

# Line pressure regulator HP 310

- single stage (4-port) max. 40 bar inlet pressure



Gauges optional

## Description:

HP 310 is a single stage line pressure regulator and recommended especially for the control of high purity gases. HP 310 can be fitted with an inlet and outlet pressure gauge or can be combined with diaphragm shut-off valve HP 500 or diaphragm metering valve HP 503.

## Application area:

For integration in small spaces / instrumentation

For integrating in pipe systems or (analytical) instruments

High purity gas quality in science and research

Due to special cleaning system also suitable for ECD application.

## 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:	40 bar
Outlet pressure ranges:	0,1-1; 0,1-3; 1-6; 1-10 bar
Operating temp.:	-20 °C to +70 °C
Gauge:	Safety version to EN 837-1 KL1,6
Dimensions (wxhxd):	50 x 103 x 86
Weight:	605g
Threads:	in- and outlet G 1/4 f

## Hornung Quality standard

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

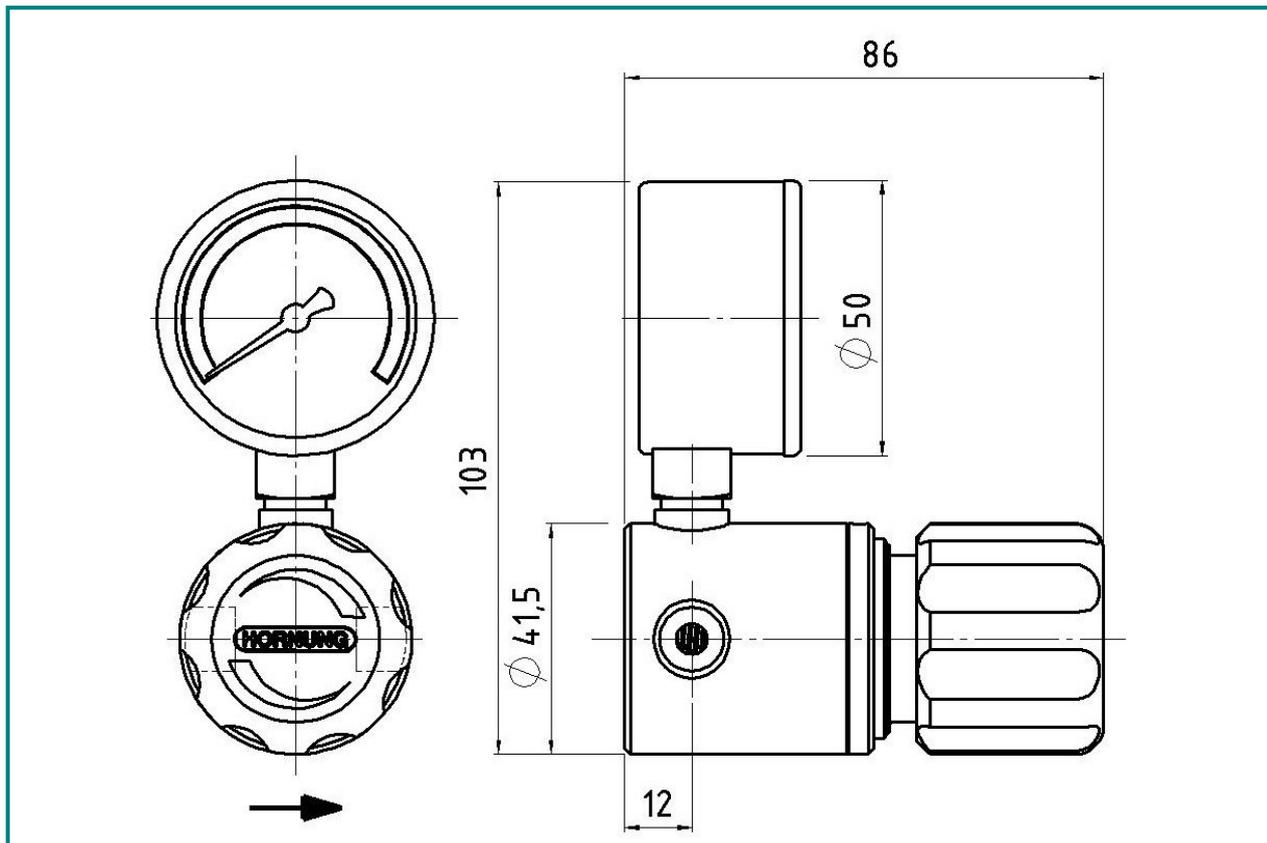
All single parts are manufactured, assembled  
and tested by in-house production.

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

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#### Accessories:

See total catalogue segment

- 5. Diaphragm shut-off and metering valve
- 7. Gauges, compression fittings and accessories

#### Ordering information:

##### Material:

- HP310** = stainless steel electropolished
- HP310MS** = brass, nickel and matt chrome Plated

##### Inlet:

- 1 = from the left to the right
- 2 = from the right to the left

##### Outlet pressure ranges:

- 1 = 0,1 - 1 bar
- 2 = 0,1 - 3 bar
- 3 = 1 - 6 bar
- 4 = 1 - 10 bar

##### Gauge:

- 1 = Without gauges
- 2 = Outlet gauge (working pressure)

##### Inlet – and Outlet Option:

- 0 = G 1/4" f
- 3 = compression fitting 3 mm
- 6 = compression fitting 6 mm
- 8 = compression fitting 8 mm
- 10 = compression fitting 10mm
- 12 = compression fitting 12mm

#### Ordering example:

<b>HP310-</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>Medium</b>
Type	Inlet	P2	Gauge	Option	Medium