Type 1009 4½” & 6” Stainless Steel Gauge

- 4½” and 6” SS gauges
- Dry and liquid-filled versions
- Micrometer adjustable pointer
- Variety of Bourdon tube materials
- ASME Grade 1A, ±1% of span accuracy
- New PLUS!™ Performance Option:
  - Liquid-filled performance in a dry gauge
  - Fights vibrations and pulsations with out liquid-fill headaches
  - Order as option XLL

The 4½” and 6” Ashcroft Type 1009 gauges are suitable where ambient corrosion is a major concern. Its attractive stainless steel case and ring provides excellent resistance to chemical, weather and corrosion attack. This 1009 has many optional features that allow a user to develop a basic or special product specification. The 1009 is part of the extensive line of Ashcroft stainless steel pressure gauges.

The gauge is available dry, liquid-filled weatherproof or hermetically sealed and now with PLUS!™ Performance option.

### TEMPERATURE LIMITS

<table>
<thead>
<tr>
<th></th>
<th>Ambient</th>
<th>Process</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry</td>
<td>-20°F/200°F</td>
<td>-20°F/250°F</td>
<td>-20°F/200°F</td>
</tr>
<tr>
<td>PLUS!™</td>
<td>-40°F/150°F</td>
<td>-40°F/200°F</td>
<td>-40°F/150°F</td>
</tr>
<tr>
<td>LF (glycerin)</td>
<td>20°F/150°F</td>
<td>0°F/200°F</td>
<td>0°F/200°F</td>
</tr>
<tr>
<td>(silicone)</td>
<td>-40°F/150°F</td>
<td>-40°F/200°F</td>
<td>-40°F/150°F</td>
</tr>
<tr>
<td>(Halocarbon™)</td>
<td>-40°F/150°F</td>
<td>-40°F/200°F</td>
<td>-40°F/150°F</td>
</tr>
</tbody>
</table>

Note: Other than discoloration of the dial and hardening of the gas-keeting that may occur as ambient or process temperatures exceed 150°F, non-liquid-filled gauges with standard glass windows, can withstand continuous operating temperatures up to 250°F (121°C). Liquid-filled gauges can withstand 200°F (93°C) but glycerin fill and acrylic window will tend to yellow. Accuracy at temperatures above or below the reference ambient temperature of 68°F will be affected by approximately .4% per 25°F. Gauges with welded joints will withstand 750°F (405°C) with silver brazed joints for short times without rupture, although other parts of the gauge will be destroyed and calibration will be lost. For continuous use and for process or ambient temperatures above 250°F (121°C), a dia-phragm seal or capillary or siphon is recommended.

### PRODUCT SPECIFICATIONS

- Model Number: 1009
- Accuracy: 1% full scale (Grade A, ASME B40.100)
- Ranges: Vacuum – 30,000 psi
- Dial Size: 4½” and 6” diameter
- Case: Open front
- Case Material: 304 SS
- Weather Protection: Dry Case: IP4
- Ring Type: 304 SS, bayonet
- Window: Glass
- Dial: Aluminum, white background, black figures and graduations.
- Pointer: Micrometer adjustable
- Movement: 400 SS (conventional)
- Bourdon Tube & Socket: Bronze/Brass (A)™
- 316LS/316L SS (S)™
- Monel®/Monel® (P)™
- Connection Size: ¼”, ½ NPT
- Connection Location: Lower and back

### PRODUCT OPTIONS

- PLUS!™ Performance:XLL
- Fill: L-Glycerin-Standard
- XGV-Silicone-Optional
- XGX-Halocarbon™-Optional

### Weatherproof

- Hermetic Seal: XGJ

### Panel Mount

- Front Flange: XFF
- Panel Mount: XUC
- U-Clamp: XBF

### Oxygen Clean

- X6B

### Window

- Acrylic: XPD
- Shatterproof: XSG

### 45/60 1009 GAUGE PRODUCT CODING

**Typical Code:**

<table>
<thead>
<tr>
<th>4S</th>
<th>1009</th>
<th>S</th>
<th>L</th>
<th>CODE</th>
<th>Description</th>
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<tbody>
<tr>
<td>(1)</td>
<td>1009</td>
<td>(S)</td>
<td>(L)</td>
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<td>Code: Description</td>
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<td>Socket S</td>
<td>Code: Description S</td>
<td>L</td>
<td>Description S</td>
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<td>(3)</td>
<td>(4)</td>
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<td>Description S</td>
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<td>(2)</td>
<td>(3)</td>
<td>(4)</td>
<td>(5)</td>
<td>(6)</td>
</tr>
</tbody>
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- Monel®/Monel® (P)™
- Connection Size: ¼”, ½ NPT
- Connection Location: Lower and back

**Temperature Limits:**

- Ambient: -20°F/200°F
- Process: -20°F/250°F
- Storage: -20°F/200°F

**Plus!™ Performance Option:**

- Liquid-filled performance in a dry gauge
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**Product Options:**

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- XGX-Halocarbon

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- Panel Mount: XUC
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Type 1009 4½˝ & 6˝ Stainless Steel Gauge

DIMENSIONS

<table>
<thead>
<tr>
<th>Gauge</th>
<th>Size</th>
<th>ABC</th>
<th>C-1</th>
<th>D</th>
<th>DD</th>
<th>E</th>
<th>F</th>
<th>FF</th>
<th>G</th>
<th>GG</th>
<th>H</th>
<th>HH</th>
<th>I</th>
<th>J</th>
<th>L</th>
<th>M</th>
<th>S</th>
<th>U</th>
<th>ZZ</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>4½˝</td>
<td>100</td>
<td>4˝</td>
<td>120</td>
<td>2%</td>
<td>5%</td>
<td>6%</td>
<td>1%</td>
<td>1%</td>
<td>3%</td>
<td>1%</td>
<td>3%</td>
<td>(5)</td>
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<td>3%</td>
<td>1%</td>
<td>3%</td>
<td>1%</td>
<td>3%</td>
<td>(6)</td>
<td>4%</td>
</tr>
<tr>
<td>6˝</td>
<td>160</td>
<td>6%</td>
<td>160</td>
<td>2%</td>
<td>6%</td>
<td>7%</td>
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<td>4%</td>
<td>1%</td>
<td>4%</td>
<td>2%</td>
<td>1%</td>
<td>4%</td>
<td>1.75#</td>
</tr>
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</table>

Note: Dimensions in brackets ( ) are millimeters.

Standard Ranges (Metric equivalents available)

Pressure – psi

<table>
<thead>
<tr>
<th>Range</th>
<th>Figure Interval</th>
<th>Minor Graduation</th>
</tr>
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<tbody>
<tr>
<td>0/15</td>
<td>1</td>
<td>0.2</td>
</tr>
<tr>
<td>0/30</td>
<td>5</td>
<td>0.5</td>
</tr>
<tr>
<td>0/60</td>
<td>5</td>
<td>0.5</td>
</tr>
<tr>
<td>0/100</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>0/150</td>
<td>20</td>
<td>2</td>
</tr>
<tr>
<td>0/200</td>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>0/300</td>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>0/600</td>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>0/800</td>
<td>100</td>
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<tr>
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<td>0/2000</td>
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<td>2000</td>
<td>250</td>
</tr>
<tr>
<td>0/20,000</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>0/30,000</td>
<td>5000</td>
<td>500</td>
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Compound

<table>
<thead>
<tr>
<th>Range</th>
<th>Figure Interval</th>
<th>Minor Grads</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 Hg/15 psi</td>
<td>5</td>
<td>0.5 0.2</td>
</tr>
<tr>
<td>30 Hg/30 psi</td>
<td>10</td>
<td>1 1</td>
</tr>
<tr>
<td>30 Hg/60 psi</td>
<td>10</td>
<td>2 1</td>
</tr>
<tr>
<td>30 Hg/150 psi</td>
<td>10</td>
<td>5 2</td>
</tr>
<tr>
<td>30 Hg/200 psi</td>
<td>30</td>
<td>5 2</td>
</tr>
<tr>
<td>30 Hg/300 psi</td>
<td>30</td>
<td>5 2</td>
</tr>
</tbody>
</table>

Vacuum

<table>
<thead>
<tr>
<th>Range</th>
<th>Figure Interval</th>
<th>Minor Grads</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 in. Hg</td>
<td>5</td>
<td>0.2 in</td>
</tr>
<tr>
<td>34.5 ft. Hg</td>
<td>5</td>
<td>0.5 ft</td>
</tr>
</tbody>
</table>

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