Working Pressure: 400 psi  
Working Temperature: -7° to 45° C  
Assembly Drawing: 1MNC 1615  
Design Code: ASME X

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

<table>
<thead>
<tr>
<th>Order Reference</th>
<th>No of 40” Elements</th>
<th>Port to Port Length +/-4mm</th>
<th>2 Supports Max/Min</th>
<th>3 Supports Max/Min</th>
<th>Max Dry Weight</th>
</tr>
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<tbody>
<tr>
<td>8E400X.1</td>
<td>1</td>
<td>1600</td>
<td>875</td>
<td>500</td>
<td>31 kg</td>
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<tr>
<td>8E400X.1.5</td>
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<td>2108</td>
<td>1400</td>
<td>500</td>
<td>36 kg</td>
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<tr>
<td>8E400X.2</td>
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<td>2616</td>
<td>1890</td>
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<tr>
<td>8E400X.3</td>
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<td>3632</td>
<td>2910</td>
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<tr>
<td>8E400X.4</td>
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<td>4648</td>
<td>3190c</td>
<td>1970c</td>
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<tr>
<td>8E400X.4.5</td>
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<td>5156</td>
<td>3375c</td>
<td>2480c</td>
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<tr>
<td>8E400X.5</td>
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<td>5664</td>
<td>3560c</td>
<td>2990c</td>
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<tr>
<td>8E400X.6</td>
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<td>6680</td>
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<td>4020c</td>
<td>86 kg</td>
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<tr>
<td>8E400X.7</td>
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<td>7696</td>
<td>6170c</td>
<td>5090c</td>
<td>98 kg</td>
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<tr>
<td>8E400X.7.5</td>
<td>7.5</td>
<td>8204</td>
<td>6220c</td>
<td>5330c</td>
<td>103 kg</td>
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</tbody>
</table>

Feed and concentrate connections: 1.5” Victaulic.  
Concentrate connections: 1.5” BSP Parallel (male) or 1.0” BSP (Female)

All dimensions and weights are nominal unless stated otherwise.
Technical Information Sheet

8" End Port Pressure Vessel  400 psi (27.6 bar)

Item | Description | Material | Part No. | No.off
--- | --- | --- | --- | ---
1 | Vessel Body | Glass Fibre Epoxy Resin | BDY 1221 | 29
2 | Feed/Concentrate Port | St. Steel - 316 | CMP 1183 | 2
3 | Product Port | Thermoplastic | CMP 3366.A | 2
4 | End Plate | Thermoplastic | CMP 1397.A | 2
5 | Backing Plate | Anodised Aluminium | CMP 1636 | 2
6 | Retaining Ring Segment | St. Steel 316 | CMP 1469 | 2 set of 3
7 | Retaining Ring (Port) | St. Steel 316 | CMP 1176 | 2
8 | Adaptor | Thermoplastic | To suit membrane | 2
9 | Anti-rotation Collet | Thermoplastic | CMP 1894 | 2
10 | Thrust Ring | Thermoplastic | CMP 1228 | 1
11 | 1.5" BSP Backnut | St. Steel | CMP 1979 | 2
12 | Cap Head Screw | St. Steel Grade A2 | CMP 1520 | 6
13 | "O" Seal Endplate | EPDM (Included in item 4) | BS882 | 2
14 | "O" Seal Feed Port | EPDM (Included in item 4) | BS225 | 2
15 | "O" Seal Adaptor | EPDM (Included in item 9) | BS832 | 2
16 | "O" Seal Prod/Adaptor | EPDM (Included in item 3) | BS219 | 2
17 | "O" Seal Adaptor | EPDM | To suit membrane | 4
18 | Strap | St. Steel/PVC | CMP 3426.A | 2/3
19 | Saddle | Urethane | CMP 3919 | 2/3
20 | Adaptor Spacer Shims | ABS (Included in item 9) | CMP 1674 | 8

The company reserves the right to alter specifications without prior notice. This data sheet supersedes all previous issues. Product Code: 8E400X ISSUE:G

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