#### ■ 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
- 1x10-9 mbar I/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



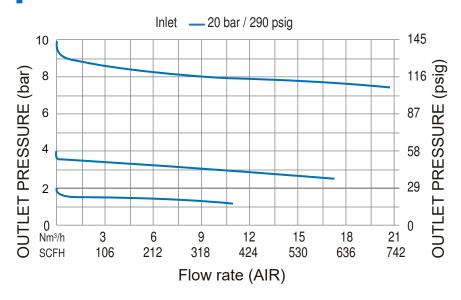
Model shown with additional accessories to be ordered separately

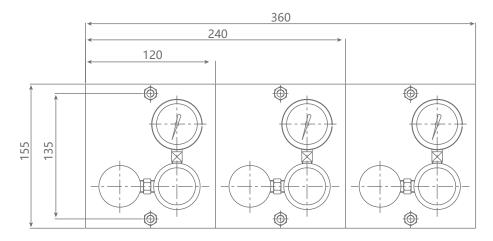


<sup>\*\*</sup> Viton® is a registered trademark of The Chemours Company

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>



#### ■ HPI 101TP

## High purity - wall mounted point of use slim version

Model HPI 101TP is a wall mounted point of use regulator available in chrome plated brass (HPI 101TPC) or stainless steel (HPI 101TPS) 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
- Ergonomic, slim design
- 1 inlet port available configuration top is standard
- 3 outlet port possible configuration on request
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- Diaphragm inlet and outlet shut-off valves
- HPI 101TPC chrome plated body, bonnet and fittings
- HPI 101TPS 316L stainless steel body, bonnet and fittings
- 1x10-9 mbar I/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







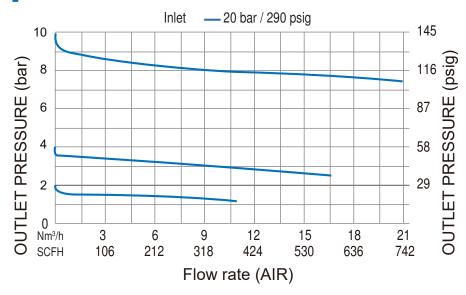
Models shown with additional accessories to be ordered separately

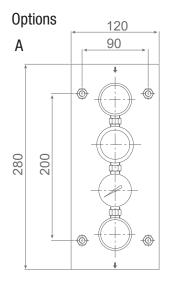


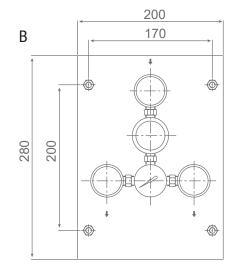
<sup>\*\*</sup> Viton® is a registered trademark of The Chemours Company

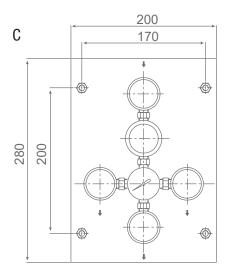
Inlet / outlet ports	1/4" FNPT	
Weight	4,1 – 5,7 kg	
Temperature range	-30°C to +74°C	

## FLOW CHART: HPI 101TP









#### ORDERING INFORMATION:

MODEL	MATERIAL	OUTLET PRESSURE		INLET CONNECTION		OUTLET CONFIGURATION	N	OPTIONS		GAS TYPE
HPI 101TPC	Chrome plated brass	0 - 2 bar 0 - 29 psig	029	1/4" FNPT	000	1/4" FNPT	Α	Single	Α	Please specify
HPI 101TPS	Stainless steel	0 - 4 bar 0 - 58 psig	058	1/4" tube fitting	002	1/4" tube fitting	D	Dual	В	
		0 - 10 bar 0 - 145 psig	145	6 mm tube fitting	003	1/8" tube fitting	E	Tripple	С	
						6 mm tube fitting	F			
For example:										

145

000



HPI 101TPC

Ε

#### ■ HPI 300TP

## **High purity - bench mounted point of use**

Model HPI 300TP is a bench mounted point of use regulator available in chrome plated brass (HPI 300TPC) or stainless steel (HPI 300TPS) 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:**

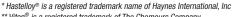
- Recommended for non-corrosive gases purity levels up to grade 6.0 (99.9999)
- Ready to install bench mounting panel, modular design
- 1 inlet port configuration bottom
- 1 outlet port configuration bottom
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- Diaphragm inlet shut-off valves
- HPI 300TPC chrome plated body, bonnet and fittings
- HPI 300TPS 316L stainless steel body, bonnet and fittings
- 1x10-9 mbar I/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

### **TECHNICAL DATA:**

Regulator type	Single stage
Purity	Up to 6.0
Inlet pressure	Max. 60 bar (780 psi)
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 0-ring	Viton®** (FKM)
Filter	SS 316L
Adjusting Knob	ABS plastic



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

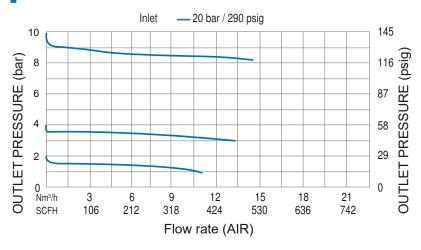


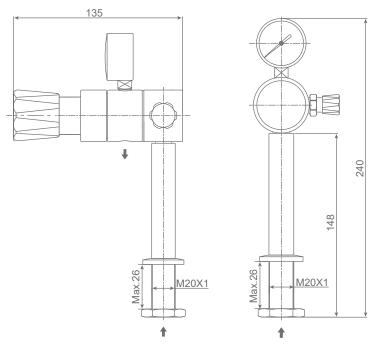
Model shown with additional accessories to be ordered separately



Inlet / outlet ports	1/4" FNPT
Weight	1,6 kg
Temperature range	-30°C to +74°C

## FLOW CHART: HPI 300TP





## ORDERING INFORMATION:

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MODEL	MATERIAL	OUTLET PRESSURE		INLET CONNECTION		OUTLET CONFIGURATION		GAS TYPE
HPI 300TPC	Chrome plated brass	0 - 2 bar 0 - 29 psig	029	1/4" FNPT	000	1/4" FNPT	Α	Please specify
HPI 300TPS	Stainless steel	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:								

000

145



HPI 300TPC

 $N_2$ 

#### ■ HPI 301TP

## High purity - wall mounted point of use

Model HPI 301TP is a wall mounted point of use regulator available in chrome plated brass (HPI 301TPC) or stainless steel (HPI 301TPS) 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 wall mounting panel, modular design
- 1 inlet port configuration top
- 1 outlet port configuration bottom
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- Diaphragm inlet shut-off valves
- HPI 301TPC chrome plated body, bonnet and fittings
- HPI 301TPS 316L stainless steel body, bonnet and fittings
- 1x10<sup>-9</sup> mbar I/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

# 100 sq 12 100 psi 16 bar 16 CHARRIS. SPECIALTY GAS

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 psi)
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 0-ring	Viton®** (FKM)				
Filter	SS 316L				
Adjusting Knob	ABS plastic				

#### RELATED OPTIONS:

Wall mounting Bracket: HPI-L-BPB



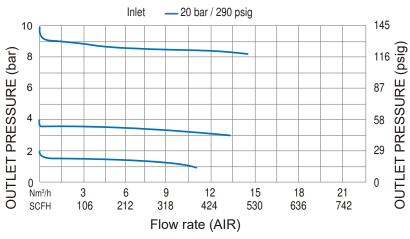


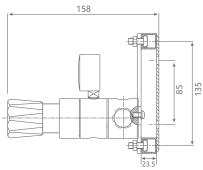
 $<sup>^{\</sup>star}$  Hastelloy  $\!\!\!^{\text{\tiny{8}}}$  is a registered trademark name of Haynes International, Inc

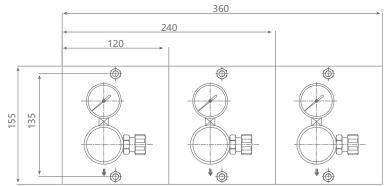
<sup>\*\*</sup> Viton® is a registered trademark of The Chemours Company

Inlet / outlet ports	1/4" FNPT			
Weight	1,16 kg			
Temperature range	-30°C to +74°C			

## FLOW CHART: HPI 301TP







## ORDERING INFORMATION:

MODEL	MATERIAL	OUTLET PRESSURE		INLET CONNECTION		OUTLET CONFIGURATION	I	GAS TYPE
HPI 301TPC	Chrome plated brass	0 - 2 bar 0 - 29 psig	029	1/4" FNPT	000	1/4" FNPT	Α	Please specify
HPI 301TPS	Stainless steel	0 - 4 bar 0 - 58 psig	058	1/4" tube fitting	002	1/4" tube fitting	D	оросу
		0 - 10 bar 0 - 145 psig	145	6 mm tube fitting	003	1/8" tube fitting	E	
		c o polg				6 mm tube fitting	F	
						Wall mounting Bracket	Р	
For example:								
HPI 301TPC			145		000		Е	$N_2$



#### ■ 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
- 1x10<sup>-9</sup> mbar I/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 0-ring	Viton®** (FKM)
Filter	SS 316L
Adjusting Knob	ABS plastic

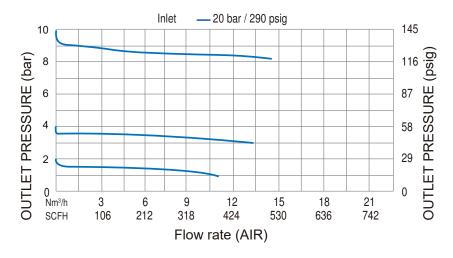
<sup>\*</sup> Hastelloy® is a registered trademark name of Haynes International, Inc

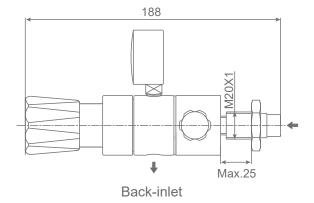


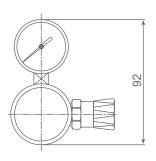
<sup>\*\*</sup> Viton® is a registered trademark of The Chemours Company

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	029	1/4" FNPT	000	1/4" FNPT	Α	Please specify
HPI 400TPS	Stainless steel	0 - 4 bar 0 - 58 psig	058			1/4" tube fitting	D	
		0 - 10 bar 0 - 145 psig	145			1/8" tube fitting	E	
						6 mm tube fitting	F	
For example:								

145

000



HPI 400TPC

 $N_2$ 

## ■ 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
- 1x10<sup>-9</sup> mbar I/s He inboard helium leak rate to maintain gas purity levels
- Inlet / outlet 1/4" FNPT
- Maximum inlet pressure 60 bar (870 psig)



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:**

Aluminium barstock
Hastelloy®*C276
Hastelloy®*C276
316L stainless steel
PEEK
Viton®** (FKM)
SS 316L
ABS plastic



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

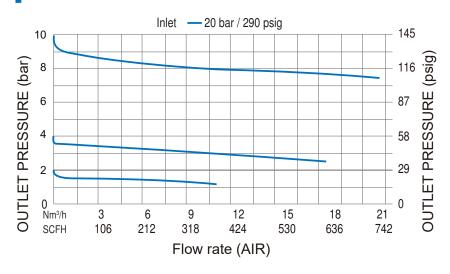


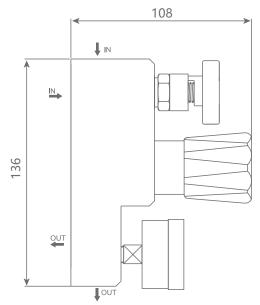
Model shown with additional accessories to be ordered separately



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	Α	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		Е	$N_2$

