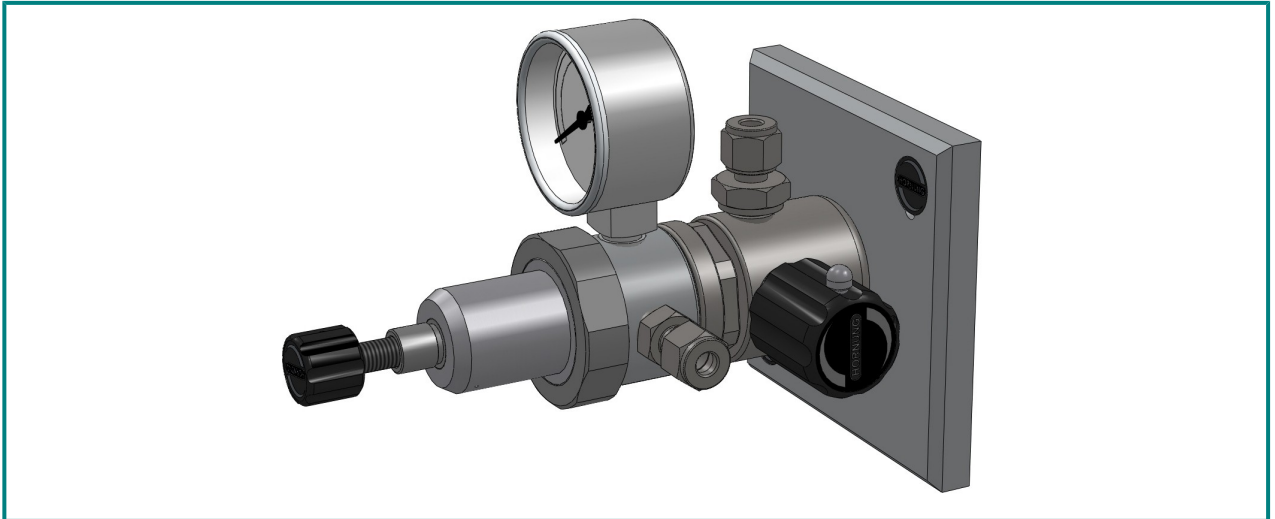# Point of use regulator HP 404
- wall mounting version

Description:

The HP 404 is a point of use regulator for wall mounting. The regulator is mounted on a wall console for reducing line pressure to working pressure as a second stage.

In case of maintenance, the regulator can be separated from the shut-off valve to avoid a complete shutdown of the pipeline.

As a standard configuration the point of use regulator will be supplied with shut off valve, a gauge for working pressure and a precision pressure regulator FR1.

Application area:

The point of use regulator HP 404 with the precision pressure regulator FR1 is used particularly in the following areas:

- Gas analysis
- Gas chromatography
- Process engineering
- Metallurgy
- Laboratory applications

Technical details:

Housing:	aluminium-brass stainless steel
Valve seat:	stainless steel
Gaskets:	viton / NBR
Diaphragm:	viton / NBR st. steel
max. inlet pressure:	12 bar
Regulating area:	50 mbar to 2.1 bar
Operating temp.:	-20 to +70°C
Size:	105 x 130 x 175
Weight:	1300g
Connections:	inlet G 1/4" f outlet NPT 1/8" f

Hornung Quality standard
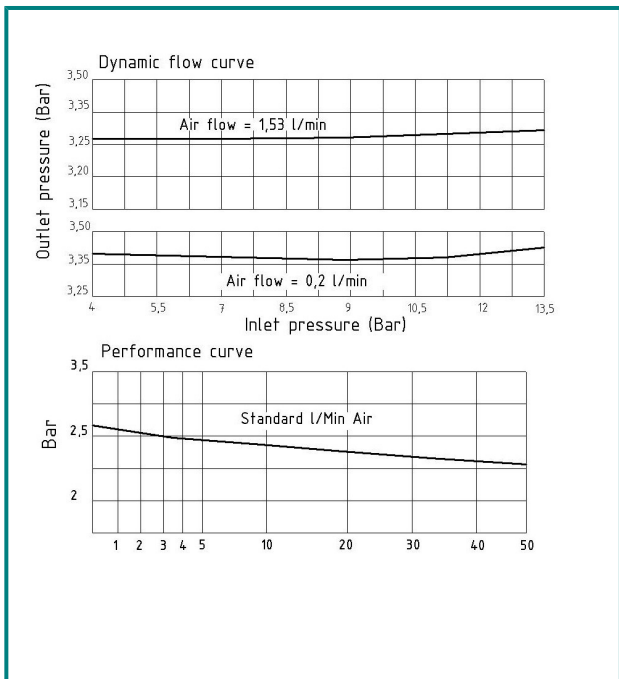The company Hornung is certified to
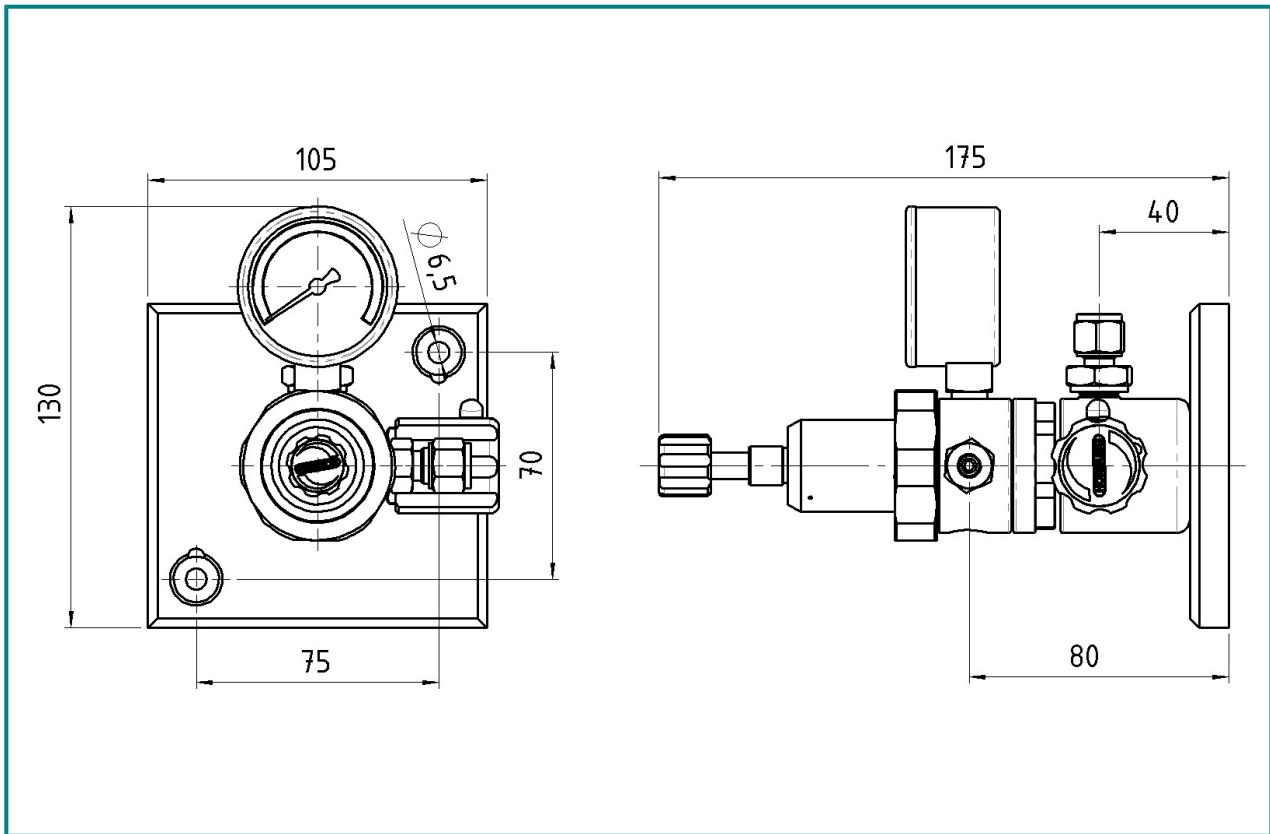**DIN EN ISO 9001 and ISO 14001:2009.**
All single parts are manufactured, assembled and tested by in-house production.
The finished parts are therefore under all criteria of German quality control with 100% final inspection.

Dimensions

Front view dimensions: 105, 130, 75, 70, Ø 6,5

Side view dimensions: 175, 40, 80

Dynamic flow curve

Outlet pressure (Bar) vs Inlet pressure (Bar)

Air flow = 1,53 l/min

Air flow = 0,2 l/min

Y-axis (top): 3,50 / 3,35 / 3,25 / 3,20 / 3,15 / 3,50 / 3,35 / 3,25

X-axis: 4 5,5 7 8,5 9 10,5 12 13,5

Performance curve

Bar: 3,5 / 2,5 / 2

Standard l/Min Air

X-axis: 1 2 3 4 5 10 20 30 40 50

Accessories:

7. Screw connections and accessories
9. Wall mounting

Ordering information:

Material:

HP404 MS	=	aluminium-brass
HP404	=	stainless steel

Outlet pressure ranges:

01	=	170 mbar
02	=	350 mbar
03	=	500 mbar
04	=	700 mbar
05	=	2.1 bar
06	=	4.2 bar
07	=	7.0 bar

Options for outlet:

00	=	NPT 1/8" - internal thread
1	=	compression fitting 6mm
2	=	metering valve

HP404-	02	01	Gas
Type	Pressure	Option	Gas type