

# Cylinder pressure regulator HP 101

- dual stage in brass, nickel and matt chrome plated or stainless steel electropolished



## Description:

The pressure regulator HP 101 is a two stage cylinder pressure regulator and has been developed especially for the gas supply of pure and mixed gases from single cylinders. Two stage regulators will be used when a stable outlet pressure is required (even if the inlet pressure drops, discharging of cylinder). The HP 101 regulator is fitted as a standard with gas specific connections to DIN 477 or any other common national standard as well as a relief valve.

## Application area:

Especially for gases with high requirements on purity up to 6.0 and for laboratories and analytics.

For absolutely stable working pressures

Our special cleaning system for the HP Series also guarantees the use for ECD applications

## Technical details:

Body:	stainless steel 1.4404 electropolished or brass, nickel and matt chrome plated
seat:	PCTFE
Diaphragm:	1.4435
Leakage rate: against atmosphere	$10^{-8}$ mbar l/s He
Gas purity:	$\leq 6.0$
Max. Inlet pressure:	300 bar
Outlet pressure ranges:	0,1-1; 1-3; 1-6; 1-12 bar
Operating temp.:	-20 °C up to +70 °C
Gauges:	Safety version to EN 837-1 KL1,6
Dimensions (wxhxd):	136 x 150 x 205
Weight:	2100g

## Hornung Quality standard

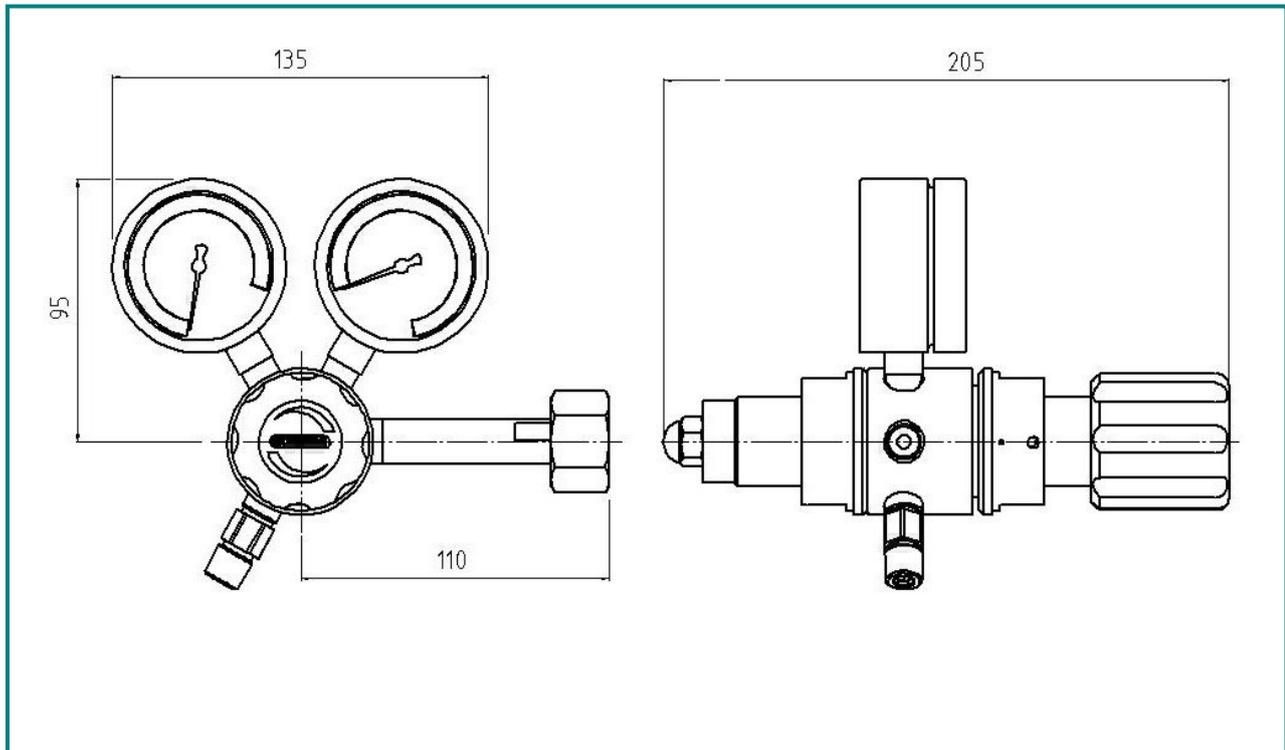
The company Hornung is certified to **DIN EN ISO 9001**

All single parts are manufactured, assembled and tested by in-house production.

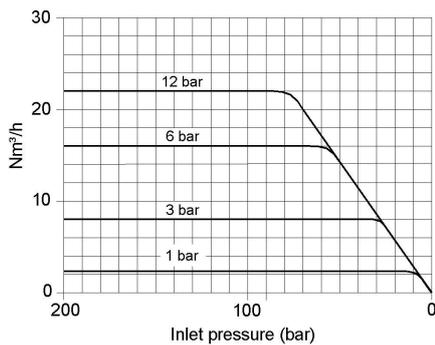
The finished parts are therefore under all criteria of our German quality control with 100% final inspection.

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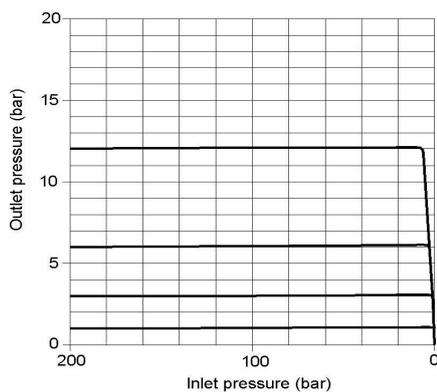
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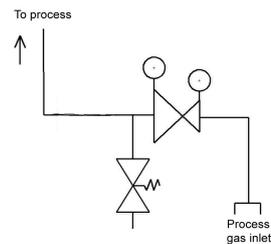
### Performance curve HP 101



### Dynamic flow curve HP 101



### Flow diagram:



### Ordering Information:

#### Material:

- 1 = stainless steel
- 2 = brass

#### Inlet pressure:

- 1 = 200 bar
- 2 = 300 bar

#### Outlet pressure ranges:

- 1 = 0,1 - 1 bar
- 2 = 0,1 - 3 bar
- 3 = 1 - 6 bar
- 4 = 1 - 12 bar

#### Options for the outlet:

- 0 = 1/4" NPT – internal thread
- 1 = compression fitting 6mm
- 2 = Diaphragm shut-off valve
- 3 = Diaphragm metering valve

Regulator type	2-stage
without purging	67

### Accessories:

See total catalogue segment

5. Diaphragm shut-off and metering valves
6. Gauges, screws, compression fittings cylinder holders and accessories

67-	1	1	2	0	Gas
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Type Mat. Inlet Outlet Option Gas type