



FOAM SYSTEMS

CAFSystems™

FIRE PUMPS

VEHICLE-MOUNTED PUMP

# CG Series



C20



T



K



PA

Transmission  
Options

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

| CGV Pump Performance |      |       |       |          |     |      |     |
|----------------------|------|-------|-------|----------|-----|------|-----|
| Rating               | FLOW |       |       | PRESSURE |     |      |     |
|                      | GPM  | l/min | l/sec | PSI      | bar | kPa  | MPa |
| NFPA 1901            | 750  | 3000  | 50    | 150      | 10  | 1000 | 1.0 |
| NFPA 1902            | 500  | 2000  | 30    | 150      | 10  | 1000 | 1.0 |
| Special              | 1000 | 4000  | 65    | 150      | 10  | 1000 | 1.0 |

## 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):**

| Type                | Model | Sizes               |
|---------------------|-------|---------------------|
| Threaded End Intake | CGVR  | 4, 4-1/2 and 5 inch |
| Victaulic® Intake   | CGV   | 5 inch              |

**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.**

## Warranty

Waterous Seven-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](http://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**  
Phone: 651-450-5234 (Press 3)  
[pumpsales@waterousco.com](mailto:pumpsales@waterousco.com)

**Service Assistance**  
Phone: 651-450-5200  
Fax: 800-488-1228  
[service@waterousco.com](mailto:service@waterousco.com)

## Optional Equipment

- Priming System, see F-2418
- Pressure Governor, see F-2995
- Pressure Control Systems:
  - Discharge Relief Valve, see F-897
  - Intake Relief Valve (Piloted), see F-2192
  - New Intake Relief Valve (Non-Piloted), see F-2192-N
- Corrosion Protection – Zinc Intake Screens and Magnesium Anodes
- Overheat Protection Manager, see F-2422
- Drain Valves, see F-1158
- 3-1/2" Tank to Pump Valve
- Discharge Valves, see F-1161
- Seven-Year Limited Warranty with Total Protection Package (TPP-5)
- Tachometer drive, operates at 1/2 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:** Aluminum

**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.

T Transmissions are available in SAE 2, 3, 4, or 5 bell housing adapters.

**Housing:** Aluminum

**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:** 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