Tough, versatile, adapted to a wide range of hole diameters, the packers are highly flexible and can be inflated with different fluids.

**Description**

The **LP** and **MP** series of inflatable packers consist of an inflatable gland, fitted with swaged steel collars, mounted on a stainless steel center tube. They can be inflated with a variety of fluids such as water, air, nitrogen, etc., to provide a tight seal in holes or casings. The gland flexibility and the range of pressures assure a tight fit against irregular rugged walls. The same size packer will fit a wide range of hole diameters. Single and double units are available.

The gland element consists of a rubber membrane reinforced with extensible steel fabric, and covered with an additional layer of abrasion resistant rubber. Threaded swaged collars terminate both ends of the gland. The collars are used to thread the gland onto packer heads which are mounted on the center tube. One of the heads is fixed and contains the inflation port. The other head is free to move, allowing the highly reinforced gland to retract about the center tube as it inflates. A NPT pipe thread terminates the top end of the center tube. An assembly is available for use with wireline equipment.

The series includes membranes that can be inflated under low (LP) or high (MP) pressure. The model numbers (e.g. 30-53) refer to the deflated and fully inflated diameters in millimeters.

**Key Features**

- Rubber membrane reinforced
- Abrasive resistant rubber
- Extensible Steel fabric
- NPT pipe

**Applications**

- Pressure grouting in fractured or unconsolidated formations
- Water infusion for dust control in coal mines
- Methane gas control and collection in mines
- Sealing elements in soil or rock boreholes
- Water sampling testing in rock formations
- Hydraulic fracturing of formations
- Quality control testing of tubes
- Permeability testing

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### Specifications

#### TYPES AND DIMENSIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Max OD (deflated)</th>
<th>Center tube ID</th>
<th>Center tube connection</th>
<th>Standard lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP/30-53</td>
<td>30 mm</td>
<td>10 mm</td>
<td>3/8&quot;</td>
<td>500 mm 1000 mm</td>
</tr>
<tr>
<td>MP/42-79</td>
<td>42 mm</td>
<td>17 mm</td>
<td>½&quot;</td>
<td>500 mm 1000 mm</td>
</tr>
<tr>
<td>MP/42-100</td>
<td>42 mm</td>
<td>17 mm</td>
<td>½&quot;</td>
<td>500 mm 1000 mm</td>
</tr>
<tr>
<td>LP/54-120</td>
<td>54 mm</td>
<td>26 mm</td>
<td>1&quot;</td>
<td>500 mm 1000 mm</td>
</tr>
<tr>
<td>LP/72-160</td>
<td>72 mm</td>
<td>40 mm</td>
<td>1 ¼&quot;</td>
<td>500 mm 1000 mm</td>
</tr>
<tr>
<td>LP/85-187</td>
<td>85 mm</td>
<td>40 mm</td>
<td>1 ½&quot;</td>
<td>500 mm 1000 mm</td>
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<tr>
<td>LP/102-190</td>
<td>102 mm</td>
<td>53 mm</td>
<td>2&quot;</td>
<td>500 mm 1000 mm</td>
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<tr>
<td>LP/130-320</td>
<td>130 mm</td>
<td>81 mm</td>
<td>3&quot;</td>
<td>— 1000 mm</td>
</tr>
<tr>
<td>LP/170-350</td>
<td>170 mm</td>
<td>81 mm</td>
<td>3&quot;</td>
<td>— 1000 mm</td>
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</tbody>
</table>
Please specify:
• Model
• Gland length
• Single or straddle configuration
• Straddle zone length

WORKING PRESSURE (CONFINED), IN 100 KPa (BAR), VERSUS BOREHOLE DIAMETER, IN MILLIMETERS