



**ROCHESTER
GAUGES, INC.**

2" Diaphragm-Type Pressure Indicator

2510/2610
Series

ISO 9001:2008 CERTIFIED

Application

Rochester diaphragm-type pressure indicators are designed for durability under a wide range of severe operating conditions. They have proved their reliability and accuracy for over 40 years by indicating pressures of air, engine oil, fuel, transmission oil, etc. for engines, pumps, compressors, portable generators, hydraulically-operated machinery, and many other demanding applications where other types of indicators fail in short periods of time.

General Information & Features

The key element in these pressure indicators is a metal diaphragm staked and soldered to the case. A rigid stop plate reinforces the diaphragm to help prevent calibration changes or damage to over pressurization or exceptional shock and/or vibration.

The internal components are housed in a black-painted, terneplate-steel case with a glass lens retained by a stainless-steel bezel crimped to the case and sealed with a resilient gasket.

See the reverse side of this page for other information on standard construction and other available options at extra cost.



Standard Ranges	Numbered Divisions
0-30 psi	10 psi
0-50 psi	
0-80 psi	20 psi
0-100 psi	
0-150 psi	30 psi
0-200 psi	50 psi

2" Diaphragm-Type Pressure Indicator

01/20/10

See reverse side for dimensional data, materials of construction, performance, and advice on how to order.

The Measure of Excellence

2510/2610 Series 2" Diaphragm-Type Pressure Indicator

General Specifications*

Mounting

Clamp mounted, 2510, or direct mount, 2610.

Accuracy

+10% of indicated points on the scale.

Sensitivity

Pointer action is virtually frictionless following pressure changes smoothly and positively.

Endurance

For 50% dial span, over 500,000 cycles. For smaller pressure cycle spans, indefinite life can be expected on most applications.

Overpressure

Normally 100% of indicated scale range.

Temperature

Not damaged when complete assembly is exposed to temperature of -50°F to 250°F, -45C to 120C.

Adverse Environment

Lens and bezel are sealed against rain, ice, sand and dust.

Shock

Will withstand up to 10g's shock without damage.

Vibration

Suitable for continuous duty under 2g's, vibration up to 100 Hz.

Pulsation

Will tolerate severe pulsation under which other types are likely to fail. (Pulsation dampeners available)

Materials of Construction*

Case

Terneplate steel, painted black

Lens

Glass

Bezel

Polished stainless-steel

Dial

Aluminum

Diaphragm

Phosphor-bronze, mechanically secured & soft soldered

Pointer

White-arrow-point, dampened

Mounting Studs

#10-32 (Model 2510 only)

Drain Hole

At 6:30 location in case. (Foil disk available)

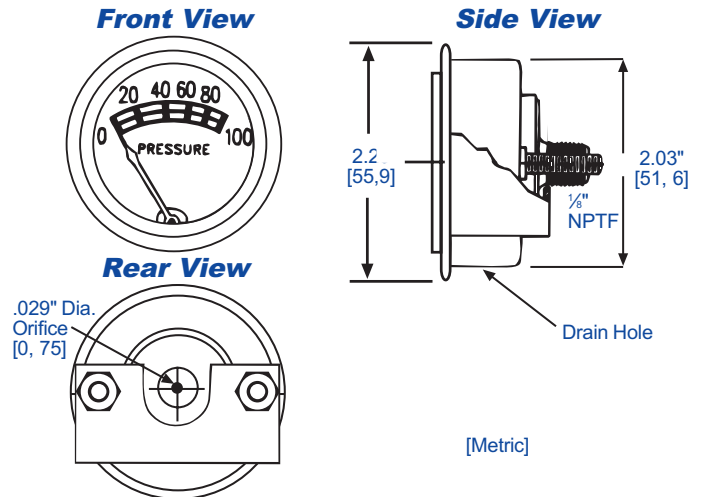
Inlet Connection

1/8" NPTF, with restrictor orifice

Pressure Ranges

From 30 to 200 PSI [2 to 13,8 Bar]

* Materials and specifications are subject to change without notice.
Pressure ratings subject to change due to temperature and other environmental considerations.



Options

- Unsealed window slots in case
- Attach clamp, nuts & washers
- Omit clamp, nuts & washers
- Individual boxing
- Tape disk over drain hole
- Black arrow-point pointer
- Lexan lens
- Stamp customer part number on case
- Straight pointer
- 0-15 PSI pressure range
- Thread protector
- 1/8" NPT bushing
- Black-bezel
- Custom, 2-color dial
- Custom, 3-color dial
- Custom, 4-color dial

NOTE: Other desired features not listed above may be available depending on quantity. Furnish details and request formal quotation.

When ordering, specify:

1. Model number.
2. Dial range.
3. Details of any nonstandard dial.
4. Any available options desired.