



FOAM SYSTEMS

CAFSystems™

FIRE PUMPS

VEHICLE-MOUNTED PUMP

CP-3 Series



CPK-3



CPT-3

A compact two-stage pump with “pump and roll” capability making it ideal for extinguishing grass and brush fires.

PERFORMANCE

- Maximum Flow: 500 GPM (2000 l/min)
- Maximum Pressure: 800 PSI (55 bar)

AVAILABLE MOUNTING

- Equipped with K Series Gear Drive Transmission or T Series Direct Mount

SPECIFICATIONS – PTO DRIVEN: MODEL CP-3

| CP-3 Pump Performance | | | | | | | | |
|-----------------------|-------------------|------|-------|-------|----------|-----|------|-----|
| Capacity | Parallel / Series | FLOW | | | PRESSURE | | | |
| | | GPM | l/min | l/sec | PSI | bar | kPa | MPa |
| High Capacity | Parallel | 500 | 1900 | 32 | 150 | 10 | 1000 | 1.0 |
| | Series | 60 | 200 | 3 | 500 | 34 | 3400 | 3.4 |
| High Pressure | Parallel | 150 | 600 | 10 | 150 | 10 | 1000 | 1.0 |
| | Series | 60 | 200 | 3 | 800 | 55 | 5500 | 5.5 |
| Medium Capacity | Parallel | 275 | 1000 | 17 | 150 | 10 | 1000 | 1.0 |
| | Series | 60 | 200 | 3 | 600 | 41 | 4100 | 4.1 |

(With three impeller set options available, Waterous can furnish any one of the above typical capacity/pressure ratings.)

Note: Pump performance may be limited by PTO/engine or truck transmission rating.

Pump Features

Casing:

One-piece high-tensile, close-grained gray iron (bronze optional).

Impeller:

Bronze, hydraulically and mechanically balanced rotation.

Wear Rings:

Bronze, replaceable wear ring

Separable Impeller Shaft:

Allows separation of pump from transmission for ease of serviceability.

Shaft Seal:

Mechanical Seal is standard.

Intake Connection:

4-inch (10 cm), NPT tee adapter

Discharge Connection:

Two 2-inch or 2-1/2 inch (5 or 6.3 cm) NPT tee adapter or 2-1/2 inch (6.3 cm) tapped flange

Bearings:

Completely ball bearing equipped, oil-splash lubricated.

Rotation:

Available in either rotation of input shaft.

Installation:

Universal joints, shaft, piping, and controls are furnished by fire apparatus builder.

Transfer Valve:

Bronze in removable bronze housing; push-pull manual operation.

Approximate Weight and Dimensions

| Length (in/cm) | Width (in/cm) | Height (in/cm) | Weight (lb/kg) (Includes Oil) |
|----------------|---------------|----------------|----------------------------------|
| 26.69 (67.8) | 15.8 (40.3) | 25.2 (64.1) | 185 (84) |

Warranty

Waterous Seven-Year Limited Warranty

Conditions of Sales

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

Optional Equipment

- Priming System, see F-2418
- Pressure Governor, see F-2995
- Pressure Control Systems:
 - Discharge Relief Valves, see F-897
 - Intake Relief Valves (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
- Discharge Valves, see F-1161
- Tachometer drive available, operates at ½ input shaft speed.
- Transmissions Available:

K Series (PTO)

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

Housings: Aluminum

Drive Ratios: 1.62, 1.97, 2.14, 2.55, 2.79, 3.40

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

T Series (Direct-Engine Mounted)

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.

Housings: Aluminum

Drive Ratios: 1.62, 1.97, 2.14, 2.55, 2.79, 3.40

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

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

Service Assistance

Phone: 651-450-5200
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