

Piston-spring gauges

TKF 2020



Symbol



Due to their construction our piston-spring gauges are robust, overload-proof, vibration- and shock resistant.

In contrast with conventional bourdon-tube gauges or diaphragm pressure gauges they can be used for continuous operation, that means a shut-off valve is not necessary.

The combination of 360° rotation without any tool, even under pressure, and the readable scales in bar and psi maximize the operator convenience.

TECHNICAL DATA

General information	
Housing	aluminium anodized
Inspection glass	polycarbonate
Medium-affected parts	piston (stainless steel), basic body (brass)
Rod seal	NBR 70 (standard) or FKM 70
Pressure port	G 1/2, wrench size 27, brass
Throttle hole	ø 0,6 mm
Mounting position	arbitrary
Weight	approx. 0,5 kg
Hydraulic data	
Ambient temperature limits	- 20 °C to + 90 °C
Pressure fluid	mineral oil (HL, HLP) according DIN 51524
Viscosity range	10 to 800 mm ² /s
Display accuracy	approx. ± 5 %

Other details	
Scaling	lasered in bar and psi
Display	pressure status readable by 4 sides
Housing	360° rotatable

ORDER CODE

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Basic type

Pressure range

100	= 0-100 bar	(0-1250 psi)
160	= 0-160 bar	(0-2500 psi)
200	= 0-200 bar	(0-2750 psi)
250	= 0-250 bar	(0-3500 psi)
315	= 0-315 bar	(0-4500 psi)
400	= 0-400 bar	(0-5000 psi)
630	= 0-630 bar	(0-9000 psi)

max. Pressure

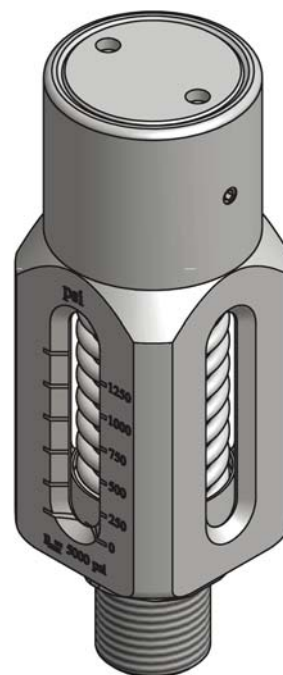
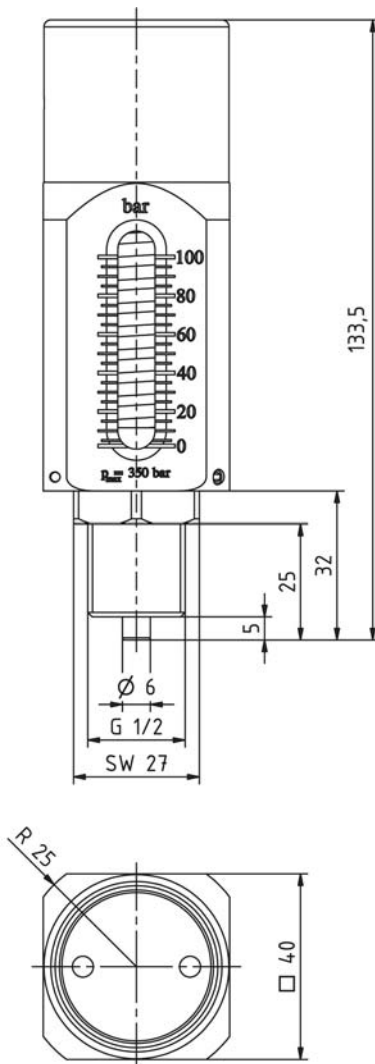
p_{max}	= 350 bar
p_{max}	= 400 bar
p_{max}	= 400 bar
p_{max}	= 600 bar
p_{max}	= 600 bar
p_{max}	= 800 bar
p_{max}	= 800 bar

Seals

without = NBR seal (standard)

S = FKM seal
(for flame-retardant and biodegradable oils)

DIMENSIONS



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