### ■ HPI 100TP

# High purity - wall mounted point of use

Model HPI 100TP is a wall mounted point of use regulator available in chrome plated brass (HPI 100TPC) or stainless steel (HPI 100TPS) 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)
- Wall mounting panel and brackets included
- Ready to install wall mounting panel, modular design
- Based on HCl 100L regulator
- 3 inlet port available configuration top is standard
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- Diaphragm inlet shut-off valves
- Modular design
- HPI 100TPC chrome plated body, bonnet and fittings
- HPI 100TPS 316L stainless steel body, bonnet and fittings
- 1x10<sup>-9</sup> mbar l/s He inboard helium leak rate to maintain gas purity levels
- Inlet / outlet 1/4" FNPT
- Maximum inlet pressure 40 bar (580 psig)
- Cleaned for oxygen service

#### TECHNICAL DATA:

Regulator type	Single stage				
Purity	Up to 6.0				
Inlet pressure	Max. 40 bar (580 psi)				
Outlet pressure	2/4/10 bar (29/58/145 psi) 20 bar (290 psig) on request				
Flow capacity	Cv = 0.07				
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 0-ring	Viton®** (FKM)
Filter	SS 316L
Adjusting Knob	ABS plastic

<sup>\*</sup> Hastelloy® is a registered trademark name of Haynes International, Inc



Model shown with additional accessories to be ordered separately

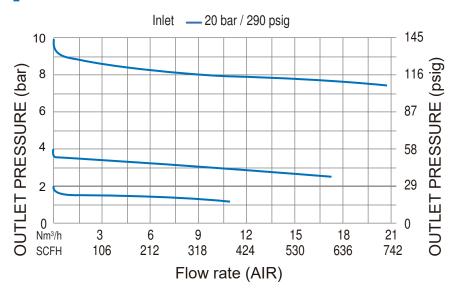


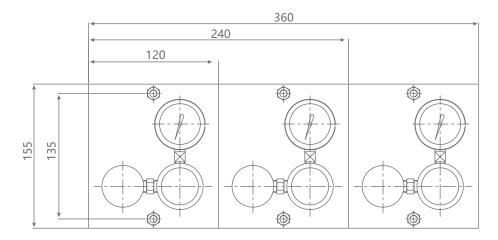
<sup>\*\*</sup> Viton® is a registered trademark of The Chemours Company

# **SPECIFICATIONS:**

Inlet / outlet ports	1/4" FNPT	
Weight	2,5 kg	
Temperature range	-30°C to +74°C	

# FLOW CHART: HPI 100TP





## ORDERING INFORMATION:

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MODEL	MATERIAL	OUTLET PRESSURE		INLET CONNECTION		OUTLET CONFIGURATIO	N	INLET OPTIONS		GAS TYPE	
HPI 100TPC	Chrome plated brass	0 - 2 bar 0 - 29 psig	029	1/4" FNPT	000	1/4" FNPT	Α	Top (standard)	Α	Please specify	
HPI 100TPS	Stainless steel	0 - 4 bar 0 - 58 psig	058	1/4" tube fitting	002	1/4" tube fitting	D	Bottom	В		
		0 - 10 bar 0 - 145 psig	145	6 mm tube fitting	003	1/8" tube fitting	Е	Left side	С		
						6 mm tube fitting	F				
For example:											
HPI 100TPC			145		000		F		Α	N <sub>o</sub>	

