## Product Details

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
<th>To fit Permeate Tube ID (inches)</th>
<th>Dimensions (mm/inches)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>38-L-0830-IC-PS</td>
<td>3.8” Polysulfone ATD Interconnector</td>
<td>0.830&quot;</td>
<td>96/3.78</td>
<td>13/0.51</td>
<td>18/0.71</td>
<td>11/0.43</td>
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<td>38-L-0830-IC-ST06</td>
<td>3.8” Stainless Steel ATD Interconnector</td>
<td>0.830&quot;</td>
<td>96/3.78</td>
<td>6/0.24</td>
<td>15/0.63</td>
<td>10/0.41</td>
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<tr>
<td>S-L-BEP</td>
<td>3.8” Polysulfone Blank End Plug</td>
<td>0.830&quot;</td>
<td>27/1.06</td>
<td>53/2.08</td>
<td>15/0.63</td>
<td>n/a</td>
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<tr>
<td>S-L-BEP-ST</td>
<td>3.8” Stainless Steel Blank End Plug</td>
<td>0.830&quot;</td>
<td>27/1.06</td>
<td>53/2.08</td>
<td>15/0.63</td>
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<tr>
<td>63-L-1138-IC-PS</td>
<td>6.3” Polysulfone ATD Interconnector</td>
<td>1.138&quot;</td>
<td>160/6.29</td>
<td>24/0.94</td>
<td>16/0.63</td>
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<td>63-L-1138-IC-ST08</td>
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<td>160/6.29</td>
<td>8/0.31</td>
<td>15/0.59</td>
<td>19/0.75</td>
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<tr>
<td>L-L-BEP</td>
<td>6.3” Polysulfone Blank End Plug</td>
<td>1.138&quot;</td>
<td>38/1.49</td>
<td>53/2.08</td>
<td>15/0.63</td>
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<tr>
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<td>6.3” Stainless Steel Blank End Plug</td>
<td>1.138&quot;</td>
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<td>80-L-1125-IC-PS</td>
<td>8.0” Polysulfone ATD Interconnector</td>
<td>1.125”</td>
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<td>80-L-1125-IC-ST08</td>
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<td>8.0” Polysulfone Blank End Plug</td>
<td>1.125”</td>
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<td>53/2.08</td>
<td>15/0.59</td>
<td>n/a</td>
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<td>L-L-BEP-ST</td>
<td>8.0” Stainless Steel Blank End Plug</td>
<td>1.125”</td>
<td>38/1.49</td>
<td>53/2.08</td>
<td>15/0.59</td>
<td>n/a</td>
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<td>S-L-VITON</td>
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<tr>
<td>S-L-EPDM</td>
<td>Small Black EPDM Seal</td>
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<td>L-L-VITON</td>
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<td>L-L-EPDM</td>
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</tr>
</tbody>
</table>

## Contact Smart Membrane Solutions:

- **Phone:** +64-3-741 1808
- **Email:** info@smartmembranesolutions.co.nz
- **Website:** www.smartmembranesolutions.co.nz
- **Address:** P.O. Box 148 Rolleston 7643, New Zealand

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### Spiral Wound Membrane Filtration Unit

**BLANK END PLUG**

**VITON LIP SEAL**

**ANTI-TELESCOPIC-DEVICE (ATD)**

**ST ATD Stainless Steel Outlet End ATD**

**BLANK END PLUG**

### Spiral Wound Membrane Filtration Accessories

**Anti-Telescopic-Devices (ATD)** and Removal Tools

**Permeate Hoses**

**Removal Tools**

**Lip Seals**

**Blank End Plugs (BEP)**
Blank End Plugs (BEP)
- Designed to ensure maximum flow to the membrane and lip seal surfaces.
- Available in Polysulfone or 316 Stainless Steel.
- Small BEP to suit Permeate Tube Internal Diameter 0.830".
- Large BEP to suit Permeate Tube Internal Diameter 1.125" and 1.138".

Anti-Telescopic-Devices (ATD)
- Designed to ensure full load support to membrane while maintaining maximum flow to the membrane and lip seal surfaces.
- Available in Polysulfone or 316 Stainless Steel.
- Three sizes to suit 3.8", 6.3" or 8.0" membranes.
- Seal profiles to suit permeate tube internal diameters: 0.830", 1.125" and 1.138".
- Stainless Steel ATDs can be custom made to suit any membrane outside diameter or any thickness.

Permeate Hoses
- Hygienic sample point, enabling the safe identification of vessels where losses are apparent.
- Flexible so the plant can be re-assembled with ease after maintenance or plant inspection.
- Available in two lengths, 300mm and 450mm. Custom lengths can be made to order.
- Available in two connection sizes, 1.5" or 2.0" Tri-Clover Ferrule.
- 25mm (1") internal diameter hose.
- Max bend radius 130mm, max work pressure 6 bar, max temperature 60 °C.

Membrane, ATD and BEP Removal Tools
- Removal of Membrane from housing include: Housing End Cap Tool, Membrane Push Rod Tool and the Pig Membrane Removal Tool.
- Removal of ATD’s and Blank End plugs from the Membranes include: 6.3" and 8.0" ATD Removal Tool and the Blank End Plug Removal tool.
- Use of Removal Tools eliminates the risk of damage to your plant, membranes and ATD’s.
- Makes the removal of parts much safer than using screw drivers.
- ATD Removal Tool suitable for 6.3" and 8.0" Polysulfone and Stainless Steel ATDs.
- All tools are stored in a tough waterproof case, so the tools can be kept in wet areas for easy availability when they are required. The case has wheels for safe transport around the factory.
- All tools are easy to use.

Lip Seals
- ORANGE VITON – recommended for chlorinated systems, specifically UF and MF applications.
- BLACK EPDM – recommended for non-chlorinated systems, specifically RO and NF applications.
- Small Seal to suit permeate tube internal diameter 0.830".
- Large Seals to suit permeate tube internal diameters 1.125" and 1.138".

More than 10 years application experience and independently tested to international standards verify products are suitable for food contact.