

HPI 400TP

High Purity – plate mounted point of use

Model HPI 400TP is a plate mounted point of use regulator available in chrome plated brass (HPI 400TPC) or stainless steel (HPI 400TPS) barstock for pressure control of non-corrosive gases.

APPLICATIONS:

- High purity gas applications
- Research sample systems gases
- Gas chromatography
- Calibration gas
- Process analyzer gases

FEATURES:

- Recommended for non-corrosive gases purity levels up to Grade 6.0 (99.9999)
- Ready to install plate mounting panel, modular design
- 1 inlet port configuration - back inlet
- 1 outlet port configuration - bottom
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- Diaphragm inlet shut-off valves
- HPI 400TPC - chrome plated body, bonnet and fittings
- HPI 400TPS - 316L stainless steel body, bonnet and fittings
- 1×10^{-9} mbar l/s He inboard helium leak rate to maintain gas purity levels
- Inlet / outlet - 1/4" FNPT
- Maximum inlet pressure 60 bar (870 psig)
- Cleaned for oxygen service



Model shown with additional accessories to be ordered separately

TECHNICAL DATA:

Regulator type	Single stage
Purity	Up to 6.0
Inlet pressure	Max. 60 bar (870 psig)
Outlet pressure	2/4/10 bar (29/58/145 psi) 20 bar (290 psig)
Flow capacity	Cv = 0,12
Oxygen use	Suitable

MATERIALS:

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

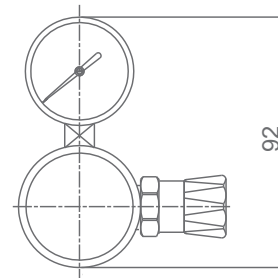
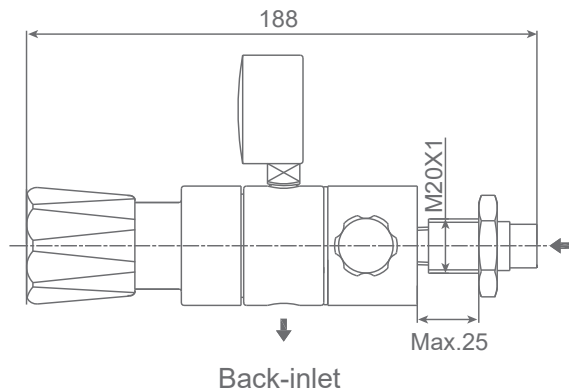
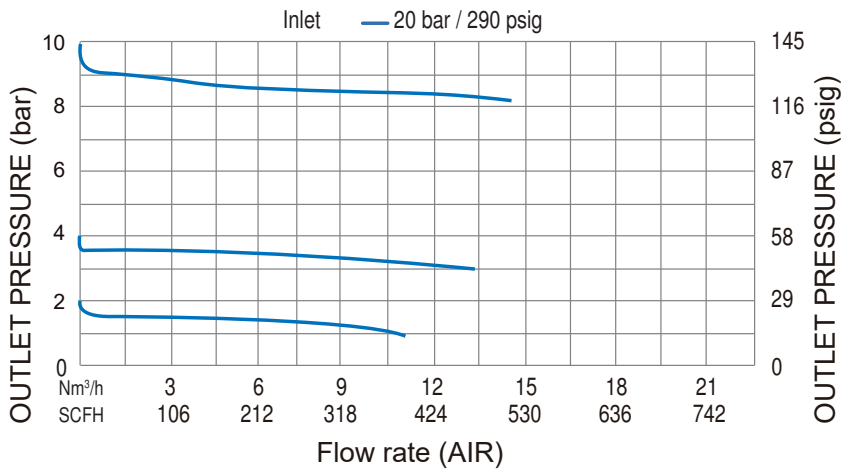
* Hastelloy® is a registered trademark name of Haynes International, Inc
** Viton® is a registered trademark of The Chemours Company

SPECIFICATIONS:

Inlet / outlet ports	1/4" FNPT
Weight	0,8 kg
Temperature range	-30°C to +74°C

FLOW CHART:

HPI 400TP



ORDERING INFORMATION:

MODEL	MATERIAL	OUTLET PRESSURE	INLET CONNECTION	OUTLET CONFIGURATION	GAS TYPE
HPI 400TPC	Chrome plated brass	0 - 2 bar 0 - 29 psig	1/4" FNPT	1/4" FNPT	Please specify
HPI 400TPS	Stainless steel	0 - 4 bar 0 - 58 psig		1/4" tube fitting	
		0 - 10 bar 0 - 145 psig		1/8" tube fitting	
				6 mm tube fitting	

For example:

HPI 400TPC 145 000 E N₂