

# PRESSURE GAUGES FOR FIRE EXTINGUISHING PUMPS WITH VERTICAL DIAPHRAGM acc. to DIN 14 421



**Nominal size ND80**

**Connection position centric back**



## 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-extinguishing 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

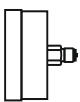
- High reliability and long service life due to modular construction system
- Insensitive to pressure pulses and mechanical vibrations
- High level shock resistance
- Overload capacity, 1,3 x
- Protection IP 54
- Stainless steel casing

## Measuring ranges

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

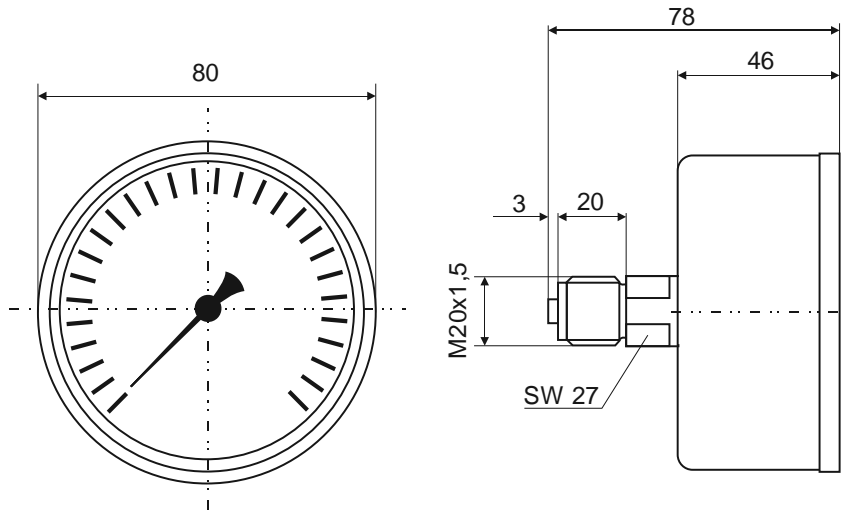
## Applications

Fire-extinguishing pumps

Type	1589	Options
Diameter	80	ND 100
Symbol		
Accuracy class	2,5 acc. to EN 837-3 and DIN 14 421	
Measuring ranges	0...25 bar or -1...0...25 bar	
Application / Maximum load limits	Steady load : full scale value Dynamic load : 90 % of full scale value Overload (short-time): 1,3 x full scale value	
Temperature resistance	Storage temperature -40°C up to +70°C Ambient temperature -20°C up to +60°C Medium temperature max. +60°C	
Temperature effect	In accordance to EN 837-3 the temp. drift can be up to ± 0,8% of the span per 10 K, reference temp. 20°C	
Protection class	IP54 acc. to EN 60529	
Connection	M20 x 1,5, brass, centric back	G½B, ½"NPT, others on request
Restrictor screw	Ø 0,6 mm	others on request
Diaphragm	vertical, CuBe	
Sealing	O-ring NBR	
Movement	Brass / german silver	
Dial	Aluminium white, scale and lettering black (and red)	Customer specification
Pointer	Aluminium black	
Case	Bezel ring, stainless steel polished	
Window	Acrylic glass	Instrumental glass
Mounting		Front flange or bracket mounting
Filling		Glycerine filling - only with crimped-on ring case and vertical installation
Weight	0,65 kg (without filling and mounting material)	
Lighting		1 x 24V BA9s light bulb

**Dimensional drawings**    Dimensins in mm

**without mounting hardware**



**with front flange**

