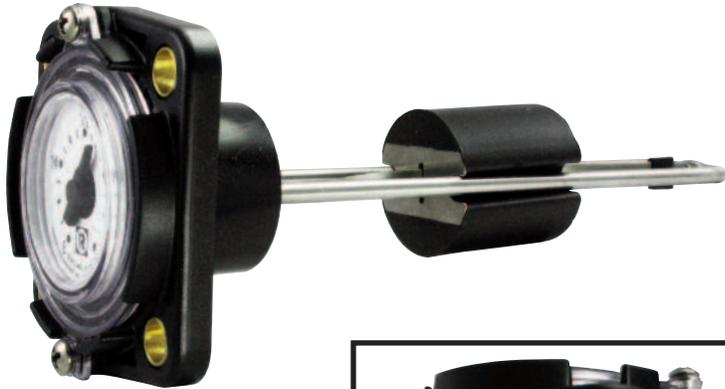


ISO 9001:2008 CERTIFIED

Application

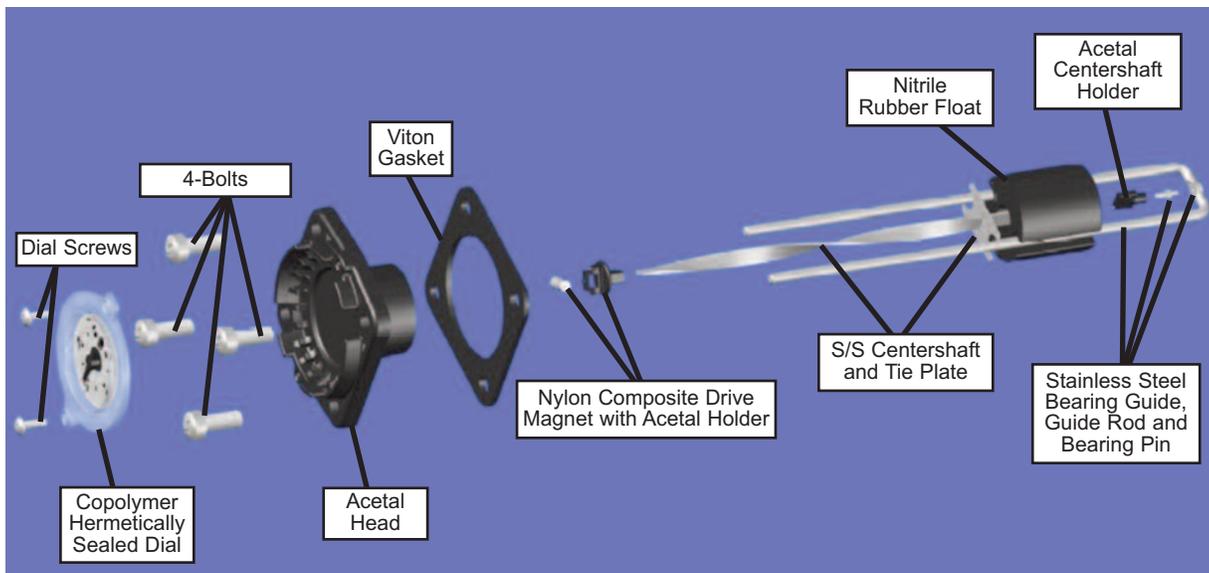
The 8684 Top Mount Model 4-Bolt Head Medium Duty Spiral Gauge is designed for use in measuring liquid levels in gasoline, diesel fuel, bio-diesel, hydraulic and lubricating oils where space restrictions prevent the use of a swing-arm style mechanical gauge. It is ideal for medium duty construction & agriculture, lawn & garden, and recreational vehicle applications.



General Information & Features

- Field Replaceable Fractional Dial
- Solid Construction Head, No-Leakage Path to Dial

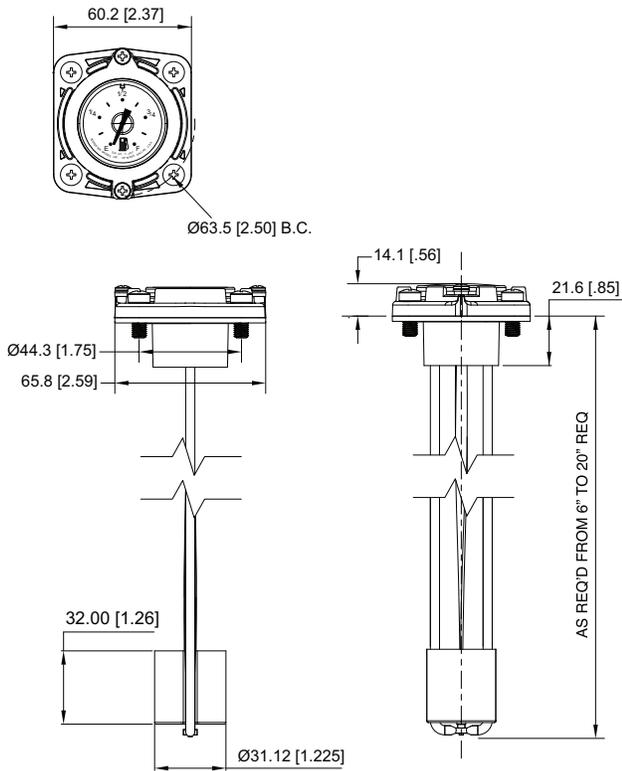
The 4-Bolt Head mounting of the 8684 Spiral Gauge allows a tight seal that restricts vapor loss. The 8684 4-Bolt Head Spiral Gauge is designed for top mounting and has an easy to read fractional dial. It is available in lengths from 6 to 20 inches.



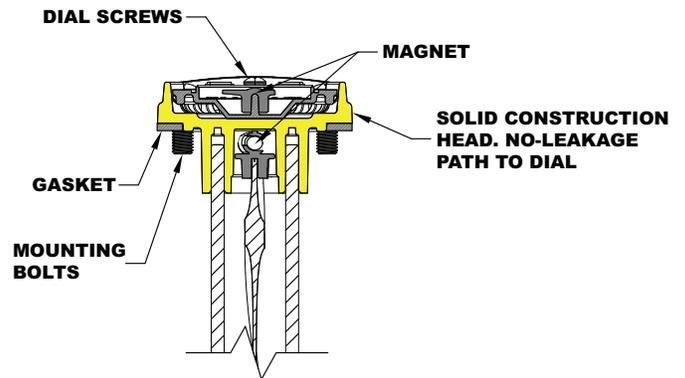
4-Bolt Head Spiral Gauges

8684

4-Bolt Head Spiral Gauges



View of Magnetic Coupling



The Rochester magnetic liquid level gauge operates simply by means of a float actuating a powerful magnet inside the container which in turn provides an invisible "magnetic coupling", through a solid head, with the magnet on the pointer in the dial chamber. Thus the gauge head completely seals off the liquid in the container so the dial may be removed and replaced quickly anytime without loss of liquid.

General Specifications*

Mounting

Designed for top-mounting only.

Accuracy

Accuracy depends upon proper gauge sizing. Direct read dials +/-7%. Accuracy may be less depending upon tank shape. Accuracy may be less near full and empty. Accuracy may be less if tank is not level. This gauge is not to be used for filling. All accuracy estimates are expressed as a percent of full scale.

Temperature

Standard operating range is -40°F to 158°F, -40°C to 70°C.

Shock & Vibration

Suitable for mobile, off-road medium duty, and marine applications.

Tank Pressure

0 to 14.5 psig [0 - 1.0 Bar] maximum.

Tank Opening Details

Four 0.25"-28 bolt holes on 2.50" bolt circle, Ø1.750 center hole.

Note: For bolted gauge installation instructions see MS-501/502.

When ordering, specify:

1. Gauge model number.
2. Tank depth.
3. Riser height, if any.

Materials of Construction*

Head

Acetal.

Seal

Viton.

Guide Rod

Stainless steel.

Centershaft

Stainless steel.

Tie Plate

Stainless steel.

Guide & Bearing Pin

Stainless steel.

Float

Nitrile Ebonite.

Drive Magnet

Nylon 12 composite.

Standard Dial

Copolymer, hermetically sealed, gasoline resistant.

Magnet Holder & Centershaft Holder

Acetal.

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

12/18/2014