ATEX/IECEX APPROVED MAGNEHELIC® DIFFERENTIAL PRESSURE GAGES

Magnehelic® Gage in Flameproof ATEX/IECEx Enclosure

The Series AT-2000 ATEX/IECEx Approved Magnehelic® Differential Pressure Gages combines the popular Magnehelic® line with a flameproof enclosure to extend usage to hazardous locations. This gage can indicate positive, negative or differential pressures and is accurate within 2%.

**BENEFITS/FEATURES**
- Quick response to pressure changes means no delay in assessing critical situations
- Durable and rugged housing and high-quality components combined provides long-service life and minimized down-time
- High impact strength and high temperature rated for applications where hazardous environments exist
- ATEX/IECEx housing provides all the capabilities and value of the Magnehelic® in a flame and explosion proof enclosure
- Increased response time at low pressures with LD port configuration

**APPLICATIONS**
- Fan and blower pressures
- Filter resistance
- Air velocity
- Furnace draft
- Liquid levels with bubbler systems
- Pressure in fluid amplifier or fluidic systems

**Attention:** Check local safety rules and warnings on unit and manual for a correct use of the instrument in hazardous area.

**SPECIFICATIONS**
- **Service:** Air and non-combustible, compatible gases.
- **Wetted Materials:** Consult factory.
- **Magnehelic® Housing:** Die cast aluminum case and bezel with acrylic cover; Exterior finish is coated gray to withstand 168 hour salt spray corrosion test.
- **Housing Material:** Aluminum.
- **Finishing:** Texture epoxy coat RAL7015.
- **Accuracy:** ±2% of FS (±3% on -0, -100PA, -125PA, -10MM and ±4% on -00, -60PA, -6MM ranges), throughout range at 70°F (21.1°C).
- **Pressure Limits:** See pressure limit chart.
- **Temperature Limits:** 20 to 140°F (-6.67 to 60°C); Low temperature option: -20°F (-28.8°C) (Note: Product temperature limits are less than case limits).
- **Mounting Orientation:** Diaphragm in vertical position.
- **Enclosure Rating:** IP66 (IP65 for versions VS1, VS2, and VL1).
- **Process Connections:** 1/8˝ NPT female brass (SS optional).
- **Weight:** 10.5 lb (4.8 kg).
- **ATEX Certificate:** EPT 19 ATEX 3192 X.
- **Agency Approvals:**
  - ATEX compliant: 0477 II 2G Ex db IIC T5, T6 Gb
  - T6) -60°C ≤Ta ≤+50°C (T6) -60°C ≤Ta ≤+60°C (T5)
  - Ex tb IIIC T75°C Db.

**MODEL CHART**

**Example**

<table>
<thead>
<tr>
<th>Enclosure</th>
<th>AT-101NA-2001-X-W1VS0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port/Valve</td>
<td>VS0 10 kPa 10 kPa</td>
</tr>
<tr>
<td>LS 27.2 C 28.8 2015 2000 AT-101NA-2001-X-W1VS0</td>
<td></td>
</tr>
<tr>
<td>Port/Valve</td>
<td>1 VS0 10 kPa 10 kPa</td>
</tr>
<tr>
<td>LS 27.2 C 28.8 2015 2000 AT-101NA-2001-X-W1VS0</td>
<td></td>
</tr>
<tr>
<td>Port/Valve</td>
<td>2 VS0 10 kPa 10 kPa</td>
</tr>
<tr>
<td>LS 27.2 C 28.8 2015 2000 AT-101NA-2001-X-W1VS0</td>
<td></td>
</tr>
<tr>
<td>Port/Valve</td>
<td>3 VS0 10 kPa 10 kPa</td>
</tr>
<tr>
<td>LS 27.2 C 28.8 2015 2000 AT-101NA-2001-X-W1VS0</td>
<td></td>
</tr>
<tr>
<td>Port/Valve</td>
<td>4 VS0 10 kPa 10 kPa</td>
</tr>
<tr>
<td>LS 27.2 C 28.8 2015 2000 AT-101NA-2001-X-W1VS0</td>
<td></td>
</tr>
</tbody>
</table>

**USA: California Proposition 65**

©WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Over Protection Note: See page 21 (Series 2000)