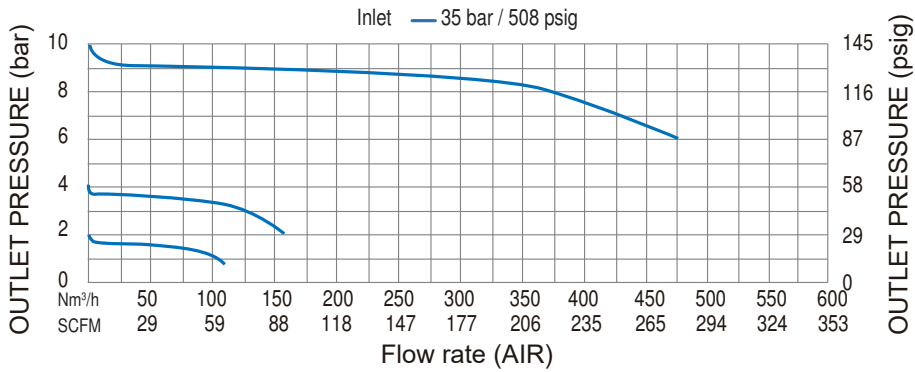
RELATED OPTIONS:

Wall mounting Bracket: HPI-L-BPB



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 | 029 | 1/2" FNPT 000 | 1/2" FNPT A | Please specify |
| HPI 300LS | Stainless steel | Left | L | 0 - 2 bar 0 - 29 psig | 1/2" FNPT 000 | 1/2" FNPT A | He leak cert. (inboard) 2 |
| | | | 0 - 4 bar 0 - 58 psig | No gauges 3 | | | |
| | | | 0 - 10 bar 0 - 145 psig | He leak cert. (outboard) 5 | | | |
| | | | 0 - 20 bar 0 - 290 psig | Wall mounting Bracket P | | | |
| | | | 0 - 35 bar 0 - 507 psig | | | | |
| | | | 0 - 50 bar 0 - 725 psig | 725 | | | |

For example:

HPI 300LC R 507 000 A 2 N₂