

Line pressure regulator HP 304

- single stage (4-port) for low outlet pressure and max. 40 bar inlet pressure



Fittings and gauges optional

TECHNICAL DETAILS		APPLICATION AREA	DESCRIPTION
Material:	Brass, nickel and matt chrome plated or stainless steel 1.4404 electropolished	Especially for gases with high requirements of purity up to 6.0 for laboratories and analytics.	The line pressure regulator HP 304 is a single stage pressure regulator, brass nickel and matt chrome plated or stainless steel 1.4404 electro polished.
Seat:	PCTFE	In case of our cleaning method the cylinder pressure regulator is ECD capable.	It is designed as a diaphragm pressure regulator and especially made for low outlet pressure.
Diaphragm:	Hastelloy® (2.4819)	Stainless steel version allows the usage of aggressive gases.	The HP 304 reduces the pressure of compressed gases or fluids to a maximum outlet pressure of 3 bar.
Leakage rate:	10 ⁻⁸ mbar l/s Helium leak test	We recommend the installation of suitable safety valves to secure following equipment from improper high pressure.	It can be equipped optionally with an outlet gauge.
Gas purity:	≤ 6.0		Special characteristics: The line pressure regulator HP 304 is characterized through his high control accuracy at the pressure area from 0.1 bar to 3 bar.
Max. inlet pressure:	40 bar		
Outlet pressure ranges:	0,1-1, 0,1-1,7; 0,2-3 bar		
Cv-value:	0,15		
Gauge:	Safety version to EN 837-1 KL1,6		
Operating temp.:	-20°C to +70°C		
Dimensions (wxhxd):	53 x 113 x 120 mm		
Weight:	1253 g		
Connections:	NPT 1/4" f		

QUALITY STANDARD

The company Hornung is certified to **DIN EN ISO 9001:2008** and **ISO 14001:2009**. 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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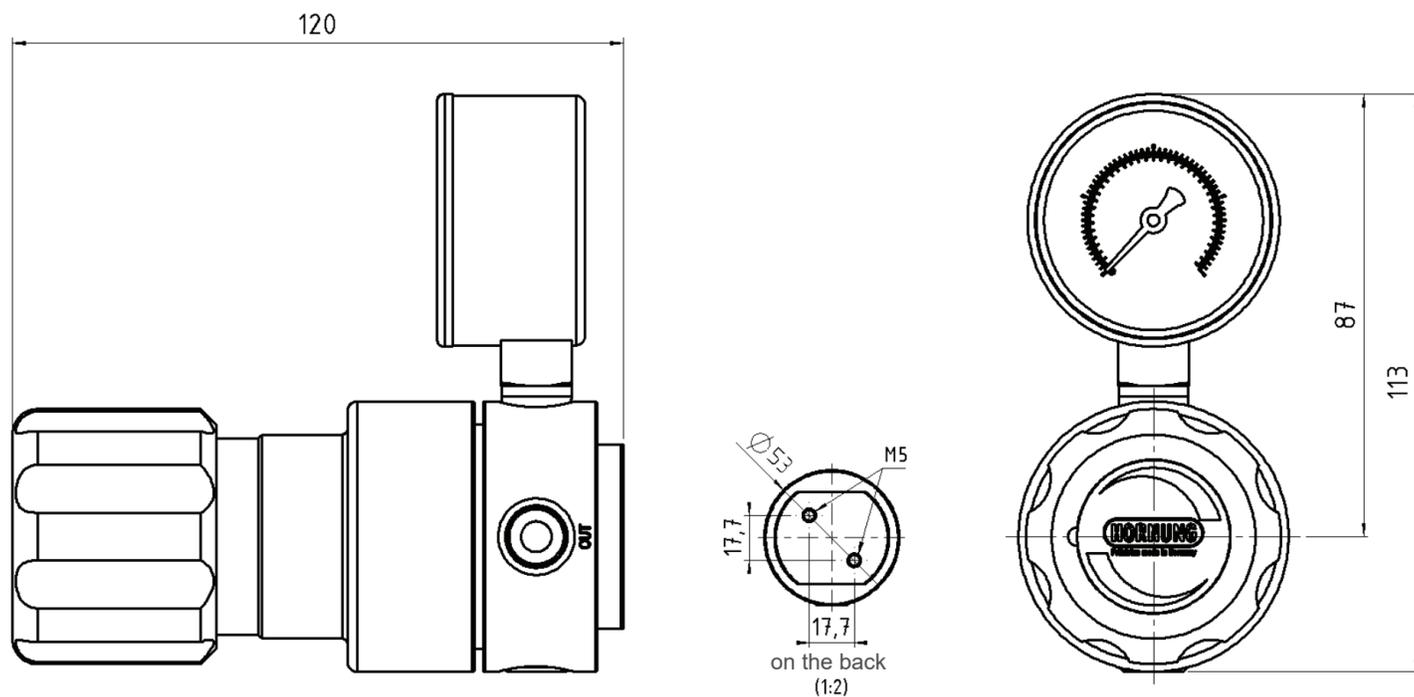
Präzision made in Germany

Rathenaustraße 55
63263 Neu-Isenburg

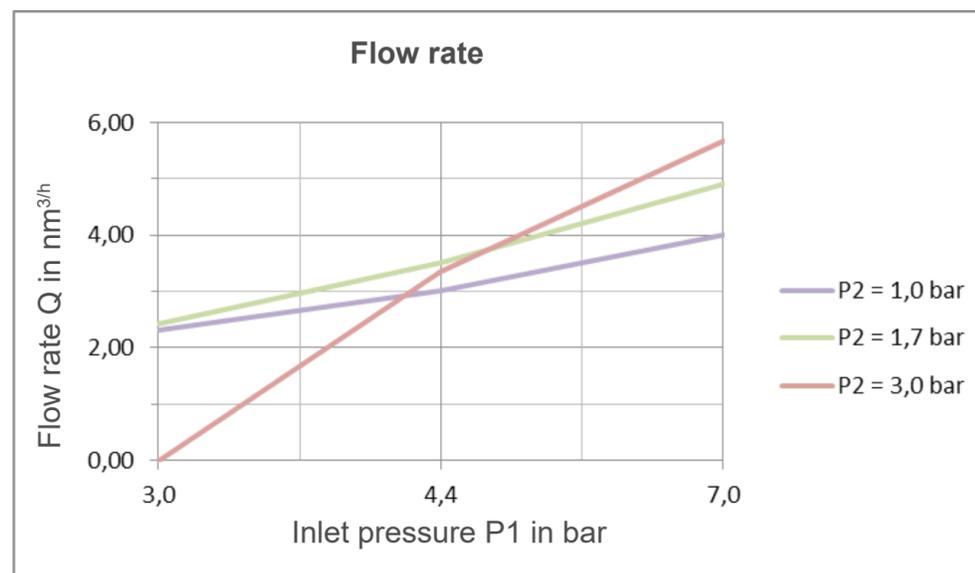
Phone: +49 6102 7883-70
Fax: +49 6102 7883-40

www.hornung.org
info@hornung.org

HP 304



FLOW CURVE HP 304



ORDER DETAILS

Material:	Inlet:	Pressure range p2:	Gauge:	Option on the back:
1 = Stainless steel 2 = Brass	1 = left to right 2 = right to left	1 = 0,1 - 1,0 bar 2 = 0,1 - 1,7 bar 3 = 0,2 - 3,0 bar	1 = none 2 = with outlet gauge	0 = 1/4" NPT 3 = compression fitting 3 mm 6 = compression fitting 6 mm 8 = compression fitting 8 mm 10 = compression fitting 10 mm 12 = compression fitting 12 mm

Regulator type HP 304	1-stage 4-port	HP304- Type	1 Material	1 Inlet	2 p2	0 Gauge	6 Option	Gas type Gas type
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Accessories: see total catalogue segment

7. Gauges, fittings and accessories