Description
The LS condensate removal pumps are energy efficient lifting stations that use permanent magnet, ECM (electronically commutated motor) technology. The LS condensate removal pumps are designed specifically for use in applications where the removal of condensate fluid is not possible by gravity.

Materials of Construction
Pump Housing: ABS Material
O-Ring: EPDM
Bearing: Carbon/Alumina Ceramic
Impeller: Nylon/PPO
Motor: High Efficiency ECM
All Other Wetted Parts: Type 316 Stainless Steel
Shaft-less, seal-less construction

Operating Data
Pump
Maximum Working Temperature: 140°F (60°C)
Minimum Ambient Temperature: Non-freezing
Acid Resistance: pH 2.7 or higher

Standard Features
Motor
Motors are designed with a shaft-less spherical motor with permanent technology for improved efficiency.

Motor
ECM Spherical Motor
Phase: Single 60 Hz
Voltage: 100-140 volts
Power Consumption: 20 watts
Current draw: 0.1 - 0.2A
Automatic Overload Protection
Low in-rush current

Acid Resistant
All LS condensate removal pumps are made from acid resistant ABS material

LED
Green LED to indicate when pump is operating

Tank
Tank Volume: 0.184 gallons total (0.132 gallons usable)

Assembly
All LS condensate removal pumps come as kits ready for installation. All kits should include:
1. LS Condensate Pump
2. Mounting bracket (designed for rear wall or left side wall mounting)
3. Pressure hose connection kit
4. Pressure hose (19 ft)
Typical Specifications
The contractor shall furnish and condensate removal pumps as illustrated on the plans and in accordance with the following specifications:
1. The pumps shall be of the high efficiency type specifically designed for quiet operation.
2. Pump to be suitable for 140°F (60°C) operation.
3. The pumps shall have a ceramic ball bearing lubricated by the system fluid.
4. Motor shall be a spherical permanent magnet electrically commutated motor (ECM).
5. Motor shall be non-overloading at any point on the pump curve and shall have built in overload protection.
6. Pumps to have a capacity of ______ GPM at ______ foot of head.

![LS Condensate Pump Curve](image)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Model</th>
<th>Materials</th>
<th>Motor</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>6098B0000</td>
<td>LS Condensate Pump</td>
<td>ABS</td>
<td>ECM</td>
<td>3.5 lbs</td>
</tr>
</tbody>
</table>

**LS Condensate Removal Pump Dimensions**

Dimension in Inches (mm)

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Condensate inlet (.95 in, 24mm)</td>
<td>4.64&quot; (118)</td>
</tr>
<tr>
<td>Additional inlet opening (6.95 in, 24mm)</td>
<td>5.83&quot; (148)</td>
</tr>
<tr>
<td>Magnet float</td>
<td></td>
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<tr>
<td>Mounting bracket (for rear wall or left side wall)</td>
<td></td>
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<tr>
<td>Clip</td>
<td></td>
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<tr>
<td>Main cable (6.5ft, 2m) with shock-proof plug</td>
<td></td>
</tr>
<tr>
<td>Alarm connection cable (floating, 6.5ft 2m)</td>
<td></td>
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<tr>
<td>Non-contact electronic fill level detection with echo sensors</td>
<td></td>
</tr>
<tr>
<td>Connection for pressure hose (.55 in x .08 in, 19ft)</td>
<td></td>
</tr>
<tr>
<td>Non-return valve with bayonet connection</td>
<td>10.</td>
</tr>
<tr>
<td>Opening for non-return valve</td>
<td>11.</td>
</tr>
<tr>
<td>Pressure nozzle</td>
<td>12.</td>
</tr>
<tr>
<td>Tank (0.7l; usable volume 0.5l)</td>
<td>13.</td>
</tr>
<tr>
<td>Permanent magnetic rotor/impeller</td>
<td>14.</td>
</tr>
<tr>
<td>Pump sump</td>
<td>15.</td>
</tr>
<tr>
<td>Operating LEDs</td>
<td>16.</td>
</tr>
<tr>
<td>Stator of the high-efficiency spherical motor pump</td>
<td>17.</td>
</tr>
</tbody>
</table>

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www.xyleminc.com/brands/bellgossett

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