

SPECIFICATIONS: MODEL CRU-2 HIGH-FLOW PUMP FOR ARFF AND INDUSTRIAL APPLICATIONS



Waterous CRU-2 single-stage centrifugal high-flow pump mated to the new C21 chain-driven transmission can be utilized in aircraft firefighting or moving large amounts of waters for industrial applications.

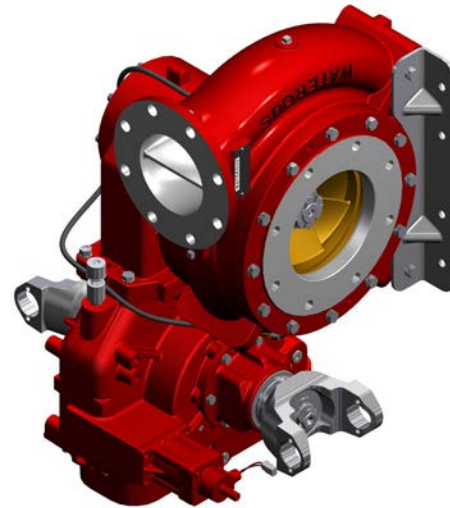
| CRU-2 Pump Performance | | | | | | | |
|------------------------|------|-------|-------|----------|-----|-----|------|
| Model | FLOW | | | PRESSURE | | | |
| | GPM | l/min | l/sec | PSI | bar | kPa | MPa |
| CRU-2 | 4000 | 15000 | 250 | 100 | 6.9 | 690 | 0.69 |

Pump Features

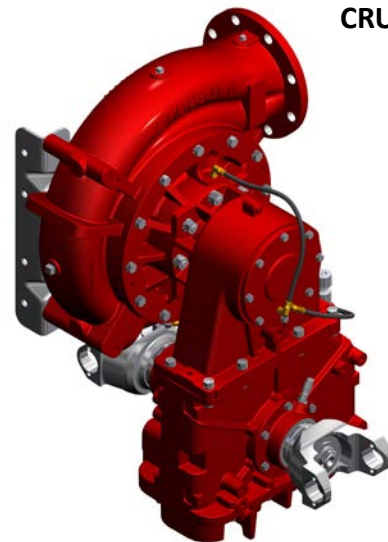
- Single stage, vertically- split body constructed of ductile iron
- Bronze replaceable wear rings
- Silicon bronze, mechanically and hydraulically balanced impeller
- Stainless steel impeller shaft
- Self-adjusting mechanical seal
- 8-inch flanged intake
- 6-inch ANSI flanged discharge

C21 Transmission Features

- High-strength aluminum, three-piece, horizontally-split housing
- Drive line shafts made from alloy steel forgings, hardened and ground to size, 2.35 inch 46-tooth involute spline.
- Drive and driven sprockets are hardened and have ground bores.
- Integral water cooler provision.
- Morse HV® high-strength involute form drive chain.
- Deep-groove, anti-friction ball bearings give support and proper alignment to the impeller shaft assembly. Bearings are oil-splash lubricated, completely separated from the water being pumped, and protected by a V-ring and oil seals.
- An internal lubrication system delivers lubricant directly to the drive chain. This unique design eliminates the need for an external lubrication pump and auxiliary cooling.
- Shift mechanism consists of a constant-mesh, two-position sliding collar that engages all teeth simultaneously. In-cab controlled pneumatic shift. An internal locking mechanism provides a positive lock in PUMP or ROAD position.



CRU-2C21 Model



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.

Optional Equipment (See Next Page)

- Priming System
- Pressure Control Systems – Discharge and Intake Relief Valves
- Corrosion Protection – Zinc Intake Screens and Anodes
- Overheat Protection Manager
- Drain Valves
- Discharge Valves
- Discharge Positions:
- Available in 25° below horizontal, horizontal or vertical.
- Pneumatic Shift



RAISING THE BAR ON INNOVATION, RELIABILITY AND SERVICE.

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Accessories & Optional Equipment

The accessories below are available for Waterous CRU-2 pumps. For detailed information about these accessories, request each specification sheet by number.

Primer

Select an electric rotary vane primer for fast, reliable priming.
F-2418

Pressure Control Systems

Discharge Relief Valve

Simple ON-OFF control permits placing the system in or out of operation in seconds. See Relief Valve, F-897.

Intake Relief Valves

The Waterous intake relief valve is designed to dump excess pressure from the inlet side of the pump. See Intake Relief Valves, F-2192.

Corrosion Protection

Waterous offers replaceable zinc intake screens and anodes to provide corrosion protection. These items are designed to sacrifice the zinc element to galvanic corrosion. Without this protection, galvanic corrosion may damage the iron pump body and fittings.

Overheat Protection Manager

The OPM consists of an illuminated warning light on the operator's panel whenever the pump approaches an overheat condition.
F-2422

Drain Valves

Drains all points of the pump simultaneously with the operation of a single control. F-1158

Discharge Valves

The following Waterous ball-type discharge valves are available: 2-1/2 inch, 3-1/2 inch, rack and sector push-pull, worm gear and electric. Chrome-plated brass ball and hydraulically-balanced seal assembly standard. See Discharge Valves, F-1161.

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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Service Assistance

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