VEHICLE-MOUNTED PUMP

CG Series

The single stage design with vertically-split volute and pump transmission provides simple operation, easy maintenance and high reserve capacity.

PERFORMANCE

• 750 GPM (3000 l/min)
• Maximum Pressure: 350 PSI (24 bar)

AVAILABLE MOUNTING

• Mid-Ship: Equipped with C20 Chain Drive Transmission
• PTO: Equipped with PA Chain Drive
  PTO or K Series Gear Drive Transmission
SPECIFICATIONS: VEHICLE MOUNTED: CGV
Meets NFPA 1901 for 750 GPM and NFPA 1902 for 500 GPM

<table>
<thead>
<tr>
<th>Rating</th>
<th>GPM</th>
<th>l/min</th>
<th>l/sec</th>
<th>PSI</th>
<th>bar</th>
<th>kPa</th>
<th>MPa</th>
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<tr>
<td>NFPA 1901</td>
<td>750</td>
<td>3000</td>
<td>50</td>
<td>150</td>
<td>10</td>
<td>1000</td>
<td>1.0</td>
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<tr>
<td>NFPA 1902</td>
<td>500</td>
<td>2000</td>
<td>30</td>
<td>150</td>
<td>10</td>
<td>1000</td>
<td>1.0</td>
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<tr>
<td>Special</td>
<td>1000</td>
<td>4000</td>
<td>65</td>
<td>150</td>
<td>10</td>
<td>1000</td>
<td>1.0</td>
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Pump Features
- Two-piece, vertically-split, high-tensile, close-grained gray iron, or bronze (optional).
- Self-Adjusting Mechanical Seal
- Replaceable bronze wear rings
- Stainless steel impeller shaft supported by oil-lubricated ball bearings.
- Bronze, double-hubbed impeller for smooth operation and longer life (Flame plating optional)
- 3' Flanged Discharge (optional 4” Victaulic)
- Rotation: Available in clockwise or counterclockwise rotation.
- Available with either threaded or Victaulic® intake connections. Threaded intake connections are available in three popular sizes. The CGV can also be used with a Victaulic® intake and discharge fittings for crash truck or fire boat use.
- Intake Fittings (Choice of the following):

<table>
<thead>
<tr>
<th>Type</th>
<th>Model</th>
<th>Sizes</th>
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<tbody>
<tr>
<td>Threaded End Intake</td>
<td>CGVR</td>
<td>4, 4-1/2 and 5 inch</td>
</tr>
<tr>
<td>Victaulic® Intake</td>
<td>CGV</td>
<td>5 inch</td>
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</tbody>
</table>

Note: 4-1/2 inch threaded end intake available with either 2-1/2 inch or 3 inch auxiliary intake ports. All other fittings available with 2-1/2 inch auxiliary intake ports only. No auxiliary taps available on CGV pump.

Optional Equipment
- Priming System, see F-2418
- Pressure Control Systems:
  - Discharge Relief Valve, see F-897
  - Intake Relief Valve, see F-2192
- Corrosion Protection – Zinc Intake Screens and Anodes
- Overheat Protection Manager, see F-2422
- Drain Valves, see F-1158
- 3-1/2” Tank to Pump Valve
- Discharge Valves, see F-1161
- Pneumatic Shift, see F-1155
- Five-Year Limited Warranty with Total Protection Package (TPP-5)
- Tachometer drive, operates at ½ input shaft speed.
- Transmissions Available:
  - C20 Chain Drive (Split-Shaft)
  - P Series Chain Drive (PTO Driven)
  - K Series Gear Driven (PTO Driven)
  - T Series Gear Driven (Direct Engine)

K Series
The K Series Transmission is normally used when a truck transmission mounted power take-off is selected as the pump drive.

Housing: Close-grained, gray iron

Gears: Helical, precision cut, crown shaved for proper load distribution and quiet operation.

T Series
The T Series Transmission is supplied when the pump is to be mounted directly to the engine bell housing. This provides a clean, compact arrangement and allows for complete pump and roll capability.

Housing: Close-grained, gray iron

Gears: Helical, precision cut, crown shaved for proper load distribution and quiet operation.

C20 Series
The “C20” series transmission is supplied when the pump is to be midship mounted. Power from the truck’s automatic transmission is transmitted to the pump.

Housing: High-strength aluminum

Chain: Morse HV®, high-strength involute chain

PA Series
PA Series transmission is normally used when a truck transmission mounted power take-off is selected as the pump drive. Designed for use with Allison transmissions with 10-bolt PTO.

Housing: High-strength aluminum

Chain: Morse HV®, high-strength involute chain

Warranty
Waterous Five-Year Limited Warranty

Conditions of Sales
For details on Waterous Condition of Sales, refer to F-2190, Conditions of Sales located on the Waterous web site at www.waterousco.com or by contacting Waterous.

Industry Leading Sales and Support
When you purchase equipment, not only do you get quality products, you get quality service. Our expert service technicians are the best in the business and they are always happy to answer any service questions you might have.

Sales/Applications Assistance
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