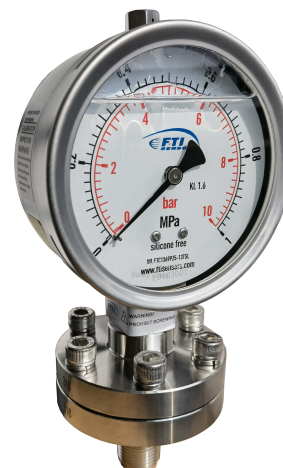


APPLICATIONS

- Hydraulic systems
- Hydraulic hand tools
- Injection molding equipment
- Pressure washers and sprayers
- Paint spray equipment
- Compressors
- Irrigation equipment

SPECIAL FEATURES

- Meets EN837-1 and ASME B40.100 specifications Corrosion resistant stainless steel case
- Dry gauges are field fillable
- Custom dials available
- Ventable fill plug
- Accessory kits for easy panel mounting
- SS Oil filling plug



DIAPHRAGM SEALS

Description

- Rugged design for OEM applications
- Cost effective for high volume applications
- Retrofits existing applications
- Customizable for new applications

SPECIFICATIONS:(PZ72) Series

Accuracy:	63mm: ±1.6% of span per EN837-1 ±1% of span per EN837-1 ±2-1-2% of span ASME B40.100
	100mm: ±1% of span per EN837-1
Sizes:	63mm (2½"); 100mm (4")
Ranges:	Vacuum, compound, 15 to 15,000 psi, bar, kPa, MPa, kg/cm ² , (available in single or dual scale)
Working Pressure:	2½" Steady: 1.5 x full-scale value Fluctuating: 1.3 x full-scale value Short Time: 2 x full-scale value 4 " Steady: 2x full-scale value Fluctuating: 1.5 x full-scale value Short Time: 3 x full-scale value
Over Pressure/ Proof Pressure:	≤100 bar ranges: 125% of maximum scale value >100 to ≤600 bar ranges: 115% of maximum scale value >600 to ≤1000 bar ranges: 110% of maximum scale value
Process Connection Location	63mm: Lower or center back 100mm: Lower or lower back
Process Connection Sizes:	63mm: 1/8 NPT, 1/4 NPT, G 1/4 B, 1/4 BSPT 100mm: G1/2 B M20x1.5, 1/2 NPT
Dial:	Black figures on white background (red secondary scale for dual scale dials); aluminum
Pointer:	Black, aluminum
Movement:	Brass
Dampening:	Glycerin fill, Silicone fill
Temperature Effects:	±0.04% of span per °C change; reference temp. 20°C ±0.4% of span per 18°F change; reference temp. 68°F

NON-WETTED COMPONENTS

Case	Window	Ring
304 SS	Polycarbonate, glass, or safety glass	304 SS, crimped

MIN/MAX TEMPERATURE LIMITS

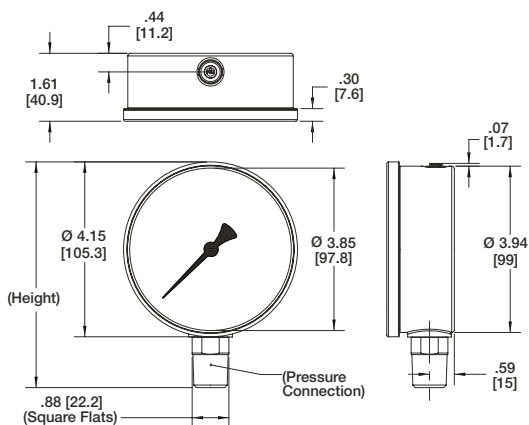
Version	Ambient	Process	Storage
Dry with Flutter-Guard™	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Glycerin Fill	20°F to 158°F (-7°C to 70°C)	-4°F to 158°F (-20°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Silicone Fill	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)

DIMENSIONS in () are millimeters

For reference only, consult FTI specific dimensional drawings

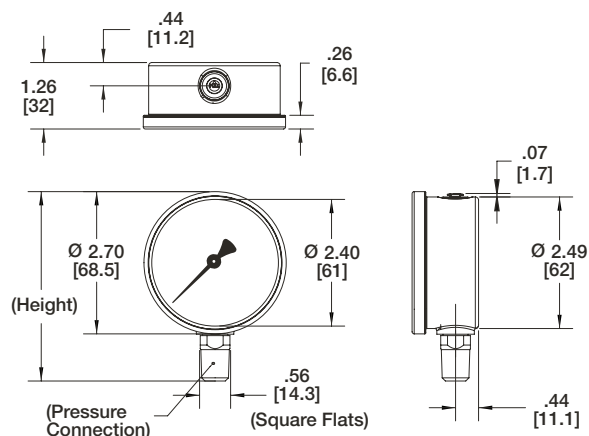
100mm lower connect

Connection Code		Height
02	¼ NPT	5.25 [133.4]
04	½ NPT	5.35 [135.9]
13	G¼ B	5.12 [130.0]
15	G½ B	5.44 [138.2]
41	M14x1.5	5.24 [133.1]
16	M20x1.5	5.44 [138.1]
KA	¼ BSPT	5.16 [131.1]
KD	½ BSPT	5.35 [135.9]

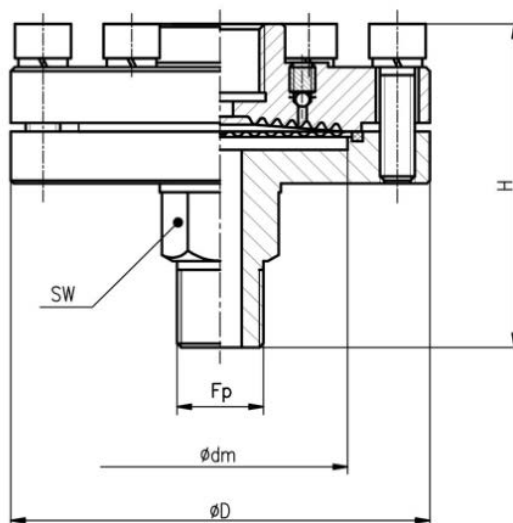


63mm lower connect

Connection Code	Pressure Connecti	Height
01	⅛ NPT	2.17 [55.1]
02	¼ NPT	2.33 [59.3]
13	G¼ B	2.32 [59.0]
KA	¼ BSPT	2.24 [57.0]
RW	SAE-4 7/16-20	2.40 [60.9]
41	M14 X 1.5	2.36 [60.0]
EJ	#4JIC	2.27 [57.7]



- ◆ Range: 0–0.25/0–25MPa;
- ◆ Accuracy: $\pm 1.6\%$
- ◆ Working Temperature: $-45\sim+150^{\circ}\text{C}$
- ◆ Diaphragm Material: 316L
- ◆ Wetted material: 316+BUNA
- ◆ Connection: Thread M20*1.5, 1/2" NPT
- ◆ Filling liquid: Glycerin fill



D	dm	Fp/Fm	H	SW
61.5	42	M20 X 1.5/NPT1/2	66	24
77	42	M20 X 1.5/NPT1/2	71	24
97	61	M20 X 1.5/NPT1/2	72	24
97	30	M20 X 1.5/NPT1/2	72	24

- ◆ High temperature: Max 240°C
- ◆ Diaphragm material: Hastelloy C, Tantalum, Titanium, Monel, 316L PTEE coated
- ◆ Wetted material: 304, 316, 316L (or PTFE coated)
- ◆ Connection: other on request
- ◆ Filling liquid: As different media $-20\ldots 150^{\circ}\text{C}$