

Line pressure regulator HP 300

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



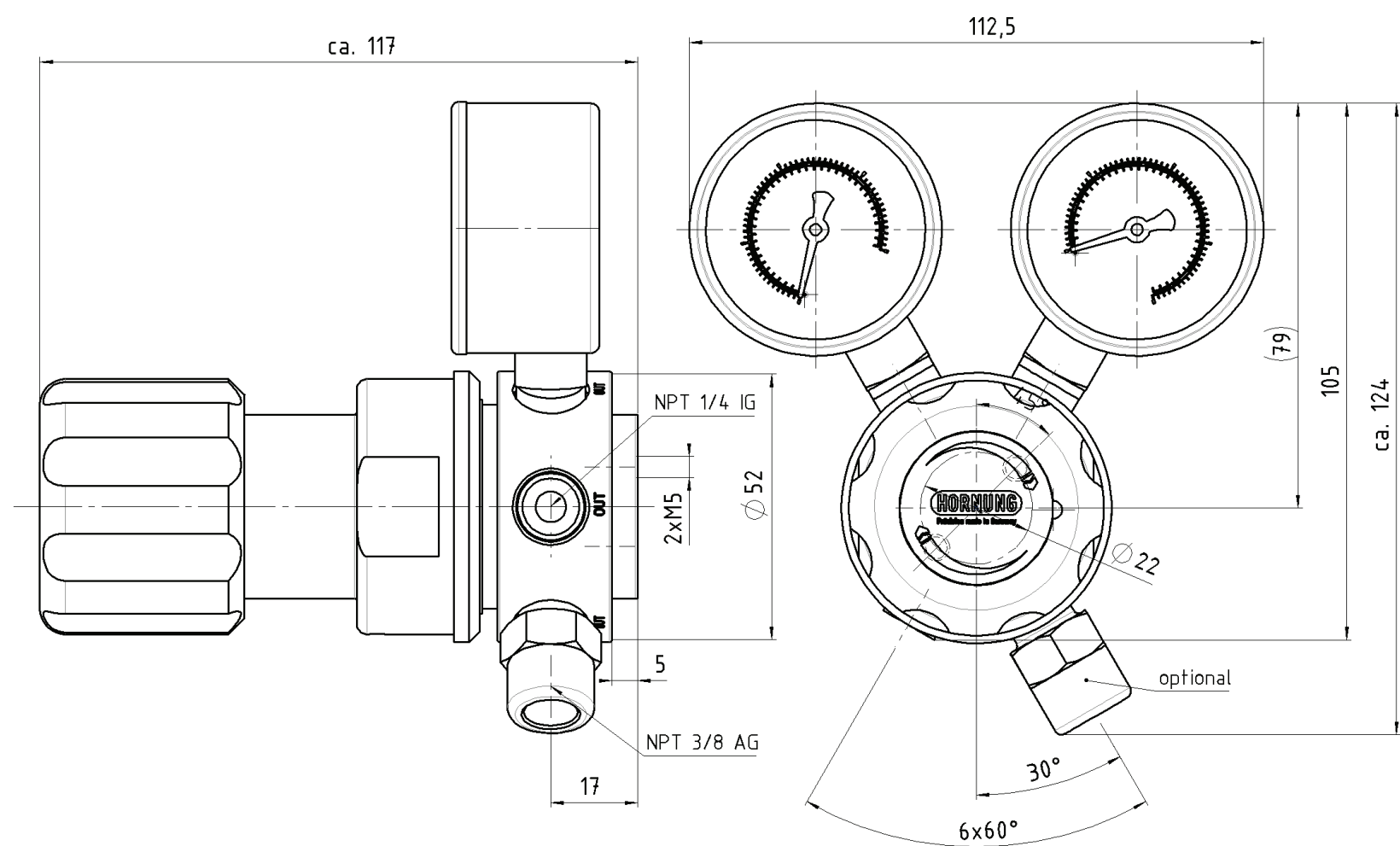
Fittings and gauges optional

TECHNICAL DETAILS		APPLICATION AREA	DESCRIPTION
Body:	stainless steel 1.4404 electropolished or brass, nickel and matt chrome plated	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.	The line pressure regulator HP 300 is a single stage pressure regulator, brass nickel and matt chrome plated or stainless steel 1,4404 electropolished.
Seat:	PCTFE	Stainless steel version allows the usage of aggresive gases.	It is designed as a diaphragm pressure regulator.
Diaphragm:	1.4435		
Leakage rate:	10 ⁻⁸ mbar l/s He against atmosphere	We recommend the installation of suitable safty valves to secure following equipment from improper high pressure.	The HP 300 reduces the pressure of compressed gases or fluids to a maximum outlet pressure of 17 bar.
Gas purity:	≤ 6.0		It can be equipped optionally with in and outlet gauges.
Max. inlet pressure:	300 bar		Special characteristics: The line pressure regulator HP 300 is characterized through his high control accuracy at the pressure area from up to 17 bar.
Outlet pressure ranges:	0,1-1; 0,1-3; 1-6; 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		

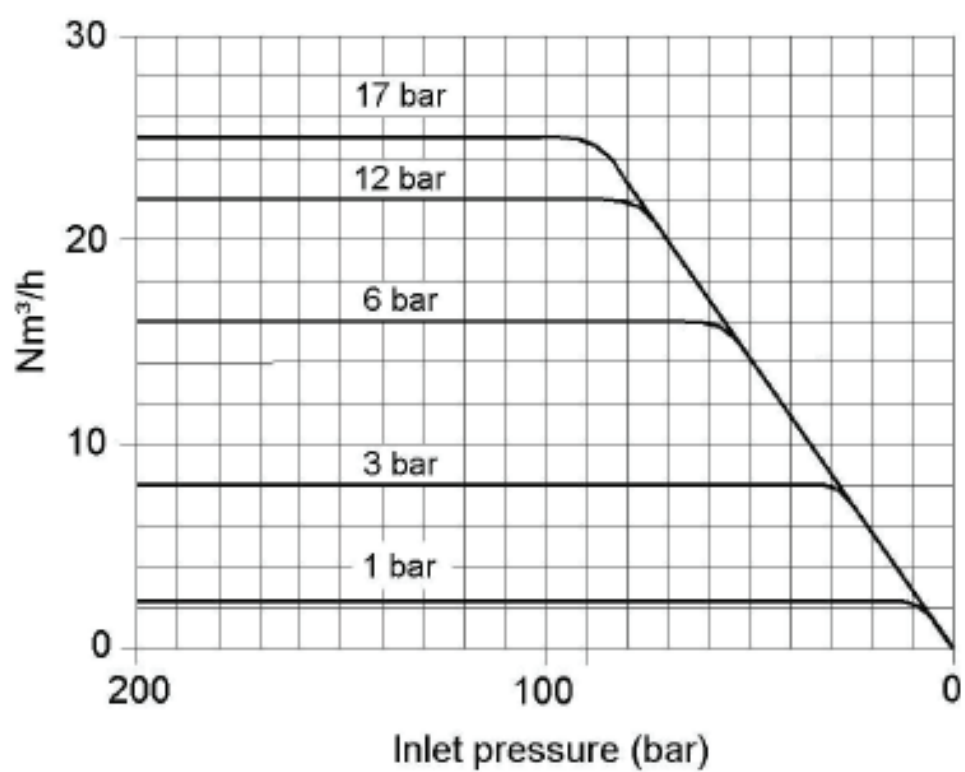
QUALITY STANDARD

The company Hornung is certified to **DIN EN ISO 9001** and **ISO 14001**. 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.

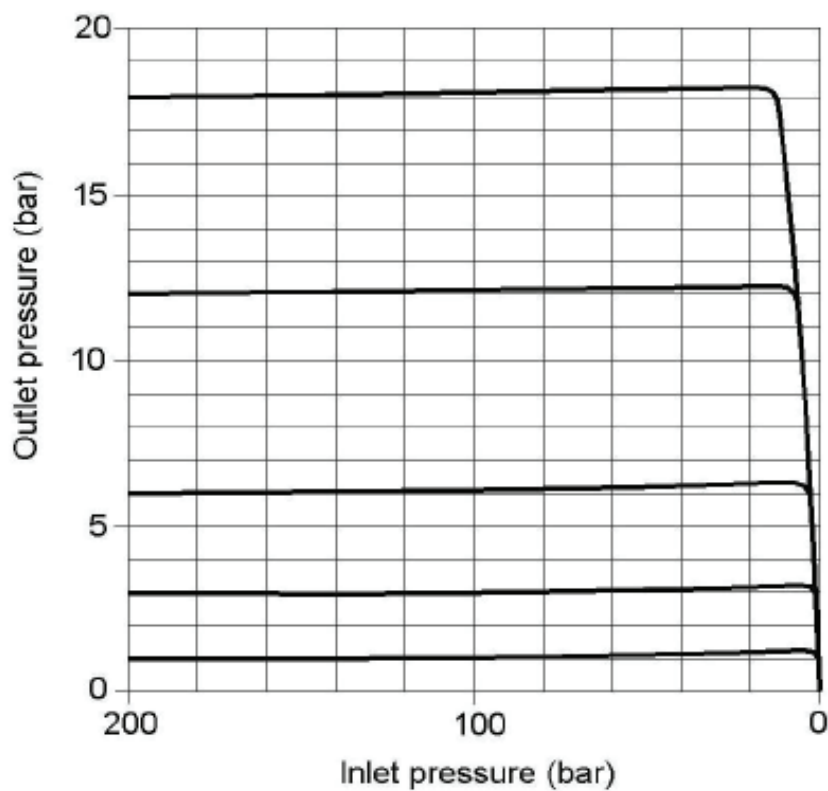
HP 300



PERFORMANCE CURVE



DYNAMIC FLOW CURVE



ORDER DETAILS

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

Accessories: See total catalogue segment

7. Gauges, compression fittings and accessories