



HPI 600

High purity and high pressure single-stage cylinder regulator

The Model HPI 600 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). Regulator is available in chrome-plated brass (HPI 600C) or stainless steel (HPI 600S).

APPLICATIONS:

- High pressure gas applications
- High pressure testing
- Charging accumulators
- Pressurizing aircraft struts

FEATURES:

- Recommended gases purity levels up to grade 6.0 (99.9999)
- 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 600C - chrome-plated body, bonnet and fittings
- HPI 600S - 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
- 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 psig)
Outlet pressure	50/100/200 bar (725/1450/2900 psig)
Flow capacity	Kv = 0,129 (Cv = 0,15)
Gauges	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



Model shown with additional accessories to be ordered separately

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

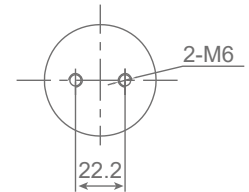
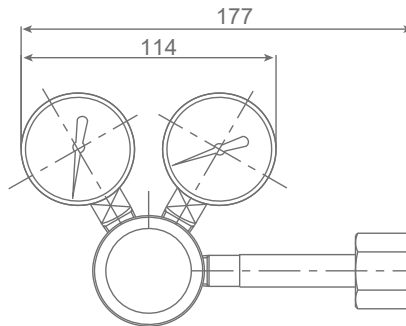
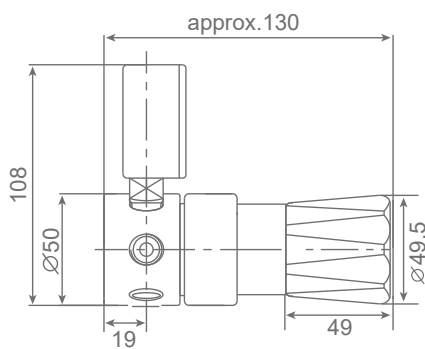
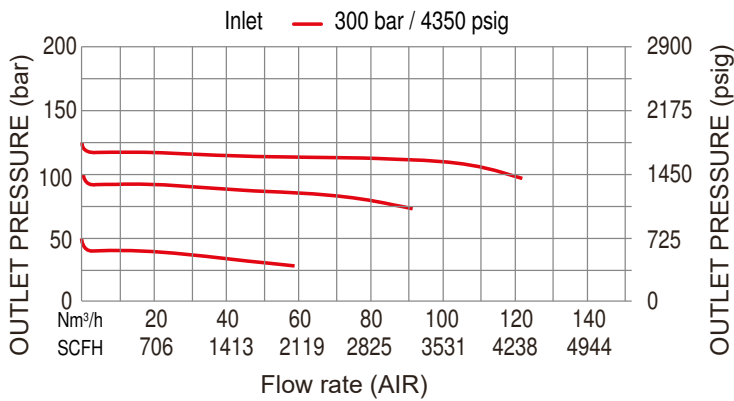
** Viton® is a registered trademark of The Chemours Company

*** Kalrez® is a registered trademark of DuPont

SPECIFICATIONS:

Inlet port / outlet ports	1/4" FNPT
Weight	1,2 kg

FLOW CHART: HPI 600



ORDERING INFORMATION:

MODEL	MATERIAL	INLET CONFIGURATION		OUTLET PRESSURE		INLET CONNECTION*		OUTLET CONFIGURATION		OPTIONS		GAS TYPE
HPI 600C	Chrome-plated brass	Right (standard)	R	0 - 50 bar 0 - 720 psig	725	1/4" FNPT	000	1/4" FNPT	A	He leak cert. (inboard)	2	
HPI 600S	Stainless steel	Left	L	0 - 100 bar 0 - 1450 psig	1450	DIN 477	D...	1/4" diaphragm valve	B	No gauges	3	
				0 - 200 bar 0 - 2900 psig	2900	CGA	C...	1/4" tube fitting	D	Corrosive Gases	7	
						AFNOR	NF...	6 mm tube fitting	F	Wall Bracket	P	
						BS341	BS...	8 mm tube fitting	G	High Pressure Contact Gauge	HPCG	
						UNI	U...	10 mm tube fitting	H	Low Pressure Contact Gauge	LPCG	
						NEN 3268	N...	G3/8" RH	I	Diaphragm Valve with Lever	DVL	
Other options upon request, please contact us						ISO 5145	I...	G3/8" LH	J			
								G1/4" RH	K			

Other options upon request, please contact us

For example:

HPI 600C R 720 000 A 2 Ar

* To indicate the requested inlet connection please see pages 83 - 85