**8" End Port Pressure Vessel** 1200 psi (82.8 bar)

**Working Pressure:** 1200 psi

**Working Temperature:** -7º to 45ºC

**Assembly Drawing:** 1MNC 1616

**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.

Feed and concentrate connections: 1.5" Victualic. 
Product connections: 1.0" BSP Parallel (Male) or 1.0" NPT (Female)

<table>
<thead>
<tr>
<th>Order Reference</th>
<th>No of 40&quot; Elements</th>
<th>Port to Port Length +/-7mm</th>
<th>Max Support Position</th>
<th>Min Support Position</th>
<th>Max Dry Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>8E1200X.1</td>
<td>1</td>
<td>1702</td>
<td>875</td>
<td>500</td>
<td>61 kg</td>
</tr>
<tr>
<td>8E1200X.1.5</td>
<td>1.5</td>
<td>2210</td>
<td>1400</td>
<td>500</td>
<td>73 kg</td>
</tr>
<tr>
<td>8E1200X.2</td>
<td>2</td>
<td>2718</td>
<td>1890</td>
<td>500</td>
<td>85 kg</td>
</tr>
<tr>
<td>8E1200X.3</td>
<td>3</td>
<td>3734</td>
<td>2910</td>
<td>960</td>
<td>108 kg</td>
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<tr>
<td>8E1200X.4</td>
<td>4</td>
<td>4750</td>
<td>3190</td>
<td>1970</td>
<td>131 kg</td>
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<tr>
<td>8E1200X.4.5</td>
<td>4.5</td>
<td>5258</td>
<td>3375</td>
<td>2480</td>
<td>143 kg</td>
</tr>
<tr>
<td>8E1200X.5</td>
<td>5</td>
<td>5766</td>
<td>3560</td>
<td>2990</td>
<td>155 kg</td>
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<tr>
<td>8E1200X.6</td>
<td>6</td>
<td>6782</td>
<td>4020</td>
<td>4020</td>
<td>177 kg</td>
</tr>
<tr>
<td>8E1200X.7</td>
<td>7</td>
<td>7798</td>
<td>6170 c</td>
<td>5090 c</td>
<td>201 kg</td>
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<tr>
<td>8E1200X.7.5</td>
<td>7.5</td>
<td>8306</td>
<td>6220 c</td>
<td>5330 c</td>
<td>213 kg</td>
</tr>
</tbody>
</table>

All dimensions in mm.  
c = Central support required. 
All dimensions and weights are nominal unless stated otherwise.  
This data sheet supersedes all previous issues. 
Product Code: 8E1200X  09/06
8" End Port Pressure Vessel 1200 psi (82.8 bar)

**Item** | **Description** | **Material** | **Part No.** | **No. off**
--- | --- | --- | --- | ---
1 | Vessel Body | Glass Fibre Epoxy Resin | BDY 1649 | 1
2 | Feed/Concentrate Port | Duplex St. Steel - 2507 | CMP 1650 | 2
3 | Product Port | Thermoplastic | CMP 1946 | 2
4 | End Plate | Thermoplastic | CMP 1952 | 2
5 | Backing Plate | Anodised Aluminium | CMP 1818 | 2
6 | Retaining Ring Segment | St. Steel 316 | CMP 1470 | 6
7 | Support Washer | St. Steel 316 | CMP 1888 | 2
8 | Retaining Ring (Port) | St. Steel 316 | CMP 1178 | 2
9 | Adaptor | Thermoplastic | To suit membrane | 2
10 | Anti-rotation Collet | Thermoplastic | CMP 1892 | 2
11 | Thrust Ring | Thermoplastic | CMP 1228 | 1
12 | 1" BSP Backnut | Thermoplastic | CMP 1179 | 2
13 | Cap Head Screw | St. Steel Grade A4 | CMP 1520 | 6
14 | 'O' Seal Endplate | EPDM | BS882 | 2
15 | 'O' Seal Feed Port | EPDM | BS223 | 2
16 | 'O' Seal Prod/Endplate | EPDM | BS220 | 2
17 | 'O' Seal Prod/Adaptor | EPDM | BS219 | 2
18 | 'O' Seal Adaptor | EPDM | To suit membrane | 2/4
19 | Strap | St. Steel/Neoprene | CMP 1211 | 2/3
20 | Saddle | Urethane | CMP 1075 | 2/3
21 | Nameplate | Aluminium or Vinyl | Not Available | 1

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 on our website.

The company reserves the right to alter specifications without prior notice.

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