Precision-
Cylinder pressure regulator HP-FR1

Description:

The precision pressure regulator HP-FR1 is a compact two stage cylinder regulator in St.steel or Brass/Aluminium that was developed for the exact outlet flow control down to the millibar area.

The two stage balanced construction guarantees that with large deviations in the inlet pressure, the working pressure remains constant.

The fine pressure regulator on the second stage assures the exact adjustment of the outlet pressure.

Application area:

The precision pressure regulator HP-FR1 is used particularly in the following areas:

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

Technical details:

Housing:	St.steel/Brass Aluminium
Valve seat:	PCTFE / Viton/NBR
Gaskets:	Viton / NBR
Diaphragm:	St.steel / Viton/NBR
Max. inlet pressure:	200 bar
Regulating area:	170 mbar to 7 bar
Operating temp.:	-20 to +70°C
Size (HxWxD):	124 x 94 x 145
Weight:	850g
Connections:	Inlet DIN 477
	Outlet NPT 1/8“ f

Hornung Quality standard
The company Hornung is certified to
DIN EN ISO 9001
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.

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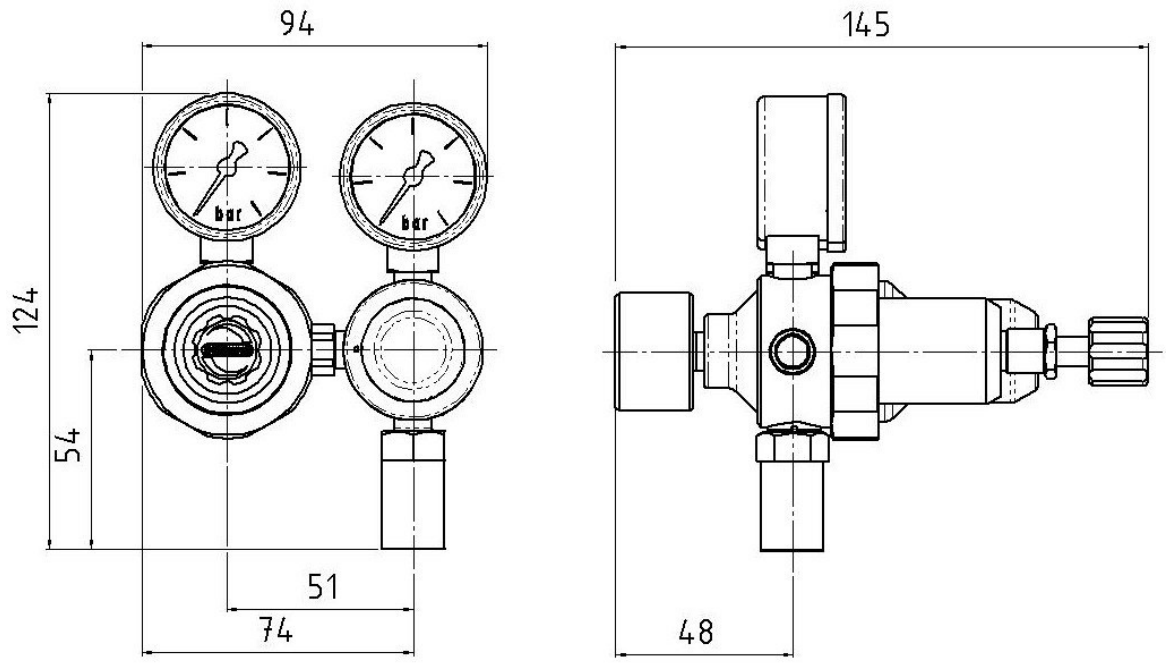

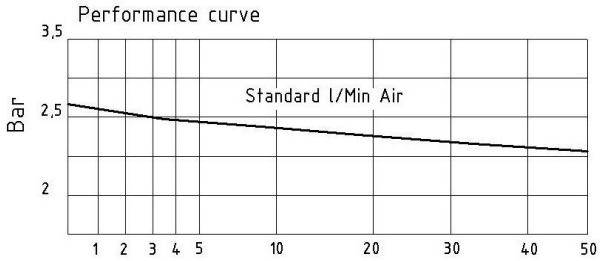

Order details:

Housing:
1 = Brass/Aluminium
2 = St.steel/St.steel
3 = St.steel/Aluminium

Diaphragm:
1 = NBR
2 = Viton
3 = St.steel (1.4435)
4 = Hastelloy (2.4610)

O-Rings:
1 = NBR
2 = Viton

Pressure area:
1 = 170 mba
2 = 350 mbar
3 = 500 mbar
4 = 700 mbar
5 = 2,1 mbar
6 = 4,2 bar
7 = 7,0 bar

Order example:

Regulator type	
27	**FR 1**

27-	**2**	**3**	**2**	**4**	**Gas**
Type	Housing	Diaphragm	O-Rings	Pressure	Gas

Accessories:

Gauges, Tube fittings und accessories