Type 1279 Duragauge® Pressure Gauge
Available With PLUS!™ Performance Option

- Solid front case design, field convertible to hermetically sealed or liquid filled style
- Pressure ranges from vacuum — 30,000 psi
- Select from various socket and Bourdon tube materials
- Micrometer adjustable pointer
- 400 Series stainless steel movement wears better for longer life
- Teflon-coated pinion for longer life
- Patented Duratube™ with as-welded tube construction controls stresses for longer life
- PLUS!™ Performance Option:
  - Liquid-filled performance in a dry gauge
  - Fights vibration and pulsations without liquid-filled headaches
  - Order as option XLL

The Ashcroft® Duragauge® pressure gauge is the finest production gauge on the market for industrial use where precise indications are required. The product line offers a wide variety of case styles, Bourdon tubes and pressure ranges to meet your application needs.

With the component combinations available in the Duragauge gauge line, over ten million variations are possible to serve the needs of all types of industries, including process, power, nuclear, aerospace and cryogenics.

### PRODUCT SPECIFICATIONS

**Model Number:** 1279
**Accuracy:** ±% full scale (Grade 2A, ASME B40.100)
**Ranges:** Vac., compound to 30,000 psi
**Dial Size:** 4½” diameter
**Case Material:** Black phenolic, solid front
**Weather Protection:** Dry Case: IP4 Liquid filled or hermetically sealed case: IP 65
**Ring:** Threaded reinforced black polypropylene
**Window:** Glass
**Dia:** Aluminum, white background, black figures and intervals
**Pointer:** Micrometer adjustable
**Movement:** Rotary, 400 SS, Teflon® coated pinion gear and segment

### Bourdon Tube and Socket:
- 316L Phos. bronze/brass (A)¹
- 316L SS/steel (R)¹
- 316L SS/316L SS (S)¹
- K Monel/ Monel (P)¹
**Conn. Size:** ¼” NPT
**Conn. Location:** Lower or back

### OPTIONAL FEATURES

- Fill:
  - L-Glycerin-Standard
  - XGV-Halocarbon-Optional
  - XGX-Halocarbon-Optional

### PLUS!™ Performance:
- XLL
- Hermetically Sealed, IP65: H
- Flush Mounting
- Ring: X56
- Receiver Gauge: XPR
- Shatter Proof

### Glass Window:
- XSG
### Acrylic Window:
- XPD
### Red Set Hand:
- XSH

### Maximum Pointer:
- XEP

¹ Joints silver brazed
² Joints welded

### TEMPERATURE LIMITS

<table>
<thead>
<tr>
<th>Ambient</th>
<th>Process</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry</td>
<td>-20/20°F (293°C)</td>
<td>-20/20°F (293°C)</td>
</tr>
<tr>
<td>LF (glycerin)</td>
<td>20/150°F (76°C)</td>
<td>20/200°F (73°C)</td>
</tr>
<tr>
<td>(silicone)</td>
<td>-40/150°F (212°C)</td>
<td>-40/200°F (212°C)</td>
</tr>
<tr>
<td>(halocarbon)</td>
<td>-40/150°F (212°C)</td>
<td>-40/200°F (212°C)</td>
</tr>
</tbody>
</table>

**Note:** Other than discoloration of the dial and hardening of the gasketing 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 gylcerin fill and acrylic window will tend to yellow. Accuracy at temperatures above or below the reference ambient temperature of 68°F (20°C) will be affected by approximately 4% per 25°F. Gauges with welded joints will withstand 750°F (450°C) (232°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 diaphragm seal or capillary or siphon is recommended.

(1) Available for temperatures below 20°F, see Product Information page ASH/Pi-21B for details.

### STANDARD RANGE TABLE* (Pressure – psi)

<table>
<thead>
<tr>
<th>Range</th>
<th>Figure interval</th>
<th>Minor Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0/15</td>
<td>1</td>
<td>0.1</td>
</tr>
<tr>
<td>0/30</td>
<td>5</td>
<td>0.2</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>20</td>
<td>2</td>
</tr>
<tr>
<td>0/300</td>
<td>50</td>
<td>2</td>
</tr>
<tr>
<td>0/400</td>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>0/500</td>
<td>100</td>
<td>5</td>
</tr>
<tr>
<td>0/600</td>
<td>500</td>
<td>10</td>
</tr>
<tr>
<td>0/700</td>
<td>500</td>
<td>20</td>
</tr>
<tr>
<td>0/800</td>
<td>500</td>
<td>20</td>
</tr>
<tr>
<td>0/900</td>
<td>500</td>
<td>20</td>
</tr>
<tr>
<td>0/1,000</td>
<td>1000</td>
<td>100</td>
</tr>
<tr>
<td>0/2,000</td>
<td>2000</td>
<td>200</td>
</tr>
<tr>
<td>0/3,000</td>
<td>5000</td>
<td>500</td>
</tr>
<tr>
<td>0/4,000</td>
<td>5000</td>
<td>120</td>
</tr>
<tr>
<td>0/5,000</td>
<td>5000</td>
<td>200</td>
</tr>
<tr>
<td>0/6,000</td>
<td>5000</td>
<td>200</td>
</tr>
</tbody>
</table>

* Full standard and metric equivalent range table available on our web site.
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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 in</td>
<td>0.5 psi</td>
</tr>
<tr>
<td>30° Hg/30 psi</td>
<td>10 in</td>
<td>1 psi</td>
</tr>
<tr>
<td>30° Hg/50 psi</td>
<td>10 in</td>
<td>1 psi</td>
</tr>
<tr>
<td>30° Hg/100 psi</td>
<td>10 in</td>
<td>2 psi</td>
</tr>
<tr>
<td>30° Hg/150 psi</td>
<td>10 in</td>
<td>2 psi</td>
</tr>
<tr>
<td>30° Hg/200 psi</td>
<td>30 in</td>
<td>2 psi</td>
</tr>
</tbody>
</table>

#### Vacuum

<table>
<thead>
<tr>
<th>Range</th>
<th>Figure Interval</th>
<th>Minor Grads</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 in. Hg</td>
<td>5 in</td>
<td>0.2 in</td>
</tr>
<tr>
<td>340 ft H₂O</td>
<td>5 ft</td>
<td>0.5 ft</td>
</tr>
</tbody>
</table>

#### TYPE 1278M SERIES FLUSH MOUNTING RING

Used to flush mount gauge case Type 1279(•)S. Standard finish is black; optional polished stainless steel finish is available.

#### Dimensions

![Dimensions Diagram]

#### Order Coding Example

<table>
<thead>
<tr>
<th>45</th>
<th>1279</th>
<th>S</th>
<th>S</th>
<th>04</th>
<th>L</th>
<th>XEPNH</th>
<th>100</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>(45)</td>
<td>4.5</td>
<td>(A)</td>
<td>Bronze tube, Brass socket(5)</td>
<td>(5)</td>
<td>Dry(IP54)</td>
<td>(5N)</td>
<td>Dry, Hermetically Sealed, Field Fillable (IP65)</td>
<td></td>
</tr>
</tbody>
</table>

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(5) Max pressure 1000 psi
(5N) Max pressure 30,000 psi

See website for most common ranges offered

[See website for more units of measure]