### Sealing Elements

**Apollo PowerPress EPDM (Black) Sealing Element**  
Operating Temperature: -40°F to 302°F (-40°C to 150°C)

This sealing element is used mainly in the applications of hydronic heating, chilled water, and fire sprinkler installations. EPDM, or ethylene-propylene-diene monomer, is shiny black in color. The EPDM sealing element is a synthetically manufactured and peroxidically cross-linked general purpose elastomer with a wide range of applications.

The EPDM sealing element possesses excellent resistance to aging, ozone, sunlight, weathering, environmental influences, alkalis and most alkaline solutions and chemicals used in a broad range of applications.

**Apollo PowerPress Gas HNBR (Yellow) Sealing Element**  
Operating Temperature: -40°F to 194°F (-40°C to 90°C)

This sealing element is used mainly for fuel gas applications. HNBR, or Hydrogenated Nitrile Butadine Rubber is yellow in color for easy identification.

With its excellent performance for the most demanding of applications, HNBR is the ideal choice for applications needing excellent physical properties, as well as oil and/or chemical resistance.

---

<table>
<thead>
<tr>
<th>Type of Service</th>
<th>System Operating Conditions</th>
<th>PowerPress</th>
<th>PowerPress Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Comments</td>
<td>Pressure</td>
<td>Temperature</td>
</tr>
<tr>
<td>Fluids/Water</td>
<td>Ethylene Glycol</td>
<td>230 psi</td>
<td>Down to -40°F</td>
</tr>
<tr>
<td></td>
<td>ProPlyene Glycol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydronic Heating</td>
<td>Ethylene Glycol</td>
<td>230 psi</td>
<td>0°F to 302°F</td>
</tr>
<tr>
<td></td>
<td>ProPlyene Glycol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Sprinkler</td>
<td>Compliant with UL and FM for NFPA 13, 13D and 13R</td>
<td>175 psi</td>
<td>Ambient</td>
</tr>
<tr>
<td>Low Pressure System [Steam]</td>
<td>Up to 15 psi</td>
<td></td>
<td>max 302°F</td>
</tr>
</tbody>
</table>

**Oil and Lubricant**

- **Heating Fuel Oil**: 125 psi, -40°F to 180°F
- **Diesel Fuel**: Compliant with NFPA 30 and 30A, 125 psi
- **Engine Oil**: 150 psi, Ambient
- **Gear Grease**: 150 psi, 104°F
- **Hydraulic Fluid**: Mineral Based, 230 psi, Ambient
- **Transmission Fluid**: 230 psi, Ambient

**Gases**

- **Natural Gas, LP Gas, and Fuel Oil**: 125 psi max, -40°F to 180°F
- **Compressed Air**: Oil Concentrate <25mg/m³, 230 psi, up to 140°F
- **Vacuum**: Max 29.2 in Hg, up to 140°F
- **Nitrogen**: 230 psi, up to 140°F
- **Argon**: 230 psi, up to 140°F
- **Carbon Dioxide**: 230 psi, up to 140°F

---

1. Consult the Apollo Technical Support Department for information on applications not listed and applications outside the temperature and pressure ranges listed above.
2. All systems are recommended to be clearly labeled with the fluid or gas being conveyed.