

Cylinder pressure regulator HP 102

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



Description:

HP 102 is a single 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.

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
Diaphragm:	1.4435
Leakage rate:	10^{-8} mbar l/s He against atmosphere
Purity:	≤ 6.0
Max. pressure inlet:	300 bar
Outlet pressure ranges:	0,1-3, 1-6; 1-12; 1-17 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:	2200g
Threads:	NPT 1/4" f

Hornung Quality standard

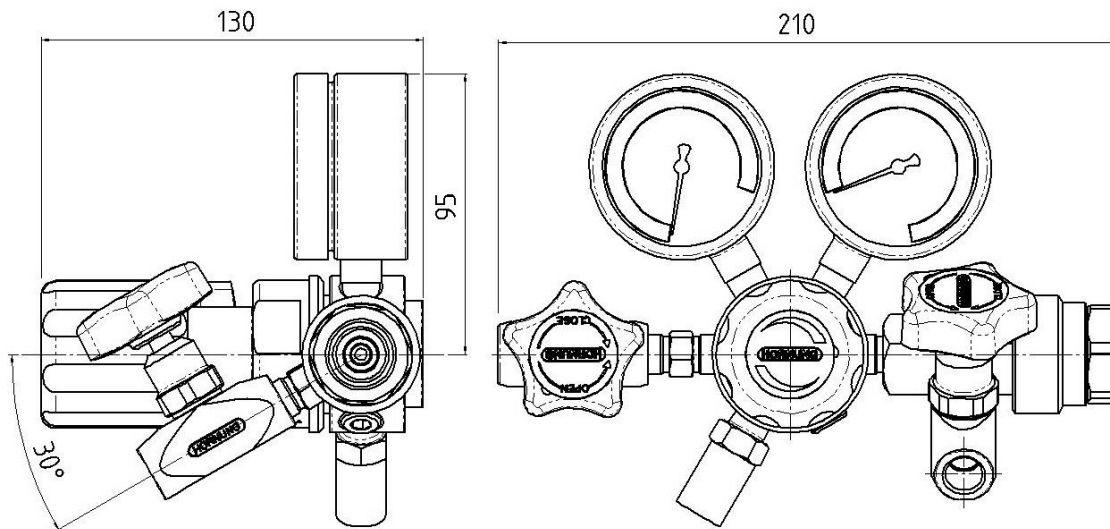
The company Hornung is certified to **DIN EN ISO 9001**

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

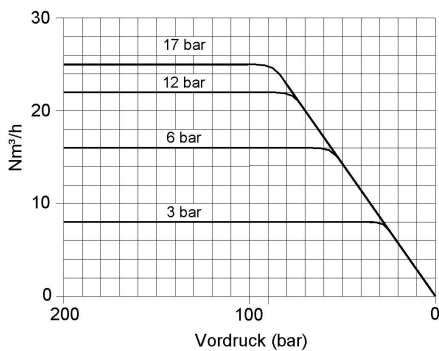
The finished parts are therefore under all criteria of German quality control with 100% final inspection.

Ferdinand Hornung GmbH & Co. KG
Rathenaustraße 55, 63263 Neu-Isenburg

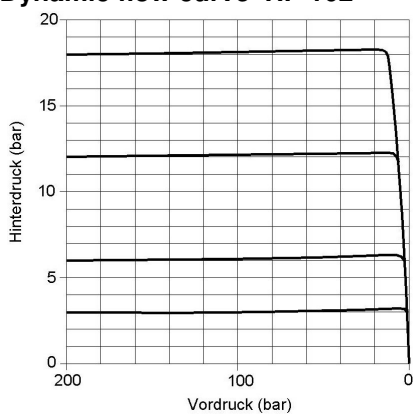
Tel: (0 61 02) 78 83 - 70 www.hornung.org
Fax: (0 61 02) 78 83 - 40 info@hornung.org



Performance curve HP 102



Dynamic flow curve HP 102

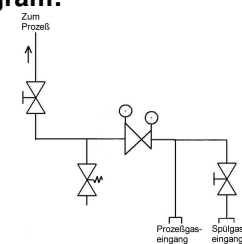


Accessories:

See total catalogue segment

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

Flow diagram:



Ordering information:

Inlet pressure:

- 1 = 200 bar
- 2 = 300 bar

Outlet pressure ranges:

- 2 = 0,1 - 3 bar
- 3 = 1 - 6 bar
- 4 = 1 - 12 bar
- 5 = 1 - 17 bar

Options for the outlet:

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

Ordering example:

Regulator type	1-stage
With purge system	68

68- 1 1 2 2 Gasart

Type Mat. P1 P2 Opt. Type of gas