

High pressure regulator HD 550

- Inlet pressure up to 750 bar and operating pressures up to 550 bar

COMHAS



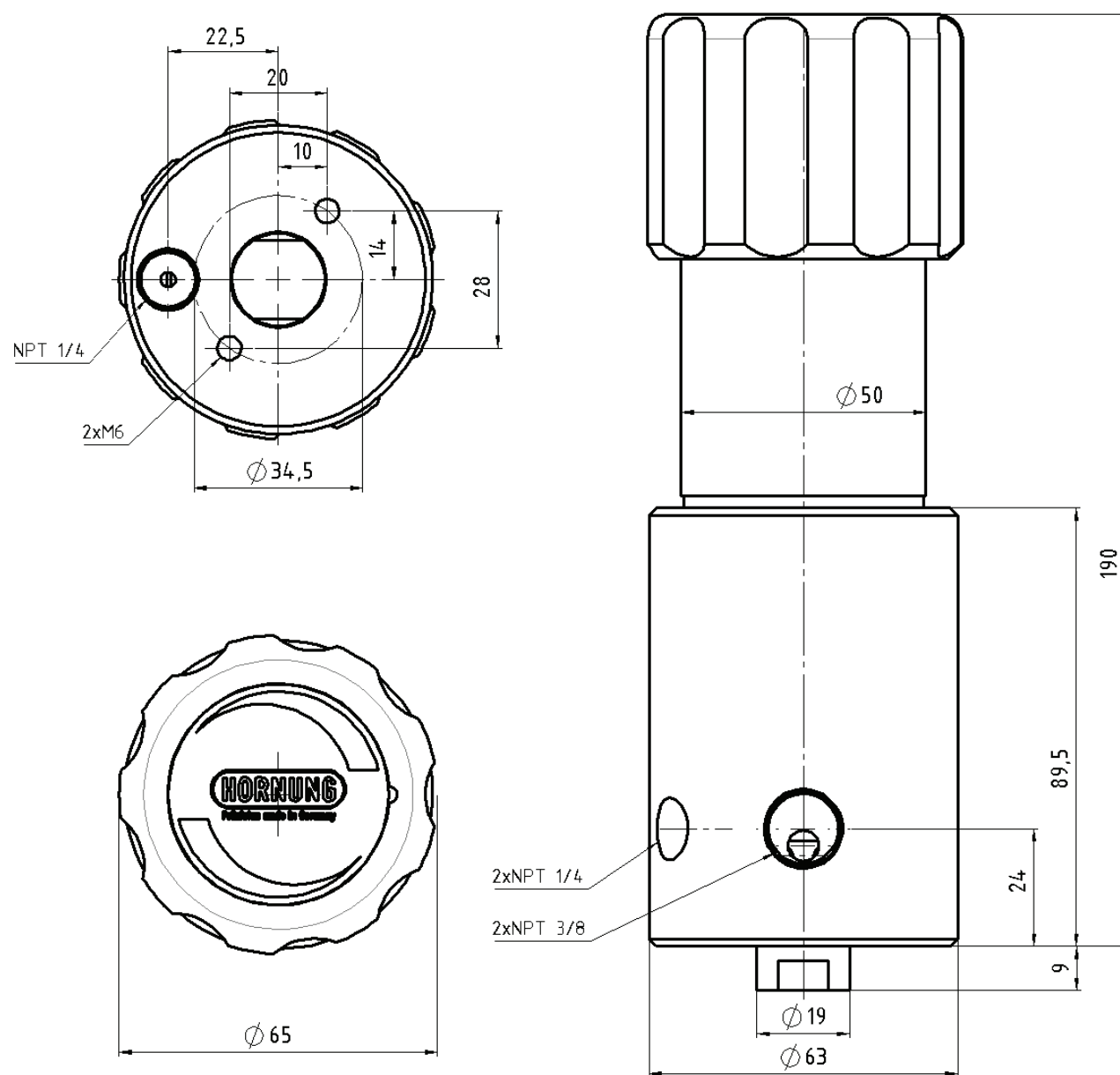
Fittings and gauges optional

TECHNICAL DETAILS		APPLICATION AREA	DESCRIPTION
Material:	brass or stainless steel 1.4404	To guarantee a good control characteristic of HD 550 even for low pressures piston diameters are different (depending on flow and pressure).	HD 550 is a single stage high pressure regulator and is designed as a piston pressure regulator and reduces the pressure of compressed gases or liquids to a maximum outlet pressure of 550 bar.
Seat size:	Ø 1,70 Ø 6,35 (balanced)	The outlet pressure of HD 550 is adjustable without strength even at high working pressures by capture vented construction and a control spindle with axial bearing.	
Flow capacity:	Cv 0,03 (Ø 1,70) Cv 0,7 (Ø 6,35)	HD 550 can be equipped optionally with inlet and outlet gauge.	
Seat:	PCTFE		
Elastomer:	EPDM / viton		
Max. inlet pressure:	750 bar		
Outlet pressure ranges:	0,5 - 100 bar 10 - 550 bar		
Operating temp.:	-20°C to +60°C		
Size:	Ø 80 x 186 mm		
Weight:	2,5 kg		
Threads:	in- / outlet NPT 3/8 f gauges 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.

HD 550



APPLICATION AREA

This pressure regulator is constructed for high inand outlet pressures. With its captured vent this pressure regulator is particularly suitable for use as a pilot pressureregulator, e.g. in control systems in connection with dome pressure regulators.

The stainless steel version with elastomere made of viton permits the use for corrosive media with this pressure regulator. Using the captured vent version, customer has to assure, that venting is connected to customers exhausting system.

It is recommend to integrate a fine filter of at least 40 μ in front of HD 550 and to install relief valve behind HD 550 for protecting customer's equipment/ system.

ORDER DETAILS

Material:	Seat sizes:	Elastomer:	Outlet pressure:	Capture venting:	Gauges:
1 = brass	1 = $\text{\O} 1,70$	1 = EPDM	1 = 100 bar	1 = none	1 = none
2 = stainless steel 1.4404	2 = $\text{\O} 6,35$ (balanced)	2 = viton	2 = 550 bar	2 = with capture venting	2 = with inlet and outlet gauge

Regulator type	46-	1	1	1	1	1	1	2	Gas type
	Type	Material	Seat	Elastomer	Pressure	Venting	Gauge		Gas type
46	HD 550								

Accessories: See total catalogue segment

7. Gauges, compression fittings and accessories
8. Flanges, fine filter F1 (see sepearte data sheet), safety valves available on request