



Industrial Cleaning

# Pumps

Surface Preparation



Waterjet Cutting

## C Series Triplex Water Energy Pump



### Pressures to 35,000 psi

Aqua Dyne's **C Series** Water Energy™ Generators are designed for rugged pumping applications requiring up to **500 input horsepower**. Production of the C Series pump is in Aqua-Dyne's world class manufacturing plant in Houston, Texas. All pumps are manufactured to industry's highest standards under the supervision of professional Water Energy Engineers and Technical Specialists. Combining modern technology and **space age materials** with high speed bearings, Aqua-Dyne has advanced the state of the art of Water Energy Pump Design by developing a **large horsepower pump** with **varying outputs of pressures and volumes** covering a **broad range of applications**.

Aqua-Dyne's innovative Water Energy Work Tools and Accessories together with the flexibility and durability of C Series pumps are the right choice for a **cost effective** program for managing the toughest industrial **high pressure cleaning** and **cutting** tasks.

## FEATURES

Max. working pressure	35,000 psi
Max. flow	171.4 gpm
Horsepower	300 - 500 hp
Weight	3500 lbs
Oil Capacity	9 U.S. gallons
Number of Cylinders	3
Plunger Stroke	3½ in
Plunger Load	19,206 - 32,010 lbs

**Fluid End**

**Fluid Cylinders:** Proprietarily treated stainless steel is standard, other materials available to suit applications.

**Valves and Seats:** Heat treated stainless steel enhances the In-Line Valve life. All valves may be reconditioned by surface grinding.

**Plungers:** Non-scoring, alumina ceramic or optional colmonoy or tungsten carbide coated steel.

**Packing:** V-rings of advanced proprietary polymer material are self adjusting giving long service when used with non-scoring ceramic plungers.

**Lubrication:** Plungers and packings are closed loop pressure lubricated by fluid from suction manifolds. No external lubrication is necessary.

**Manifolds:** Individual light weight suction and discharge manifolds are easily removed for simple maintenance. Different materials are available to suit applications.

**Power End**

**Power Frame:** Iron alloy casting with sturdily ribbed wall sections.

**Crankshaft:** High strength ductile iron, may extend from either side. Rifle drilled for forced oil lubrication of connection rods.

**Crankshaft Bearings:** Heavy duty taper roller bearings.

**Crossheads:** Cylindrical type high strength nodular iron castings. Wrist pin is case hardened and ground steel with double needle roller bearings. Extension Rods are burnished stainless steel.

**Lubrication:** Power end parts are lubricated by forced feed oil. Cooled and filtered oil circulation is standard.

**Connecting Rods:** High strength, ribbed section, ductile iron.

**Oil Wiper Seals:** Double lip "U" cup.

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