Vertical Split Coupled Inline Pump
PACO VLS

The PACO VLS vertical split coupled, inline pump has proven to be extremely versatile, often exceeding the requirements for a variety of market applications, such as chilled water, condenser water, and hot water systems. Once fitted with a speed-control system, the VLS significantly cuts energy use and provides a pump payback in as little as one to two years.

Key Features and Benefits
- Vertical configuration saves floor space and reduces piping
- Axially split coupling enhances ease of service and alignment
- Spacer coupling allows rapid mechanical seal access without motor removal for service friendly design
- Double volute design extends seal and bearing life, minimizes noise and vibration, and improves operating efficiency
- No inertia base required
- Vertical shaft configuration promotes longer seal and bearing life
- No coupling alignment or bearing frame assembly needed
- Equal size suction and discharge pipes eliminate need for reducers or other fittings
- Heavy duty cast and machined motor bracket creates rigid and reliable mounting surface with easy alignment
- Case wear rings reduce maintenance costs and maintain high efficiency
- Shaft sleeves extend life of shaft and usable life of pump
- Suction baffle creates a smooth, quiet pump operation
- No flexible connectors or foundation grouting needed
- Mounts like a valve for quick installation
- Francis Vane impeller design increases efficiency and reduces net positive suction head required
- Broad range of industry-standard TC motors are stocked by motor manufacturers

APPLICATIONS
- Chilled water
- Condensed water
- Hot water
- Service water
- District cooling/heating systems
- Boiler/hydronic heating
- Air conditioning
- Cooling towers
VLS Technical Data

VLS with TC motor Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow, Q</td>
<td>max. 4100 gpm</td>
</tr>
<tr>
<td>Head, H</td>
<td>max. 420 ft</td>
</tr>
<tr>
<td>Fluid temp.</td>
<td>10° to 275° F</td>
</tr>
<tr>
<td>Working pressure</td>
<td>max. 175 psi*</td>
</tr>
<tr>
<td>HP range</td>
<td>max. 125 Hp</td>
</tr>
<tr>
<td>Speed</td>
<td>3600, 1800, and 1200 RPM</td>
</tr>
<tr>
<td>Discharge/Suction sizes</td>
<td>1.25 to 10 in.</td>
</tr>
</tbody>
</table>

* 250 psi rating available