

# DRF22

## BRASS BOURDON TUBE PRESSURE GAUGE



KOBOLD Instruments Inc.  
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- Economical brass construction
- Highly reliable
- Rugged design
- ± 1.0 % accuracy
- Pulsation and vibration damping through optional glycerin filling



KOBOLD DRF22 Pressure Gauge

The DRF22 pressure gauge series is a versatile bourdon tube based device with brass movement. Stainless steel and brass construction offers a good combination of corrosion resistance and value.

To make installation a snap, the DRF22 is offered with or without panel mounting bezel, and either bottom or rear ports. An optional glycerin filled housing makes the unit suitable for deployment with media prone to pulsation and vibration. With ranges reaching from -30" Hg to 10,000 PSIG, the DRF22 is the right fit for most pressure sensing applications.

### Specifications

**Ranges:** -14.7 to 10,000 PSIG (see table)

**Over Pressure Protection**  
**Momentary:** 1.15 to 1.3 x range max.

**Sensing Element:** bourdon tube

**Accuracy:** ±1.0% of full scale

**Operating Temperature**  
**Medium:** freezing to 180°F  
**Ambient:** freezing to 140°F

**Fittings:** 1/2" NPT

### Materials of Construction

#### Wetted Parts

##### Element

< 1000 PSIG: Copper

1000 PSIG & Up: Stainless Steel

**Fitting:** CuZn Alloy

#### Exterior

**Movement:** Brass

**Housing:** 304 SS or aluminum

**Bezel:** 304 SS

**Pointer:** Black aluminum

**Indicator Dial:** White aluminum

**Window:** Safety glass

**Options:** Glycerin damped indicator assembly



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DRF22 Ordering Information	
<b>DRF22</b>	= Copper Element High Pressure Bourdon Tube Pressure Gauge
-1	= 100 mm (4 inch) Dial Face, Bottom Process Connection
-2	= 100 mm (4 inch) Dial Face, Rear Process Connection
-3	= 100 mm (4 inch) Dial face, Rear Process Connection with Panel Mountable Bezel
<b>Range</b>	= Pressure Range Abbreviation
<b>H00</b>	= -30" to 0" Hg
<b>115</b>	= 15 PSIG
<b>130</b>	= 30 PSIG
<b>160</b>	= 60 PSIG
<b>210</b>	= 100 PSIG
<b>216</b>	= 160 PSIG
<b>220</b>	= 200 PSIG
<b>230</b>	= 300 PSIG
<b>Available Measuring Ranges</b>	
<b>260</b>	= 600 PSIG
<b>310</b>	= 1000 PSIG
<b>320</b>	= 2000 PSIG
<b>330</b>	= 3000 PSIG
<b>350</b>	= 5000 PSIG
<b>410</b>	= 10000 PSIG
<b>F</b>	= Optional glycerin damped indicator assembly ( <b>NOTE:</b> DRF22-3xxxF comes with aluminum housing)
<b>DRF22 -1 320 F</b>	<b>Sample DRF22 Specification</b>

## Dimensions (mm)

