4" End Port Pressure Vessel

**600 psi (41.4 bar)**

**Working Pressure:** 600 psi  
**Assembly Drawing:** 1MNC 1619

**Working Temperature:** -7 to 45ºC  
**Does not conform to ASME X**

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**Body of vessel is manufactured completely from glass reinforced epoxy resins.**

Pressure vessels can be produced to cover all leading manufacturers membranes regardless of length.

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Feed and concentrate connections: 3/4" BSPT (Female)  
Product connections: 1/2" BSPT (Female)

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<table>
<thead>
<tr>
<th>No of 40&quot; Elements</th>
<th>Overall Length +/-7mm</th>
<th>Max support position</th>
<th>Min support position</th>
<th>Max Dry Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1a</td>
<td>1295</td>
<td>800</td>
<td>200</td>
<td>12 kg</td>
</tr>
<tr>
<td>1b</td>
<td>1346</td>
<td>800</td>
<td>200</td>
<td>12 kg</td>
</tr>
<tr>
<td>2</td>
<td>2413</td>
<td>1810</td>
<td>620</td>
<td>18 kg</td>
</tr>
<tr>
<td>3</td>
<td>3429</td>
<td>2450</td>
<td>1310</td>
<td>24 kg</td>
</tr>
<tr>
<td>4</td>
<td>4445</td>
<td>2820</td>
<td>2280</td>
<td>30 kg</td>
</tr>
<tr>
<td>5</td>
<td>5461</td>
<td>4650</td>
<td>c</td>
<td>35 kg</td>
</tr>
<tr>
<td>6</td>
<td>6477</td>
<td>5010</td>
<td>c</td>
<td>41 kg</td>
</tr>
<tr>
<td>7</td>
<td>7747</td>
<td>5340</td>
<td>c</td>
<td>47 kg</td>
</tr>
</tbody>
</table>

*All dimensions in mm  
All dimensions and weights are nominal unless stated otherwise.*

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Please advise membrane type and length when requesting further details.  
Please adhere to recommended support positions, if in doubt contact Phoenix Vessels.

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This data sheet supersedes all previous issues  Product Code: 4E600N  09/04
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**4" End Port Pressure Vessel**

**600 psi (41.4 bar)**

Tighten all bolts/nuts to 50% of the maximum torque figure. **DO NOT EXCEED THE MAXIMUM TORQUE.**

For lubricants and general assembly refer to the User Guide.

### Item Description | Material | Part No | No. off
---|---|---|---
1 | Vessel Body | Glass Fibre Epoxy Resin | PVL 40-10-1437 | 1
2 | | | |
3 | | | |
4 | Backing Plate | Thermoplastic | PVL 40-10-1667 | 2
5 | Retaining Ring | Stainless Steel 316 | PVL 40-10-1104 | 2
6 | | | |
7 | | | |
8 | | | |
9 | Hub | Thermoplastic | To suit membrane | 2
10 | Adaptor (2-7 element only) | Thermoplastic | To suit membrane | 2
11 | ‘O’ Seal (Endplate) | EPDM | BS342 | 2
12 | | | |
13 | ‘O’ Seal (Endplate/Hub) | EPDM | BS121 | 4
14 | ‘O’ Seal (Hub/Membrane) | EPDM | To suit membrane | 2/4
15 | ‘O’ Seal (Adaptor) | EPDM | To suit membrane | 2/4
16 | | | |
17 | Cap Head Screw | Stainless Steel A4 Grade | PVL 40-10-1077 | 4
18 | Strap | Stainless Steel/Neoprene | PVL 40-10-1534 | 2/3
19 | Saddle | Urethane | PVL 40-10-1115 | 2/3
20 | Shim Set | Thermoplastic | PVL 40-10-1728 | 6
21 | Nameplate | Aluminium or Vinyl | | 1