

Cylinder pressure regulator HP 103

- dual stage in stainless steel electropolished
- with purge system for corrosive gases



Description:

HP 102 is a dual stage cylinder regulator with integrated inert gas purge system

The regulator is equipped as a standard with gas specific cylinder connection according DIN 477 or other common national standards, relief valve and inert gas purge system on the high pressure side.

Dual stage regulators will be preferred when the working pressure should be absolutely stable (even if the inlet pressure drops, discharging of cylinder) or when the working pressure is very low.

Application area:

For corrosive gases and gas mixtures with high requirements on safety, tightness and compatibility of material.

Technical Details:

Body:	stainless steel 1.4404 electropolished
Seat:	PCTFE
Membrane:	1.4435
Leakage rate: against atmosphere	10^{-8} mbar l/s He
Purity:	≤ 6.0
Max. pressure inlet:	300 bar
Outlet pressure ranges:	0,1-1; 0,1-3; 1-6; 1-12 bar
Operating temp.:	-20°C up to +70°C
Gauge:	Safety version to EN 837-1 KL1,6
Dimensions (wxhxd):	205 x 95 x 205
Weight:	2900g
Connections:	NPT 1/4" f

Hornung Quality standard

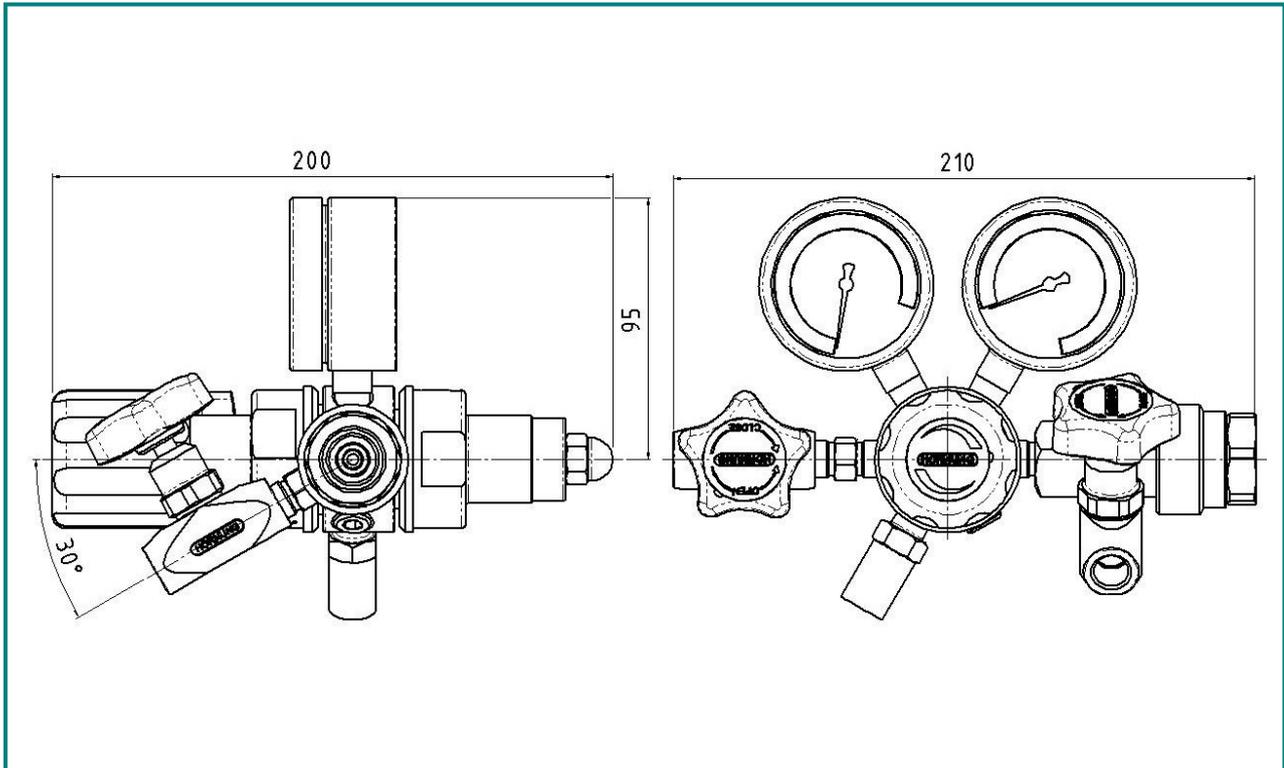
The company Hornung is certified to **DIN EN ISO 9001**

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

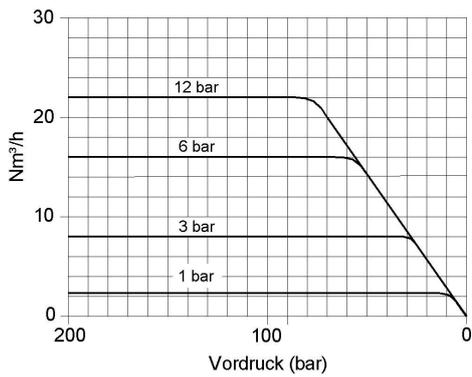
The finished parts are therefore under all criteria of German quality control with 100% final inspection.

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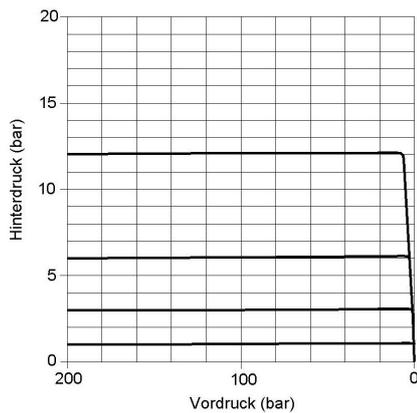
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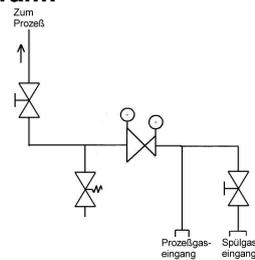
Performance curve HP 103



Dynamic flow curve HP 103



Flow diagram:



Ordering information:

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 f
- 1 = compression fitting 6 mm
- 2 = Membrane shut-off valve
- 3 = Diaphragm metering valve

Ordering example:

Regulator type	2-stage
With purge system	69

69-	2	1	2	2	Gasart
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Type Mat. P1 P2 Opt. Type of gas

Accessories:

See total catalogue segment

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