Advantages

- Ride not affected by changes in load or temperature
- Reduces motor run time
- Eliminates overheating issues
- Up to 30% energy savings
- No seasonal adjustments
- Wide range of application from residential to passenger to freight elevators

Options

- Electronic emergency lowering device
- Hand pump
- Pressure switch
- Shut–off valve
Power Unit Solutions
Submersible & Dry

Due to its closed loop operation, the Schumacher hydraulic power unit (with Bucher Hydraulics valve) supplies consistent operation regardless of load and temperature. A stepless, linear travel profile is accomplished by utilizing a proportional solenoid. The solenoid voltage is adjusted with the aid of a flow sensor to guarantee a consistent ride with minimal leveling. Consequently, motor run times are reduced by as much as 30%, saving power and creating an environmentally friendly product.

Bucher valves also reduce the need for heating and cooling systems, which are required by most other hydraulic systems. Schumacher power units utilizing a Bucher Hydraulics electronic valve offer optimum assurance that elevators are capable of handling high-traffic applications.

SCHUMACHER ELEVATOR COMPANY IS THE NORTH AMERICAN DISTRIBUTOR OF BUCHER HYDRAULICS ELEVATOR PRODUCTS.

<table>
<thead>
<tr>
<th>Valve Size</th>
<th>Flow Range</th>
<th>Viscosity Range</th>
<th>Max Oil Temp [*F]</th>
<th>Max Operating Pressure</th>
<th>Static Pressure Range</th>
<th>Connections</th>
<th>Test–Connections</th>
<th>Weight [lb]</th>
<th>L x W x H [in]</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRV–1</td>
<td>175–1</td>
<td>4–66</td>
<td>20–500</td>
<td>158°</td>
<td>870</td>
<td>150°–653</td>
<td>G 1/4</td>
<td>G 1/4</td>
<td>17.6</td>
</tr>
<tr>
<td></td>
<td>350–1</td>
<td>40–130</td>
<td>20–500</td>
<td>158°</td>
<td>870</td>
<td>150°–653</td>
<td>1.5*NPT G 1/4</td>
<td>G 1/4</td>
<td>24.3</td>
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<tr>
<td></td>
<td>700–1</td>
<td>105–260</td>
<td>20–500</td>
<td>158°</td>
<td>870</td>
<td>180°–653</td>
<td>2*NPT G 1/4</td>
<td>G 1/4</td>
<td>49.6</td>
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<tr>
<td>LRV–1 PM</td>
<td>350–1 PM</td>
<td>40–130</td>
<td>20–300</td>
<td>158°</td>
<td>580</td>
<td>70°–419</td>
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</tr>
</tbody>
</table>

* depending on flow and viscosity

HYDRAULIC POWER UNIT FEATURES:

- Power units tested and pre-programmed prior to shipment
- Constant speed in up & down directions, comes standard
- Inspection speed adjustable from 20%–80% of contract speed
- Combination power unit/controller packages available
- Easily interfaced with all brands of controllers