

Line pressure regulator LH1



Gauge and
flange optional

Description:

The line pressure-regulator LH1 is characterised by its high accuracy and flow-rate.

The spring-loaded pressure-regulator works according to the principle of the force balance between the adjusted spring force and the outlet pressure.

It can be equipped optionally with an inlet and an outlet gauge.

Design:

A balanced poppet ensures that the inlet pressure is free of fluctuations.

The use of stainless steel in connection with an elastomere made of viton enables the application of the pressure-regulator with aggressive media. An optimal controllability of the low-pressure as well as the high-pressure versions is guaranteed through the diversity of diaphragm surface effectiveness.

Technical details:

Material: brass or stainless steel

Valve seat: Ø 12.7 (pressure rel.)

Kv-value: 3.3

Seat: PCTFE

Membrane: EPDM / viton

Max. pre-pressure: 420 bar

Regulating area:
0,5 - 10 bar
1 - 20 bar
5 - 70 bar

Operating temp.: -20°C to +60°C

Measures: Ø 124x312

Weight: 9.72 kg

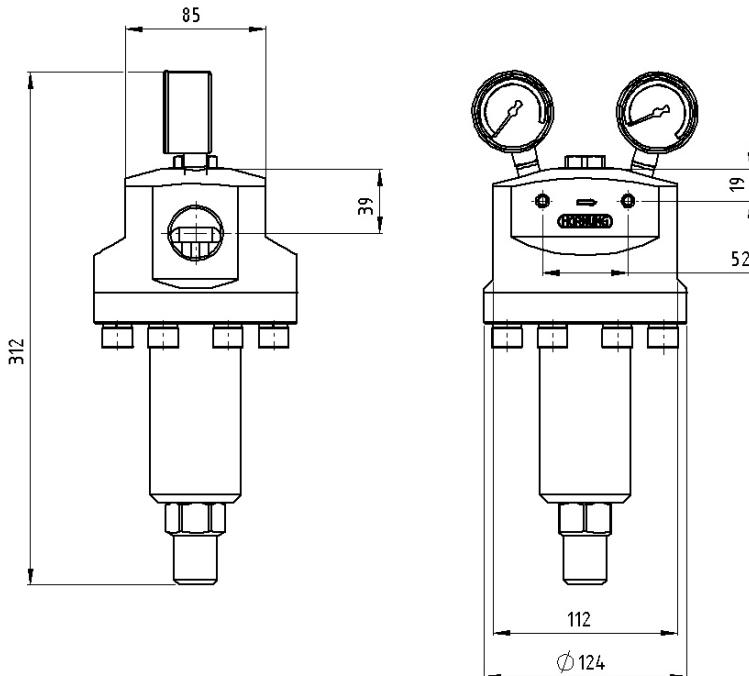
Fittings: in / outlet gauges G 1
G1/4

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 in house.

The finished parts are therefore under the criteria of our exact quality control with 100% final control.



Application area:

Depending on applied materials, this pressure-regulator is applicable for different gases and liquids.

We urgently recommend an application with a fine filter that assures a maximum purity of up to 40µ, as well as a secondary installation of safety valves to avoid undue occurrence of high-pressure.

Order details:

Material:

- 1 = brass
2 = stainless steel

Seat:

- 1 = Ø 12.7 (pressure relieved)

Membrane:

- 1 = EPDM
2 = Viton

Back pressure:

- 0 = 10 bar
1 = 20 bar
2 = 70 bar

Gauge:

- 0 = none
1 = front and back pressure manometer

Options for inlet / outlet

- 0 = G1" internal thread
1 = flange DN25-PN100-Type B1

Order example:

Regulator type	
40	LH1

40-	1	1	1	1	1	0	Medium
Type	Mat.	Seat	Diaph.	Press.	Gauge	Opt.	Medium

Accessories:

7. Manometer, screw fittings and accessory
8. Fine filter F1 (see data sheet), safety valves on request

