Line pressure regulator HP 300 - single stage (6-port) max. 300 bar inlet pressure



Fittings and gauges optional

TECHNICAL DETAILS

Body: stainless steel 1.4404

electropolished or brass, nickel and matt chrome plated

Seat: PCTFE

Diaphragm: 1.4435

Leakage rate: 10⁻⁸ mbar l/s He

against atmosphere

Gas purity: < 6.0

Max. inlet pressure: 300 bar

Outlet pressure 0,1-1; 0,1-3; 1-6; ranges: 1-12; 1-17 bar

Operating temp.: -20°C to +70°C

Gauges: safety version

to EN 837-1 KL1,6

Dimensions

(wxhxd): 112 x 124 x 117 mm

Weight: 1350 g

Threads: NPT 1/4" f

APPLICATION AREA

Especially for gases with high requirements of purity up to 6.0 for labratories and analytics. In case of our cleaning method the cylinder pressure regulator is ECD capable.

Stainless steel version allows the usage of aggresessive gases.

We recommend the installation of suitable safty valves to secure following equipment from improper high pressure.

DESCRIPTION

The line pressure regulator HP 300 is a single stage pressure regulator, brass nickel and matt chrome plated or stainless steel 1,4404 electropolished.

It is designed as a diaphragm pressure regulator.

The HP 300 reduces the pressure of compressed gases or fluids to a maximum outlet pressure of 17 bar.

It can be equiped optionally with in and outlet gauges.

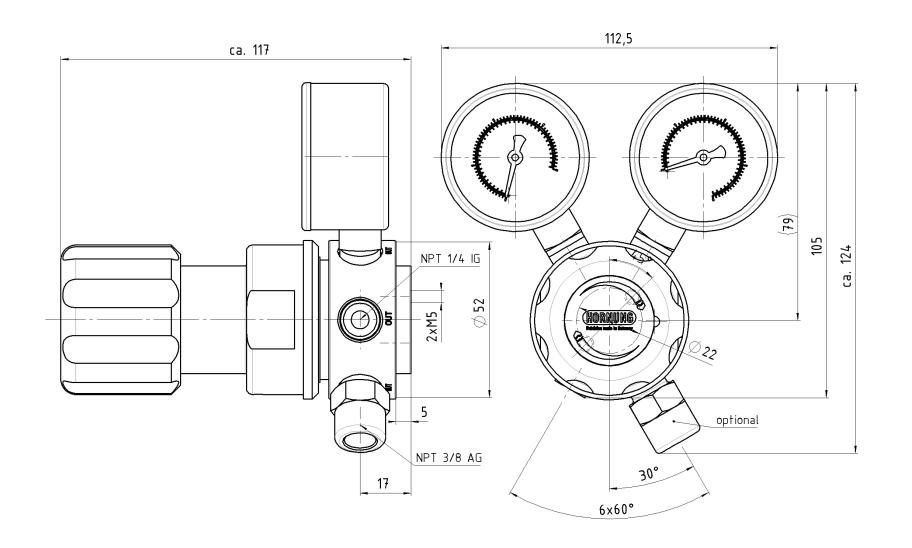
Special characteristics:

The line pressure regulator HP 300 is characterized through his high control accuracy at the pressure area from up to 17 bar.

QUALITY STANDARD

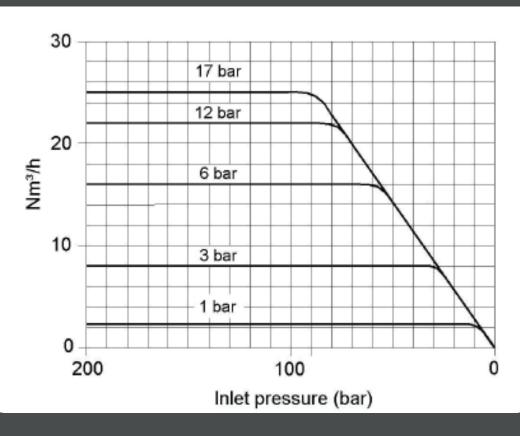
The company Hornung is certified to **DIN EN ISO 9001:2015** and **ISO 14001:2015**. All single parts are manufactured, assembled and tested by in-house production. The finished parts are therefore under all criteria of German quality control with 100% final inspection.

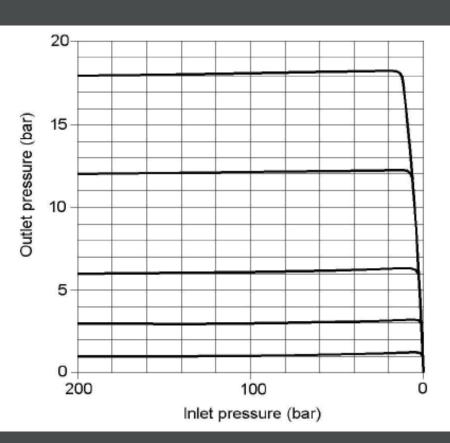




PERFORMANCE CURVE

DYNAMIC FLOW CURVE





ORDER DETAILS

electropolished th 2 = brass, nickel and 2 = from	Outlet pressure ranges: 1 = 0,1 - 1 bar 2 = 0,1 - 3 bar e left 3 = 1 - 6 bar 4 = 1 - 12 bar 5 = 1 - 17 bar	Gauges: 1 = without gauges 2 = outlet gauge (working pressure) 3 = in- and outlet gauges	Inlet and outlet option: 0 = NPT 1/4" f 3 = compression fitting 6 = compression fitting 10 = compression fitting 12 = compression fitting	g 3 mm g 6 mm g 8 mm g 10 mm
Regulator type 1-stage	HP300- 1	2 3		Gas type
HP300 6-port	Type Material	Inlet Pressure		Gas type

Accessories: See total catalogue segment

7. Gauges, compression fittings and accessories