1. DESCRIPTION / FUNCTION
The contact pressure gauge is installed in the agent tank valve. The gauge is available in either normally open (NO) or normally closed (NC) contacts. The contacts are activated by the decrease in tank pressure during a system discharge or loss of tank pressure due to a leak. Gauges are available for either 2901 psi (200 bar) or 4351 psi (300 bar) tanks.

2. LISTINGS AND APPROVALS
- cULus Listed - EX5248 (Oxeo PR CF)
- FM Approved: Oxeo PR CF

3. TECHNICAL DATA
Specifications
- Pressure Medium: argon (IG-01), nitrogen (IG-100)
- Nominal size: 50 mm
- Accuracy class: 1.6
- Temperature rating: -4 °F to 131 °F (-20 °C to +55 °C)
- IP code: IP65 with mounted cable

Electrical Data
- Switching voltage: 4.5 - 24 VDC / VAC
- Switching current: 5 - 100 mA
- Contact load: 2.4 W maximum, dry contact
- Conducting wire: two-core, 39.37ʺ (100 cm)
- Cross-section of conducting wire: 0.000217 in² (0.14 mm²)

Material Standards
- Housing: stainless steel
- Pointer: plastic, yellow
- Measuring network, motion work: copper alloy
- Inspection glass: polycarbonate
- Pressure connection: M12x1, SW14

Design of Instrument Dial
- Dial design: according to UL2127
- Material: Aluminum, white
- Scale: dual scale (psi/bar)
- Indicating range: 0 - pressure range (see table below)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Nominal Pressure at 59 °F (15 °C) psi (bar)</th>
<th>Switching Mode¹,²</th>
<th>Pressure range / switching point psi (bar)</th>
<th>Tolerance switching point UL psi (bar)</th>
<th>Weight lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>927612</td>
<td>2901 (200)</td>
<td>Break contact¹ (NO) under pressure</td>
<td>4351 / 2611 (300 / 180)</td>
<td>± 108.8 (± 7.5)</td>
<td>0.33 (0.15)</td>
</tr>
<tr>
<td>927616</td>
<td>4351 (300)</td>
<td>Break contact¹ (NO) under pressure</td>
<td>6527 / 3916 (450 / 270)</td>
<td>± 163.2 (± 11.25)</td>
<td>0.33 (0.15)</td>
</tr>
<tr>
<td>927615</td>
<td>2901 (200)</td>
<td>Make contact² (NC) under pressure</td>
<td>4351 / 2611 (300 / 180)</td>
<td>± 108.8 (± 7.5)</td>
<td>0.33 (0.15)</td>
</tr>
<tr>
<td>927617</td>
<td>4351 (300)</td>
<td>Make contact² (NC) under pressure</td>
<td>6527 / 3916 (450 / 270)</td>
<td>± 163.2 (± 11.25)</td>
<td>0.33 (0.15)</td>
</tr>
</tbody>
</table>

 WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
The technical data described herein is for components of the Viking Oxeo PR Fire Extinguishing Systems.

Visit the Viking website for the latest edition of the technical data and system manuals.

Figure 1: Dimensions

Inches (mm)

<table>
<thead>
<tr>
<th>Nominal Pressure at 59 °F (15 °C)</th>
<th>Red area</th>
<th>Green area</th>
<th>Marking at nominal pressure psi (bar)</th>
<th>Marking at I psi (bar)</th>
<th>Marking at III psi (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>psi (bar)</td>
<td>to II bar</td>
<td>to III bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2901 (200)</td>
<td>160-180</td>
<td>180-200</td>
<td>2901</td>
<td>(200)</td>
<td>59 °F</td>
</tr>
<tr>
<td>4351 (300)</td>
<td>235-270</td>
<td>270-366</td>
<td>4351</td>
<td>(300)</td>
<td>59 °F</td>
</tr>
</tbody>
</table>
The technical data described herein is for components of the Viking Oxeo PR Fire Extinguishing Systems. Visit the Viking website for the latest edition of the technical data and system manuals.

**Figure 2: Contact Pressure Gauge**

Wiring

NORMALLY OPEN (NO) IS FOR CONVENTIONAL PANEL. NOT REQUIRED FOR ADDRESSABLE PANEL
NORMALLY CLOSED (NC) IS FOR ADDRESSABLE PANEL. NOT REQUIRED FOR CONVENTIONAL PANEL

*NO AND NC IS RELATED TO VALVE STATE UNDER PRESSURE

END OF LINE RESISTOR DETERMINED BY CONTROL PANEL OR ADDRESSABLE MODULE

LOW PRESSURE SWITCH

LOW PRESSURE SWITCH

(low) NO (high)

END OF LINE RESISTOR DETERMINED BY CONTROL PANEL OR ADDRESSABLE MODULE

LOW PRESSURE SWITCH

LOW PRESSURE SWITCH

(low) NC (high)

(end of line)

(BASE MODULE)

(BASE MODULE)