Wastech High Capacity Pump Lift Stations (HCPLS) are designed for transferring water, chemicals and wastewater when a gravity drain is not possible. All HCPLS systems use thermoplastic vertical centrifugal pumps for corrosion resistance. Custom configurations and tank geometries are available, call or e-mail Sales.

Specifications
- Simplex (one pump), duplex (two pumps), or triplex (three pumps) configuration
- Multipoint level switch assembly with digital level display
- Separate lockable motor disconnects that allow maintenance work to be performed on one pump while the other is still in service
- All pump lift stations include a high-high level switch to activate a high level alarm
- Integrated or remote control panel
- Indoor or outdoor installation

Standard Features
- Custom fabricated polypropylene tank and skid with fork-lift slots
- Vertical centrifugal pumps with all non-metallic wetted parts available in PVC, CPVC, PP, or PVDF
- Thermoplastic closed and dynamically balanced pump impellers
- Vanite® outer vs. ceramic inner wet shaft bearings with product flush bearing lubrication
- Pump suction basket strainer with 1/4" holes
- Check valve for each pump with Viton seals to prevent liquid from flowing back into the tank
- NEMA 4X junction box to terminate instrumentation
- View window for maintenance access

Optional Features
- Fabricated polypropylene double containment tank with float leak switch
- Discharge manifold with isolation ball valves
- Seismic tie downs
- Valve enclosure with latched clear PVC doors
- PLC-Based control system
- Redundant high level switch
- Discharge pressure gauges with isolation valves
- Vortex impellers for handling sludge and slurries
- Stainless steel tanks and pumps
## ORDERING INFORMATION

<table>
<thead>
<tr>
<th>HCPLS</th>
<th>High Capacity Pump Lift Station</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tank Volume</strong> <em>(Specify Between 120-200% of Flow Rate)</em></td>
<td>-XXXX Gallons*</td>
</tr>
<tr>
<td><strong>Pump RPM (Choose One)</strong></td>
<td>-18 1800 RPM, -36 3600 RPM</td>
</tr>
<tr>
<td><strong>Pump Curve Number (Choose One)</strong></td>
<td>-PX P1 Through P8 (Refer to Page 3)</td>
</tr>
<tr>
<td><strong>Pump Configuration (Choose One)</strong></td>
<td>-1 Simplex (One Pump), -2 Duplex (Two Pumps, Alternating Lead-Lag), -3 Triplex (Three Pumps, Alternating Lead-Lag1-Lag2)</td>
</tr>
<tr>
<td><strong>Control Options (Choose One)</strong></td>
<td>-RB Relay-Based Control Panel (no PLC or HMI), -IM IDEC PLC with 7&quot; Maple HMI, -AM Allen-Bradley MicroLogix PLC with 7&quot; Maple HMI, -AB Allen-Bradley MicroLogix PLC with 10&quot; PanelView Plus HMI, -AX Allen-Bradley CompactLogix PLC with 10&quot; PanelView Plus HMI</td>
</tr>
<tr>
<td><strong>Power Requirements (Choose One)</strong></td>
<td>-3A 208 VAC / 3 / 60 Hz, -3B 230 VAC / 3 / 60 Hz, -4 460 VAC / 3 / 60 Hz</td>
</tr>
<tr>
<td><strong>Enclosure Rating (Choose One)</strong></td>
<td>-N4 NEMA4 – Powder Coated Carbon Steel, -N4XS NEMA4X – 304 Stainless Steel</td>
</tr>
<tr>
<td><strong>Panel Configuration (Choose One)</strong></td>
<td>-IC Integrated Control Panel, -RC Remote Control Panel</td>
</tr>
<tr>
<td><strong>Level Control (Choose One)</strong></td>
<td>-DL Discrete (Point Level Switches without Display), -CL Continuous (Level Transmitter with Display)</td>
</tr>
<tr>
<td><strong>Discharge Piping Material (Choose One)</strong></td>
<td>-PV PVC SCH 80 Discharge Piping, -CV CPVC SCH 80 Discharge Piping, -PP Polypropylene Discharge Piping (Specify Socket or Butt Fusion)</td>
</tr>
<tr>
<td><strong>Inlet Connection (Choose One)</strong></td>
<td>-TC Top Connection, -SC-XX&quot; Side Connection – Specify Height From Bottom To Centerline</td>
</tr>
<tr>
<td><strong>Options (Choose Any)</strong></td>
<td>-DC Double Containment, -HH Redundant High Level Switch, -ST Seismic Tie-Downs, -VM Valve Manifold, -VE Valve Enclosure</td>
</tr>
</tbody>
</table>

* Consult Wastech Sales with any specific geometric requirements or space limitations.

**HCPLS-0200-18-P1-2-IM-4-N4-CL-PV-TC-DC**

Specifications subject to change without notice

Page 2 of 4

Rev. 0 - February 2014
MINIMUM DIMENSIONS

TRIPLEX

DUPLEX

SIMPLEX

TANK DEPTHS UP TO 8 FT