

HPI 300

High purity and high flow - single stage barstock cylinder regulator

Model HPI 300 is cylinder regulator available in chrome plated brass (HPI 300C) or stainless steel (HPI 300S) barstock for non-corrosive gases up to 300 bar (4350 psig) inlet pressure.

APPLICATIONS:

- Non-corrosive high flow gas applications
- Research sample systems gases
- Petrochemical industry
- Process analyzer gases
- Emission monitoring systems

FEATURES:

- Recommended for non-corrosive gases purity levels up to grade 6.0 (99.9999) and delivery pressures up to 35 bar (508 psig)
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- HPI 300C - chrome plated body, bonnet and fittings
- HPI 300S - 316L stainless steel body, bonnet and fittings
- 1×10^{-9} 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)
- Cleaned for oxygen service

TECHNICAL DATA:

Type	Single stage
Purity	Up to 6.0
Inlet pressure	Max. 300 bar (4350 psi)
Outlet pressure	2/4/10/20/35 bar (29/58/145/290/508 psi)
Flow capacity	Cv = 1,0
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



Model shown with additional accessories to be ordered separately

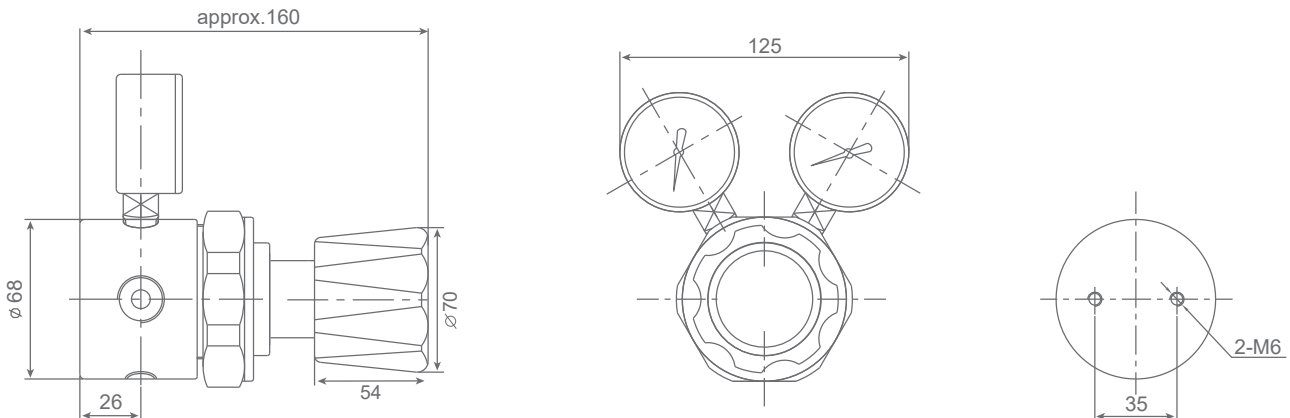
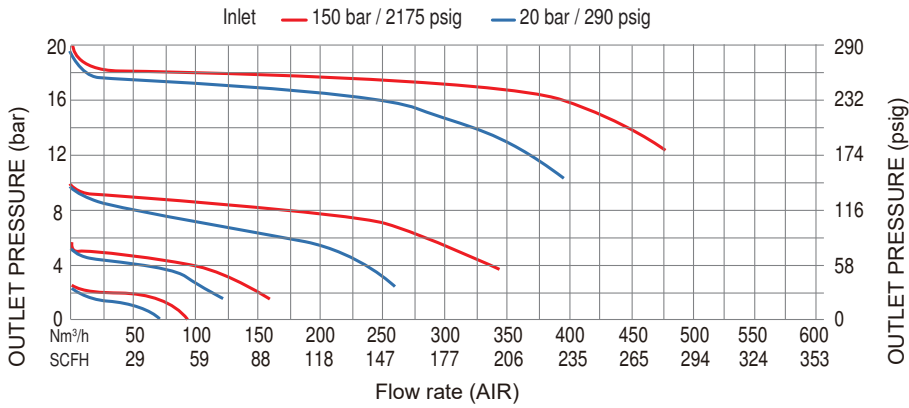
* Hastelloy® is a registered trademark name of Haynes International, Inc
** Viton® is a registered trademark of The Chemours Company

SPECIFICATIONS:

Inlet port	1/4" FNPT
Outlet port	1/2" FNPT
Gauges/Relief valve port	1/4" FNPT
Weight	2,7 kg
Temperature range	-30°C to +74°C

FLOW CHART:

HPI 300



ORDERING INFORMATION:

MODEL	MATERIAL	INLET CONFIGURATION	OUTLET PRESSURE	INLET CONNECTION	OUTLET CONFIGURATION	OPTIONS	GAS TYPE
HPI 300C	Chrome plated brass	Right R	0 - 2 bar 0 - 29 psig	029 1/4" FNPT	000 1/2" FNPT	He leak cert. (inboard) 2	Please specify
HPI 300S	Stainless steel	Left L	0 - 4 bar 0 - 58 psig	058 DIN 477		No gauges 3	
			0 - 10 bar 0 - 145 psig	145 CGA		He leak cert. (outboard) 5	
			0 - 20 bar 0 - 290 psig	290 AFNOR			
			0 - 35 bar 0 - 508 psig	508 BS341			
				UNI			
				NBN			
				NEN 3268			

For example:

HPI 300C R 145 000 A 2 N₂