

Heavy Duty pressure gauges with diaphragm system

to DIN 14 421 for fire-fighting pumps

Nominal sizes ND 80

Connection position bottom, radial
or back, central



Description

The Heavy Duty pressure gauges with diaphragm system are used at measuring points with high dynamic alternating loads and strong vibrations and pulses.

They comply with DIN 14 421 -pressure gauges for fire-fighting pumps.

These pressure gauges are used in fire-fighting pumps to DIN 14 420.

The gauges are designed on the basis of a modular construction system and ensure a high level of functional safety and a long service life.

Features

- o High reliability and long service life due to modular construction system
- o Insensitive to pressure pulses and mechanical vibrations
- o High level shock resistance
- o Overload capacity, 1.3 x
- o Protection IP 54
- o Stainless steel casing

Measuring ranges


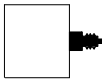
0...25 bar or - 1...0...25 bar

Applications

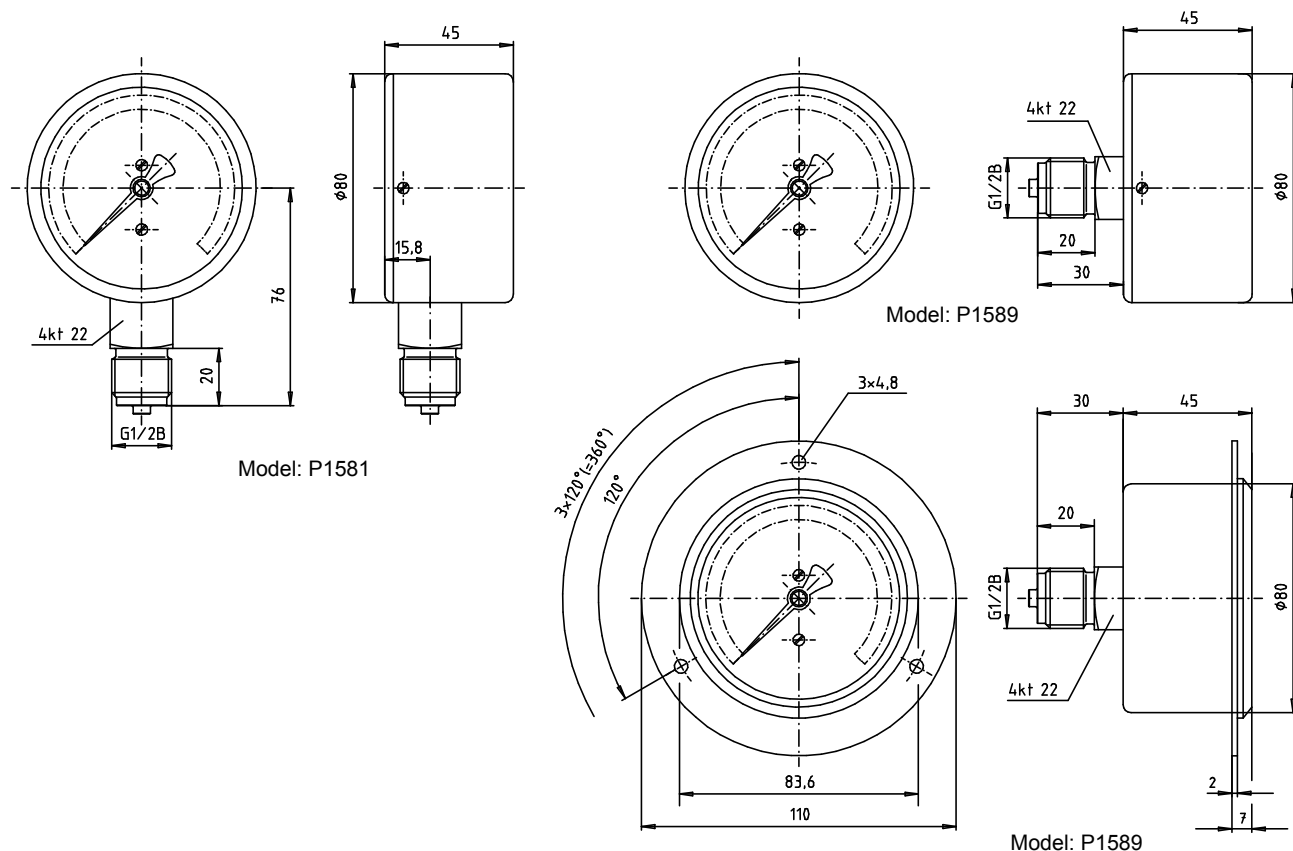
Fire-fighting pumps,
plant construction

Models: P1581, P1589

Technical data

Models	P1581	P1589	Options
Nominal size	80		
Symbol			
Accuracy class to DIN 14 421	- 1... 0 ...16 bar \pm 2.5% 16 ... to ... 25 bar \pm 4%		
Ranges	-1...0...25 bar or 0...25 bar		
Application	Constant load: up to full scale value Alternating load: up to 0.9 x full scale value short-time: overload capacity 1.3 x		
Case	Stainless steel, 1.4301		
Bezel	retaining front bezel		Front flange, stainless steel 1.4301
Window	Polyamid		Trogamid
Dial	Aluminium, white, scale and imprint black		Dual scale
Pointer	Aluminium, black		
Movement	CuZn-alloy		
Measuring element	Copper alloy		
Pressure connection - position	CuZn-alloy, galvanized radial bottom	back central	
- thread	M20 x 1.5 or G 1/2 B		Other threads on request
Temperatures - Medium	Tmin. -20°C, Tmax. 80°C		
- Ambient	Tmin. -25°C, Tmax. 60°C		
Temperature drift	0.5 %/10K if deviation from normal temperature 20°C		
Protection	IP 54 to EN 60 529/IEC 529		IP 65 (BR. 1599)
Orifice	Copper alloy, M4 x ϕ 0.8 x 40 lg.		M4 x ϕ 0.3; M4 x ϕ 0.4
Weight approx.	0.480 kg	0.560 kg	

Dimensions



Modifications reserved