



CP-4 SERIES

VEHICLE MOUNTED PUMP



Pump Features

Casings:

Two-piece, horizontally-split, high-tensile, close-grained, gray iron (bronze optional).

Wear Rings:

Ni-resist; special "stepped" design to reduce internal leakage and increase efficiency. Replaceable by undersize rings to prolong pump life and minimize maintenance costs.

Impellers:

Bronze, hydraulically and mechanically balanced - one integrally cast pair for the first and second stages and another for the third and fourth stages. Impeller hubs are "stepped" to minimize internal bypass.

Stuffing Boxes:

Adjustable braided flexible graphite (BFG) packing.

Rotation:

Available with either clockwise or counter-clockwise rotation of input shaft.

Bearings:

All bearings are oil or grease lubricated, anti-friction (ball type), located outside the pump casing to accurately align and support the impeller shaft assembly. Ball bearings are deep-groove type designed to carry both radial and axial thrust.

Intake:

2" (5 cm) NPT

Discharge:

1-1/2" (3.8 cm) NPT

Applications

The CP-4 can be used either as an auxiliary pump to provide "booster" service on an apparatus that also has a rated midship pump, or as the only pump on a mini-pumper, brush truck or other special purpose vehicle. Especially adaptable to "pump and roll" operation, the CP-4 pump will supply two or more high-pressure booster reels with ultra-high pressure. Ideal for situations where a limited water supply is available and a high-pressure fog is desirable for knocking out a fire quickly before it spreads.

Warranty

Waterous Seven-Year Limited Warranty (CP-4 Series Only, Contact Waterous for Warranty details on the CPT-4UHP Series)

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.

CP-4 Pump Performance

Model	FLOW			PRESSURE			
	GPM	l/min	l/sec	PSI	bar	kPa	MPa
CP-4	60	227	3.78	1000	69	6900	6.9
CPT4-UHP	90	341	5.68	1350	93	9300	9.3

Optional Equipment

- VENTURIS™ Air Primer, see F-2940
- Priming System (Rotary Vane), see F-2418
- Pressure Control Systems:
 - Discharge Relief Valves, see F-897
 - Intake Relief Valves (Piloted), see F-2192
 - Intake Relief Valves (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, 4.00, 4.79

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, 4.00, 4.79

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

Fax: 800-488-1228

service@waterousco.com