LOK Packaged Plate Heat Exchangers

Key features Include:
- High Efficiency
- 316 Stainless Steel vessel
- WRAS Approved

<table>
<thead>
<tr>
<th><strong>Output</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat Transfer Duty</td>
<td>kW</td>
</tr>
<tr>
<td>Thermal efficiency</td>
<td>%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Primary Side</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet Temperature</td>
<td>°C</td>
</tr>
<tr>
<td>Outlet Temperature</td>
<td>°C</td>
</tr>
<tr>
<td>Fluid Flow Rate</td>
<td>litre/second</td>
</tr>
<tr>
<td>Fluid type</td>
<td></td>
</tr>
<tr>
<td>Connection size and type</td>
<td>Inch BSPT Female</td>
</tr>
<tr>
<td>Max Working Temperature</td>
<td>°C</td>
</tr>
<tr>
<td>Maximum Working Pressure</td>
<td>bar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Secondary Side</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet Temperature</td>
<td>°C</td>
</tr>
<tr>
<td>Outlet Temperature</td>
<td>°C</td>
</tr>
<tr>
<td>Fluid Flow Rate</td>
<td>litres/second</td>
</tr>
<tr>
<td>Fluid type</td>
<td></td>
</tr>
<tr>
<td>Pressure drop</td>
<td>bar</td>
</tr>
<tr>
<td>Connection size and type</td>
<td>Inch BSPT Male</td>
</tr>
<tr>
<td>Max Working Temperature</td>
<td>°C</td>
</tr>
<tr>
<td>Maximum Working Pressure</td>
<td>bar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Performance</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Recovery Rate @ 55°C ΔT</td>
<td>litres/hour</td>
</tr>
<tr>
<td>Recovery Rate @ 55°C ΔT</td>
<td>litres/second</td>
</tr>
<tr>
<td>Recovery Rate @ 50°C ΔT</td>
<td>litres/hour</td>
</tr>
<tr>
<td>Recovery Rate @ 50°C ΔT</td>
<td>litres/second</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dimensions</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>mm</td>
</tr>
<tr>
<td>Width</td>
<td>mm</td>
</tr>
<tr>
<td>Depth</td>
<td>mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Construction Details</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number Of Plates</td>
<td></td>
</tr>
<tr>
<td>Plate Material</td>
<td></td>
</tr>
<tr>
<td>Gasket Material</td>
<td></td>
</tr>
<tr>
<td>Empty weight single head primary pump</td>
<td>kg</td>
</tr>
<tr>
<td>Empty weight twin head primary pump</td>
<td>kg</td>
</tr>
<tr>
<td>WRAS Approval Number</td>
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</table>

<table>
<thead>
<tr>
<th><strong>Model</strong></th>
<th>LOK8-350</th>
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</thead>
<tbody>
<tr>
<td><strong>Output</strong></td>
<td></td>
</tr>
<tr>
<td>Heat Transfer Duty</td>
<td>350 kW</td>
</tr>
<tr>
<td>Thermal efficiency</td>
<td>99.5 %</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Primary Side</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet Temperature</td>
<td>82 °C</td>
</tr>
<tr>
<td>Varies Depending On Demand (43.3 At Full Demand)</td>
<td>2.2</td>
</tr>
<tr>
<td>Maximum Working Temperature</td>
<td>99 °C</td>
</tr>
<tr>
<td>Maximum Working Pressure</td>
<td>6 bar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Secondary Side</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Varies Depending On Demand (10 At Full Demand)</td>
<td>65 °C</td>
</tr>
<tr>
<td>Fluid Flow Rate</td>
<td>1.53 litres/second</td>
</tr>
<tr>
<td>Fluid type</td>
<td>water</td>
</tr>
<tr>
<td>Pressure drop</td>
<td>0.2 bar</td>
</tr>
<tr>
<td>Connection size and type</td>
<td>1 1/4 Inch BSPT Male</td>
</tr>
<tr>
<td>Max Working Temperature</td>
<td>85 °C</td>
</tr>
<tr>
<td>Maximum Working Pressure</td>
<td>6 bar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Performance</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Recovery Rate @ 55°C ΔT</td>
<td>5508 litres/hour</td>
</tr>
<tr>
<td>Recovery Rate @ 55°C ΔT</td>
<td>1.53 litres/second</td>
</tr>
<tr>
<td>Recovery Rate @ 50°C ΔT</td>
<td>6048 litres/hour</td>
</tr>
<tr>
<td>Recovery Rate @ 50°C ΔT</td>
<td>1.68 litres/second</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dimensions</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>1445 mm</td>
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<tr>
<td>Width</td>
<td>643 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>1023 mm</td>
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</table>

**LOK packaged plate heat exchangers** must be installed and maintained in line with the Installation Commissioning and Maintenance Instructions which are available on the Literature & Downloads section of [www.lochinvar.ltd.uk](http://www.lochinvar.ltd.uk)