

Lasts 10X Longer!

Lasts as much as 10X Longer in Severe
Vibration and Pulsation Service
when compared to
Liquid Filled Gauges

3D Instruments - Direct Drive Pressure Gauge

ONLY ONE MOVING PART

- No gears or linkages

NO LIQUID FILL

- No mess or maintenance issues

NO RECALIBRATION

- Accuracy is maintained for life of gauge

150% OVERPRESSURE

- Pressure to 150% of range will not result in calibration shift

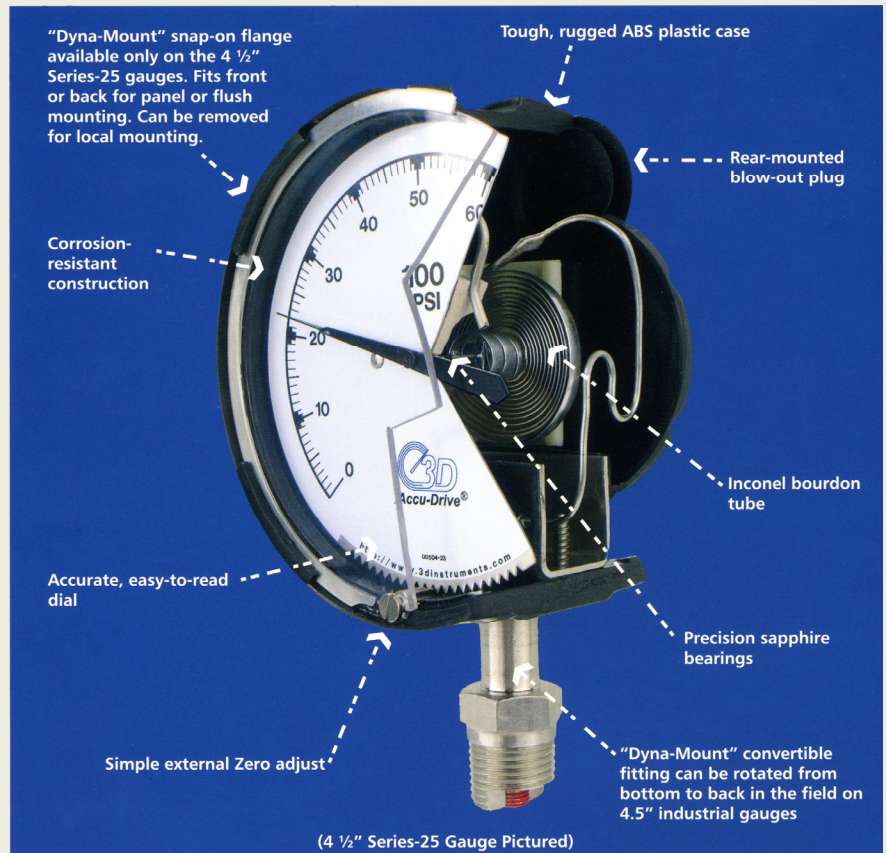
500% SPIKE PROTECTION

- Protected from pressure spikes up to 500% of range

QUALITY MATERIALS

- All wetted parts are 316SS or Inconel
- Precision anti-friction sapphire bearings

6 YEAR WARRANTY



Direct-drive pressure gauges replace the “C-shaped” bourdon tube and gears in a standard gauge with a unique helically wound bourdon. The helical bourdon is coupled directly to the shaft pointer, which is the only moving part. Fewer moving parts translate to fewer gauge problems. Regular recalibration is eliminated because there are no complex, wear-prone parts... like linkages, gears and sectors. Linearity is built-in; no span adjustment is necessary. Accuracy is maintained throughout the life of the gauge, which is much longer than standard gauges. Overpressure ratings are typically 150% of span which prevents calibration shift and the helical bourdon tube will typically withstand spikes of 500% of span without bursting. Helical bourdon tubes are typically made of Inconel, which is a highly elastic material with excellent corrosion resistance.

ARCO
Engineering, Inc.
Since 1954

HOW TO ORDER A 3D GAUGE

Product catalogs and part numbers:

www.arcoengineering.com/products/3d/3d.htm

3317 Gilmore Industrial Blvd.
Louisville, KY 40213-2174
Ph: (502) 966-3134
Fx: (502) 966-3135
sales@arcoengineering.com