8” Side Port Pressure Vessel 1000 psi (69.0 bar)

Technical Information Sheet

Working Pressure: 1000 psi
Working Temperature: -7° to 45° C
Assembly Drawing: 1MNC 3639
Design Code: PED

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” Victaulic.
Product connections: 1.0” BSP (Female).

<table>
<thead>
<tr>
<th>Order Reference</th>
<th>No of 40” Elements</th>
<th>Port to Port Length +/-4mm</th>
<th>Max Support Position</th>
<th>Min Supports Position</th>
<th>Max Dry Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>8S1000N.1</td>
<td>1</td>
<td>1143</td>
<td>740</td>
<td>500</td>
<td>56 kg</td>
</tr>
<tr>
<td>8S1000N.1.5</td>
<td>1.5</td>
<td>1651</td>
<td>1250</td>
<td>500</td>
<td>63 kg</td>
</tr>
<tr>
<td>8S1000N.2</td>
<td>2</td>
<td>2159</td>
<td>1750</td>
<td>500</td>
<td>70 kg</td>
</tr>
<tr>
<td>8S1000N.3</td>
<td>3</td>
<td>3175</td>
<td>2775c</td>
<td>960c</td>
<td>85 kg</td>
</tr>
<tr>
<td>8S1000N.4</td>
<td>4</td>
<td>4191</td>
<td>3190c</td>
<td>1970c</td>
<td>100 kg</td>
</tr>
<tr>
<td>8S1000N.4.5</td>
<td>4.5</td>
<td>4699</td>
<td>3375c</td>
<td>2480c</td>
<td>107 kg</td>
</tr>
<tr>
<td>8S1000N.5</td>
<td>5</td>
<td>5207</td>
<td>3560c</td>
<td>2990c</td>
<td>114 kg</td>
</tr>
<tr>
<td>8S1000N.6</td>
<td>6</td>
<td>6223</td>
<td>4020c</td>
<td>4020c</td>
<td>129 kg</td>
</tr>
<tr>
<td>8S1000N.7</td>
<td>7</td>
<td>7239</td>
<td>6170c</td>
<td>5090c</td>
<td>144 kg</td>
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<tr>
<td>8S1000N.7.5</td>
<td>7.5</td>
<td>7747</td>
<td>6220c</td>
<td>5330c</td>
<td>151 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: 8S1000N ISSUE:C
**Technical Information Sheet**

### 8” Side Port Pressure Vessel

#### 1000 psi (69.0 bar)

**ORDER REFERENCE**

See Box Below

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**Item** | **Description** | **Material** | **Part No.** | **No.of**
--- | --- | --- | --- | ---
1 | Vessel Body | Glass Fibre Epoxy Resin | BDY 3988 | 1
2 | Feed/Concentrate Port | St. Steel 316L | CMP 3926.A | 2/3/4
3 | Hub | Thermoplastic | CMP 3366.A | 2
4 | End Cap | Thermoplastic | CMP 1954.A | 2
5 | Backing Plate | Anodised Aluminium | CMP 1948 | 2
6 | Retaining Ring Segment | St. Steel 316 | CMP 1469 | 2 sets of 3
7 | Spiroloc Circlip | St. Steel 316 | CMP 1950 | 2/3/4
9 | Adaptor | Thermoplastic | To suit membrane | 2
10 | Anti-rotation Collet | Thermoplastic | CMP 1894 | 2
11 | Thrust Ring | Thermoplastic | CMP 3069.A | 1
12 | 1.5” BSP Backnut | St. Steel | CMP 1979 | 2
13 | Cap Head Screw | St. Steel Grade A2 | CMP 1520 | 6
14 | ‘O’ Seal Endplate | EPDM (Included in item 4) | BS882 | 2
15 | ‘O’ Seal Feed Port | EPDM (Included in item 2) | BS227 | 2/3/4
16 | ‘O’ Seal Hub/Endcap | EPDM (Included in item 4) | BS832 | 2
17 | ‘O’ Seal Prod/Adaptor | EPDM (Included in item 3) | BS219 | 2
18 | ‘O’ Seal Adaptor | EPDM (Included in item 9) | To suit membrane | 4
19 | Strap | St.Steel/PVC | CMP 3426.A | 2/3
20 | Saddle | Polypropylene | CMP 3920 | 2/3
21 | Adaptor Spacer Shims | ABS (included in item 9) | CMP 1674 | 8

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

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Lenntech ISO 9001:2015 Certified