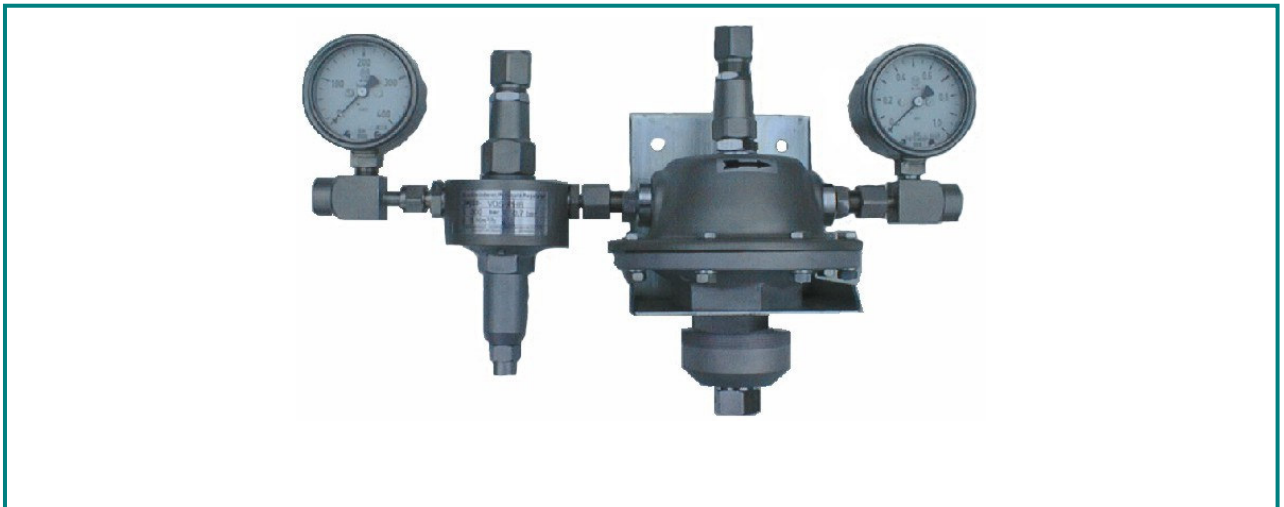


Precision pressure regulator VDS PHR

- dual stage for mbar applications
Inlet pressures up to 300 bar



Description:

VDS PHR is a dual stage precision pressure regulator with a wide and flexible diaphragm surface for mbar operating pressures and is often used at science and research institutes or process engineering. Due to dual stage construction it is possible to work with absolutely stable outlet pressure even if there are high inlet pressures and even if the inlet pressure drops down significantly.

For wall mounting of VDS PHR is as an option a bracket available.

Application areas:

mbar applications with high inlet pressures up to 300 bar
Instrumentation and process engineering
Laboratories
Gas purities up to 5.0 (99.999 Vol.%) purity

Technical Details:

Body:	brass, nickel and matt chrome plated or stainless steel
Seat:	Viton
Diaphragm:	Viton
Purity:	≤ 5.0
Max. inlet pressure	300 bar
Outlet pressure range	10 mbar – 2 bar
Flow:	10 m ³ /h air
Operating temp.:	-20 °C to +70 °C
Gauge: (optional)	Safety version accord. EN 837-1 KL1,6
Threads:	in- and outlet G 1/4 f

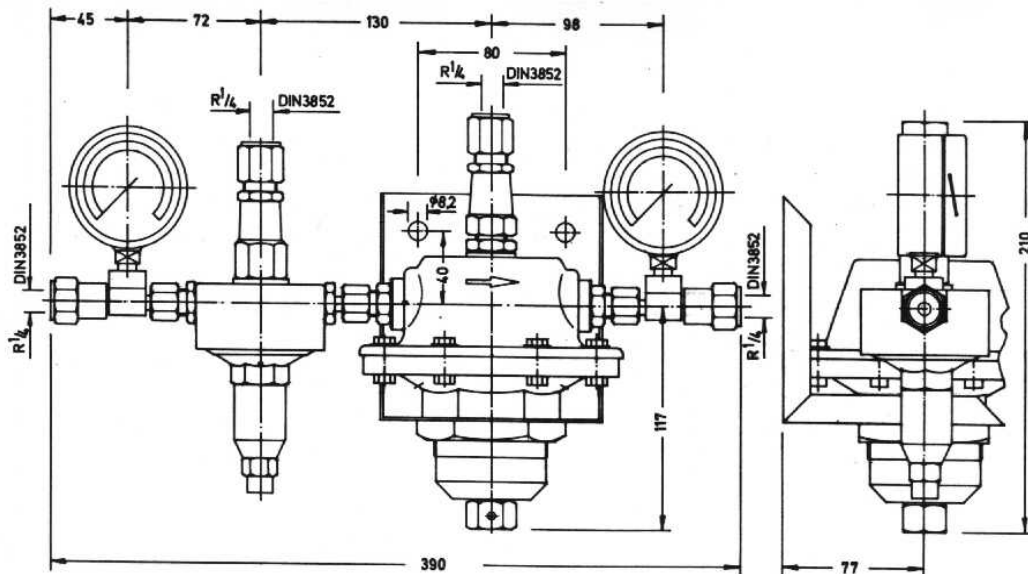
Hornung Quality standard

The company Hornung is certified to
DIN EN ISO 9001

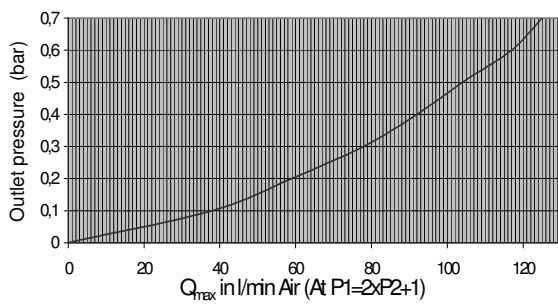
All single parts are manufactured, assembled and tested by in-house production.
The finished parts are therefore under all criteria of German quality control with 100% final inspection.

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Flowperformance VDS - P-H-R



Accessories:

See total catalogue segment

- 7. Gauges, Screw connections and accessories (for Technical gases)
- 6. (for high purity gases)

Ordering information:

Material:

- 1 = brass
- 2 = stainless steel electropolished

Outlet pressure ranges:

- 1 = 30 mbar
- 2 = 50 mbar
- 3 = 70 mbar
- 4 = 100 mbar
- 5 = 200 mbar
- 6 = 300 mbar
- 7 = 500 mbar
- 8 = 700 mbar
- 9 = 1000 mbar
- 10 = 1500 mbar
- 11 = 2000 mbar

Gauges :

- 1 = none
- 2 = with working pressure indicator
- 3 = with in- and outlet pressure ind.

Options for In- and Outlet:

- 00 = G 1/4" f
- 03 = compression fitting 3mm
- 06 = compression fitting 6mm
- 08 = compression fitting 8mm
- 10 = compression fitting 10mm
- 12 = compression fitting 12mm

Ordering example:

29-	2	2	2	10	12	Gas
Type	Mat.	Press.	Gauges	Inlet	Outlet	Gas