Bourdon Tube Pressure Gauge
Type 111.11RF Refrigeration Gauge
Standard Series

Application
- Refrigeration test manifolds
- Compressed air systems
- Suitable for fluid medium which does not clog connection port or corrode copper alloy

Special Features
- Durable red or blue ABS case
- Zero-adjustment screw on dial
- Silicone dampened movement

Standard Features
Design
ASME B40.100

Sizes
2 1/2" (68 mm)

Accuracy Class
± 1/2/5% of span
1% at zero pressure
2% in the first 75% of the scale
5% in the last 25% of the scale

Ranges
-30 InHg / 120 psi, retard to 350 psi, 0/500 psi
Additional Ranges / Consult Factory

Working Pressure
Steady: 3/4 of full scale value
Fluctuating: 2/3 of full scale value
Short Time: full scale value

Operating Temperature
Ambient: -40°F to 140°F (-40°C to 65°C)
Media: 140°F (+65°C) maximum

Temperature Error
Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.4% for every 18°F (10°C) rising or falling. Percentage of span.

Pressure Connection
Material: Copper alloy
Lower Mount (LM) 1/8" or 1/4" NPT

Bourdon Tube
Material: Copper alloy
15 psi to 800 psi: C-type

Movement
Copper alloy, silicone dampened

Dial
White aluminum with stop pin and black lettering. Zero-adjustment screw on dial

Pointer
Black aluminum

Case
Red or Blue ABS

Window
Twist-lock clear polycarbonate

Restrictor
Brass restrictor press - 0.5mm
### Optional Extras

- Black ABS Case
- Refrigeration scales
- Other pressure scales available: Bar, kPa, MPa, kg/cm² and dual scales
- Red and blue steel case

### Dimensions

![Diagram of pressure gauge]

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>T</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5&quot;</td>
<td>mm</td>
<td>72.4</td>
<td>57</td>
<td>31</td>
<td>10.6</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>in</td>
<td>2.85</td>
<td>2.24</td>
<td>1.22</td>
<td>0.42</td>
<td>0.55</td>
</tr>
</tbody>
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Specifications and dimensions provided in this data sheet represent the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.