

HPI 500TP High Purity – compact point of use

Model HPI 500TP is a compact aluminium point of use regulator 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 wall mounting panel, modular design
- Two inlet and two outlet port configuration
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- Diaphragm inlet shut-off valves
- 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)

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	Unsuitable

MATERIALS:

Body, bonnet	Aluminium 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



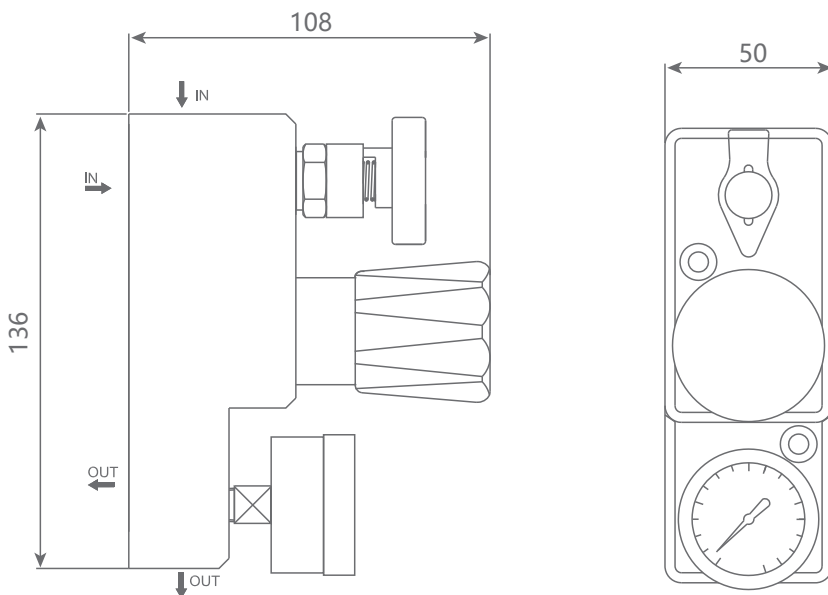
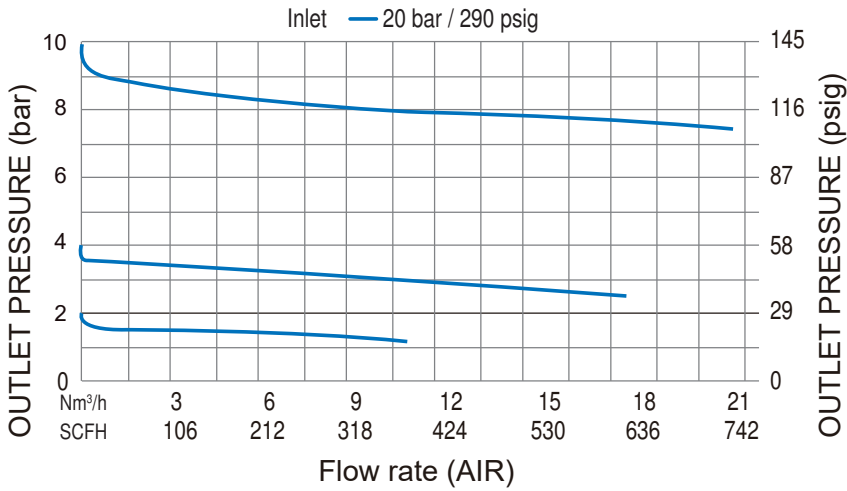
Model shown with additional accessories to be ordered separately

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

SPECIFICATIONS:

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

FLOW CHART: HPI 500TP



ORDERING INFORMATION:

MODEL	MATERIAL	OUTLET PRESSURE		INLET CONNECTION		OUTLET CONFIGURATION		GAS TYPE
HPI 500TP	Aluminium barstock	0 - 2 bar 0 - 29 psig	029	1/4" FNPT	000	1/4" FNPT	A	Please specify
		0 - 4 bar 0 - 58 psig	058	1/4" tube fitting	002	1/4" tube fitting	D	
		0 - 10 bar 0 - 145 psig	145	6 mm tube fitting	003	1/8" tube fitting	E	
						6 mm tube fitting	F	

For example:

HPI 500TPC 145 000 E N₂