**Working Pressure:** 600 psi  
**Working Temperature:** 0° to 45° C  
**Assembly Drawing:** 1MNC 3615  
**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” or 2.0” 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>8S600N.1</td>
<td>1</td>
<td>1143</td>
<td>740</td>
<td>500</td>
<td>49 kg</td>
</tr>
<tr>
<td>8S600N.1.5</td>
<td>1.5</td>
<td>1651</td>
<td>1250</td>
<td>500</td>
<td>54 kg</td>
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<tr>
<td>8S600N.2</td>
<td>2</td>
<td>2159</td>
<td>1750</td>
<td>500</td>
<td>59 kg</td>
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<tr>
<td>8S600N.3</td>
<td>3</td>
<td>3175</td>
<td>2775c</td>
<td>960c</td>
<td>70 kg</td>
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<tr>
<td>8S600N.4</td>
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<td>4191</td>
<td>3190c</td>
<td>1970c</td>
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<tr>
<td>8S600N.4.5</td>
<td>4.5</td>
<td>4699</td>
<td>3375c</td>
<td>2480c</td>
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<tr>
<td>8S600N.5</td>
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<td>5207</td>
<td>3560c</td>
<td>2990c</td>
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<tr>
<td>8S600N.6</td>
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<td>6223</td>
<td>4020c</td>
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<td>104 kg</td>
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<tr>
<td>8S600N.7</td>
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<td>7239</td>
<td>6170c</td>
<td>5090c</td>
<td>115 kg</td>
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<td>8S600N.7.5</td>
<td>7.5</td>
<td>7747</td>
<td>6220c</td>
<td>5330c</td>
<td>121 kg</td>
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</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: 8S600N ISSUE:A
**8” Side Port Pressure Vessel**  
600 psi (41.4 bar)

**Item** | **Description** | **Material** | **Part No.** | **No.off**
---|---|---|---|---
1 | Vessel Body | Glass Fibre Epoxy Resin | BDY 3148 | 1
2 | Feed/Concentrate Port | St. Steel 316L | CMP 3298.A - 1.5"  
CMP 3291.A - 2.0" | 2/3/4
3 | Hub | Thermoplastic | CMP 1550.A | 2
4 | End Cap | Thermoplastic | CMP 3880.A | 2
5 | Retaining Ring Segment | Composite | CMP 3914.A | 2 sets of 3
6 | Spiroloc Circlip | St. Steel 302 (included in item 2)  
CMP 1950 - 1.5"  
CMP 2029 - 2.0" | 2/3/4
7 | Adaptor | Thermoplastic | To suit membrane | 2
8 | Thrust Ring | Thermoplastic | CMP 3069.A | 1
9 | Cap Head Screw | St. Steel Grade A2 | CMP 1520 | 2
10 | ‘O’ Seal Endplate | EPDM (Included in item 4) | BS882 | 2
11 | ‘O’ Seal Feed Port | EPDM (Included in item 2)  
BS227 - 1.5"  
BS232 - 2.0" | 2/3/4
12 | ‘O’ Seal Hub/Endcap | EPDM (Included in item 3) | BS225 | 4
13 | ‘O’ Seal Prod/Adaptor | EPDM (Included in item 3) | BS219 | 2
14 | ‘O’ Seal Adaptor | EPDM (Included in item 6) | To suit membrane | 4
15 | Strap | St.Steel/PVC | CMP 3426.A | 2/3
16 | Saddle | Polypropylene | CMP 3920 | 2/3
17 | Adaptor Spacer Shims | ABS (included in item 7) | CMP 1674 | 8

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The company reserves the right to alter specifications without prior notice.  
This data sheet supersedes all previous issues.  
Product Code: 8S600N ISSUE:A

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**SIDE PORT OPTIONS**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>STYLE</th>
<th>SIDE PORT OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5&quot;</td>
<td></td>
<td>1) 2 Same side - 0°, 0°</td>
</tr>
<tr>
<td>2.0&quot;</td>
<td></td>
<td>2) 2 Opposing - 0°, 180°</td>
</tr>
<tr>
<td></td>
<td>3)</td>
<td>3 port - 0°, 180°</td>
</tr>
<tr>
<td></td>
<td>4)</td>
<td>4 port - 0°, 180°</td>
</tr>
</tbody>
</table>

**8Nm TORQUE MAX**

**IPS PIPE GROOVED TO TAKE VICTAULIC JOINT 600 PSI RATING.**