LGL156 & LGL158
Continuous Duty, High Pressure LPG and NH3 Pumps

Applications
- Single and dual hose fuel dispensers
- Aerosol filling
- Vaporizer feed
- Underground tank applications
- Aboveground tank applications
- Other high differential pressure liquefied gas applications
- UL listed for use on propane, butane, butane/propane mixes and anhydrous ammonia

Features
- Designed for high differential pressure of 13.7 bar (200 psi)
- Sliding vane, positive displacement design for consistent performance
- Motor speed operation at 1,450 rpm (50Hz) or 1,750 rpm (60Hz) operation
- LGL158 suction lift up to 4 meters (13 feet) – smaller pumps have less lift capability
- LGL156 model designed to allow use of single phase motors
- Cavitation suppression liner
- Replaceable liner and discs
- Ductile iron construction
- Flanged inlet and outlet connections
- 4-bolt flange allows for optional flange sizes
- Factory ISO-9001 certified

How Blackmer’s sliding vane action works
### Pump Specifications

<table>
<thead>
<tr>
<th>Pump Model</th>
<th>Maximum Speed</th>
<th>GPM (L/min)</th>
<th>HP (kW)</th>
<th>Maximum Differential Pressure</th>
<th>Recommended Bypass Valve Setting</th>
<th>Relief Valve Setting</th>
<th>Maximum Working Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>LGL156</td>
<td>1,750</td>
<td>21 (79.5)</td>
<td>4.9 (3.6)</td>
<td>160 PSI (11.0 bar)</td>
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<td>225 PSI (15.5 bar)</td>
<td>425 PSI (29.3 bar)</td>
</tr>
<tr>
<td>LGL158</td>
<td>1,750</td>
<td>32.3 (122)</td>
<td>6.5 (4.8)</td>
<td>200 PSI (13.8 bar)</td>
<td>200 PSI (13.8 bar)</td>
<td>225 PSI (15.5 bar)</td>
<td>425 PSI (29.3 bar)</td>
</tr>
</tbody>
</table>

### Dimensions

**4-Bolt Flanged Pump with Motor Adaptor**

<table>
<thead>
<tr>
<th>4-Bolt Pump with Motor Adaptor</th>
<th>A</th>
<th>B</th>
<th>M</th>
<th>N</th>
<th>Q</th>
<th>U+V</th>
<th>AA+E</th>
<th>CC*</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>¾ in.</td>
<td>¾ in.</td>
<td>6 ½ in.</td>
<td>7 ¾ in.</td>
<td>13 ½ in.</td>
<td>10 in.</td>
<td>15 ½ in.</td>
<td>2 in.</td>
<td>109 lbs.</td>
</tr>
</tbody>
</table>

*CC - Optional Riser

**ANSI Flanged Pump with Motor Adaptor**

<table>
<thead>
<tr>
<th>ANSI Pump with Motor Adaptor</th>
<th>A</th>
<th>B</th>
<th>M</th>
<th>N</th>
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<td>11 ½ in.</td>
<td>15 ½ in.</td>
<td>2 in.</td>
<td>120 lb.</td>
</tr>
</tbody>
</table>

*CC - Optional Riser

### DM Drive Style  Direct Motor Drive

Base mounted units are available, complete with pump, coupling and coupling guard, mounting on a common base, ready to accept a standard NEMA C-face or IEC flanged-face motor. DM units are available with and without electric motors.