Type 1001T Panel Gauge

FEATURES
• Available in 1½", 2", 2½" and 3½" dial sizes
• Standard panel-mounting with U-clamp design — front flange mounting available for 2" and 2½" gauges
• Attractively designed ¼ turn polycarbonate window for better visibility and easy removal
• Patented PowerFlex™ movement with polyester segment
• True Zero™ indication, a unique safety feature

Ashcroft® panel gauges offer attractive design, excellent readability and a variety of dial sizes with a broad pressure range selection.

These gauges utilize a U-clamp mounting design. An optional front flange mounting design is available in 2" and 2½" gauges. Ashcroft panel gauges are available in a black steel case with a ¼-turn threaded polycarbonate window.

The patented Ashcroft PowerFlex™ movement incorporated in these gauges resists the effects of shock, pulsation and vibration.

True Zero™ indication, a unique safety feature standard on these gauges, is the accurate indication of zero pressure being applied to the gauge. In addition to the increased safety benefits, this means reduced inspection and manufacturing costs for you or your customer.

COMMONLY USED ON
Instrument panels, air conditioning equipment, air and gas dryers, compressors, pressure test stands, machine tools, a variety of other applications

PRODUCT SPECIFICATIONS
Ashcroft® Model No.: 1001T
Size: 1½", 2", 2½", 3½"
Case: Black-painted steel
Mounting: U-clamp (UC)
Window: ¼-turn threaded polycarbonate
Dial: Black figures on white background, aluminum
Pointer: Black, aluminum
Bourdon Tube: C-shape bronze (2"–3½", vacuum–600 psi and compound; 1½", vacuum–1000 psi)
Helical bronze (2"–3½", 1000–6000 psi)
Movement: Patented PowerFlex™ with polyester segment
Socket: Brass
Restrictor: .013" orifice throttle plug in gauges 1000 psi and above.
Connections: ¼ NPT and ½ NPT Back
1½" not available in ¼ NPT
Ranges: Vacuum-6000 psi and compound (1½" available in Vacuum - 1000 psi only)
Accuracy: ASME B40.100, Grade B, ±3-2-3%
Operating Temperature: –40° F to 150° F
–40° C to 65° C

OPTIONAL FEATURES
Case: Vent hole (VH)
Mounting: Front flange (FF)
Window: Simulated chrome trim (KL)
Pointer: Adjustable (AP)
Min-Max (EP)
Socket: Nonstandard length or thread
Throttle plugs – 0.007", 0.013", 0.020", and 0.063" orifices
Teflon taped (TC)
Others: Bulk pack (ZO), customized dials, nonstandard ranges, special calibration on application
FlutterGuard™

HOW TO ORDER (Typical example)

<table>
<thead>
<tr>
<th>Dial Size: 2&quot;</th>
<th>Movement: Patented PowerFlex™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case Type Number: 1001</td>
<td></td>
</tr>
<tr>
<td>Window: ¼ Turn</td>
<td></td>
</tr>
<tr>
<td>Connection Material: Brass</td>
<td></td>
</tr>
<tr>
<td>Connection Size/Location: ¼ NPT Back</td>
<td></td>
</tr>
<tr>
<td>Option: U Clamp Assembly</td>
<td></td>
</tr>
<tr>
<td>Range: 100 psi</td>
<td></td>
</tr>
</tbody>
</table>

Ashcroft Inc., 250 East Main Street, Stratford, CT 06614 USA
Tel: 203-378-8281 • Fax: 203-385-0408
email: info@ashcroft.com • www.ashcroft.com

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Type 1001T
Panel Gauge

DIMENSIONS

Case Type 1001T (UC)

<table>
<thead>
<tr>
<th>INCHES MIN</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>Conn. NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2&quot;</td>
<td>1.85 (47)</td>
<td>0.85 (22)</td>
<td>1.60 (41)</td>
<td>1.23 (31)</td>
<td>0.13 (3)</td>
<td>0.56 (14)</td>
<td>1.13 (29)</td>
<td>0.67 (17)</td>
<td>7/16 sq.</td>
<td>--</td>
<td>--</td>
<td>1/8</td>
</tr>
<tr>
<td>2&quot;</td>
<td>2.30 (59)</td>
<td>0.94 (24)</td>
<td>2.06 (52)</td>
<td>1.94 (49)</td>
<td>0.17 (4)</td>
<td>0.69 (18)</td>
<td>1.38 (35)</td>
<td>0.88 (14)</td>
<td>7/16 sq.</td>
<td>--</td>
<td>--</td>
<td>3/8 or 5/16</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>2.87 (73)</td>
<td>0.97 (25)</td>
<td>2.57 (65)</td>
<td>1.97 (50)</td>
<td>0.17 (4)</td>
<td>1.00 (25)</td>
<td>2.00 (51)</td>
<td>0.88 (14)</td>
<td>7/16 sq.</td>
<td>--</td>
<td>--</td>
<td>3/8 or 5/16</td>
</tr>
<tr>
<td>3 1/2&quot;</td>
<td>3.96 (101)</td>
<td>1.00 (25)</td>
<td>3.61 (92)</td>
<td>1.75 (44)</td>
<td>0.20 (5)</td>
<td>1.53 (39)</td>
<td>3.06 (78)</td>
<td>0.88 (14)</td>
<td>7/16 sq.</td>
<td>--</td>
<td>--</td>
<td>3/8 or 5/16</td>
</tr>
</tbody>
</table>

Case Type 1001T (FF)

<table>
<thead>
<tr>
<th>INCHES MIN</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>Conn. NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>2.30 (59)</td>
<td>0.88 (22)</td>
<td>2.06 (52)</td>
<td>--</td>
<td>0.17 (4)</td>
<td>--</td>
<td>--</td>
<td>0.88 (14)</td>
<td>7/16 sq.</td>
<td>--</td>
<td>--</td>
<td>3/8 or 5/16</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>2.87 (73)</td>
<td>0.97 (25)</td>
<td>2.59 (66)</td>
<td>--</td>
<td>0.17 (4)</td>
<td>--</td>
<td>--</td>
<td>0.86 (14)</td>
<td>7/16 sq.</td>
<td>--</td>
<td>--</td>
<td>3/8 or 5/16</td>
</tr>
</tbody>
</table>

Hole Diameter

<table>
<thead>
<tr>
<th>Panel Cut-out</th>
<th>Min. Inches (mm)</th>
<th>Max. Inches (mm)</th>
<th>Max. Panel Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2&quot; Gauge</td>
<td>1.625 (41.3)</td>
<td>1.750 (44.5)</td>
<td>1/2 (3.2)</td>
</tr>
<tr>
<td>2&quot; Gauge</td>
<td>2.084 (53.2)</td>
<td>2.219 (56.4)</td>
<td>1/4 (11.0)</td>
</tr>
<tr>
<td>2 1/2&quot; Gauge</td>
<td>2.609 (66.3)</td>
<td>2.750 (69.9)</td>
<td>1/4 (11.0)</td>
</tr>
<tr>
<td>3 1/2&quot; Gauge</td>
<td>3.625 (92.1)</td>
<td>3.812 (96.8)</td>
<td>1/4 (11.0)</td>
</tr>
</tbody>
</table>

*6-32 Studs on 1 1/2" Gauge

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