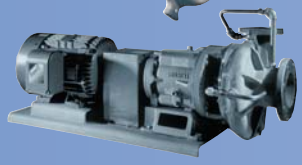
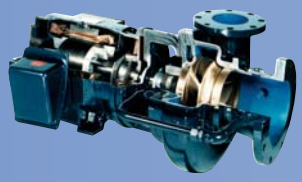
CORNELL OFFERS

Cornell Pump Company

Features and Benefits

When you get a pump from Cornell, that's not all you get. You get all the features, benefits, maintenance and cost saving characteristics that come with our pumps.





What Cornell Has To Offer

Industry Leading Warranty:
Cornell is the only pump company to offer a minimum 2-year standard warranty on all manufactured pumps. On Refrigeration pumps, Cornell offers a 3-year warranty. Cornell also offers extended warranties on special and large projects. Cornell has the best history of reliability and the best warranties in the pump business.

Diversified Product Range:
Cornell offers a full line of Clear Liquid and Non-Clog pumps; specialty semi-open (Delta) impeller pumps; D.A.F. pumps; Redi-Prime® pumps; Food Handling pumps; Refrigeration pumps and more. Our products are solution-engineered to give you the advantage.

Years of Experience:
Now entering our seventh decade, Cornell pumps have been tried and proven in the field. Opt for Cornell endurance.

Superior Pump Characteristics:
Due to our vast experience in pumping technology, Cornell guarantees superior pump performance characteristics. Low NPSH; optimum solids diameter handling; low pump stress; extended pump, seal, and bearing life; along with low maintenance costs are Cornell trademarks. Cornell saves you money.

High Efficiencies:
Cornell Pump Company has a great reputation for high efficiency pumps. With today's high energy costs, this is a must for most applications.

Modular Design:
Cornell pumps can be fitted and retro-fitted, easily adapting to changes in your application environment. Our line of pumps is available in close-coupled, horizontal or vertical bearing frame mounts, plus submersible and immersible configurations. Pick a hydraulic, then pick the geometry best suited to your application. Right hand and left hand rotation along with tangential or centerline discharges are available for most pumps.

Heavy Walled Section Castings:
Look at a Cornell pump and you can see the difference. Robust construction ensures durability and extended life.

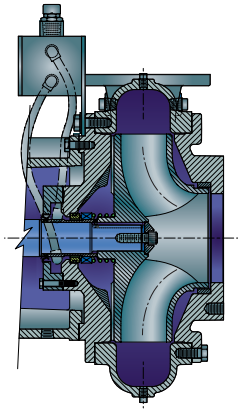
Engineering Expertise:
Cornell's advanced Engineering Expertise is well known in the industry and includes the ability to perform rotor-dynamic and finite element analysis, computational fluid dynamics, flywheel design and water hammer analysis. In addition, Cornell Engineers are up to the challenge of taking on special application projects to meet customer needs.

Various Material Options:

Cast iron, Ductile Iron, Heat-Treated Ductile Iron, Bronze, Navy Bronze, various Stainless Steel grades including Duplex and Super Duplex Stainless Steel, and other materials are available to meet your application needs.

Anti-Cavitation Device:

A unique technology utilized in our Hot Cooking Oil pumps handles temperatures above 400° F and suppresses vapors released from oils in the suction, preventing cavitation.

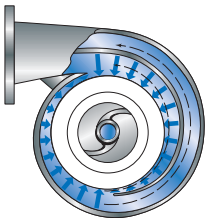


Cycloseal® Design:

No seal flush, no vent line and no lubrication is required for this seal. Cornell's Cycloseal® lasts many times longer than regular seals. This saves on the installed cost of a seal water system and its on-going maintenance; not to mention the savings of hundreds of thousands of gallons of seal water.

Run-Dry Feature:

A great feature for protecting your pump station. Allows your pump to run dry without the use of expensive water systems and without mechanical seal damage.



Back Pump Out Vanes:

Reduces axial thrust on the pump, which translates into longer seal life, shaft life and bearing life.

Double Volute Designs:

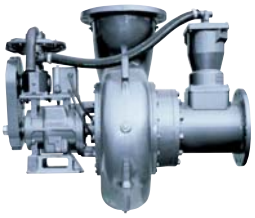
Reduces radial thrust, again for longer seal life, bearing life and shaft life.

Balance Line:

A very important feature for Clear Liquid pumps. Helps reduce axial thrust which prolongs bearing, shaft and seal life.

Redi-Prime® Pumps:

A great product for several applications including de-watering, cooling towers and emergency bypass. Our Redi-Prime® pumps can do the job with efficiencies as high as 20%-30% better than typical self priming pumps. In addition, our Redi-Prime® is available on pumps up to 30" in size with heads as high as 300 feet.



Immersible Motor Design:

The latest technology in Dry-Pit application design. The Immersible motor provides the right solution for flood-plane installations. Cornell immersible motors have efficiencies of up to 96%. Coupled with Cornell's well known high efficiency pumps, they provide the best possible combined efficiencies for an outstanding operations savings. In addition, Immersible Motor maintenance is negligible compared with Dry-Pit submersible motors.

Hydro-Turbines:

Cornell Hydro-turbines can produce energy up to 400 Kw with heads as low as 55 feet and flows as low as 90 GPM. Cornell turbines are available in a wide range of configurations and mounting styles.

Delicate Material Handling:

When it comes to pumping food products (lettuce, tomatoes, potatoes and most kinds of fruits and vegetables) Cornell is the first choice. Our Food pumps can also transfer live fish and shrimp. Renowned for superior food handling pumps, our percentage of product damage is the lowest in the industry (normally below 2%).

In-house Testing:

All pump testing is to Hydraulic Institute standards for performance, vibration, hydrostatic and NPSH characteristics. All Hot Cooking Oil pumps are hydrostatically tested prior to shipment to insure casting, assembly and mechanical seal integrity.

Engineered Bearing Life Analysis:

All pumps are evaluated for bearing life and a report showing radial/axial loads and estimated L10 life is available from Cornell Engineering.