Q-MAX PUMPS

HEAVY-DUTY CENTRIFUGAL PUMPS

Available in horizontal or vertical close-coupled and frame or engine mount configurations. Engineered for high flow/low-head applications, with renowned Cornell quality and durability.

Cornell redesigned some of our most popular clear liquids pumps, engineering them with single volutes. This makes the pumps lighter, and less expensive to produce while maintaining excellent hydraulic efficiencies and performance.

FEATURES AND BENEFITS

The Q-Max line of pumps is designed with Cornell’s renowned quality and durability.

- Competitive Pricing
- Available in all mounting configurations (CC, Frame and SAE)
- Packing or Cycloseal® mechanical seal
- Back pullout construction
- Cast iron construction with bronze wear rings
- 2 year warranty
- 20,000 hour minimum B-10 bearing life

ALL Q-MAX PUMPS INCLUDE:

- Standard iron construction w/ bronze shaft sleeve
- Cast iron impeller
- External Hydraulic Balance Line
- Replaceable wear rings and shaft sleeve
- High efficiency hydraulics

CYCLOSEAL® SYSTEM FOR GRIT REMOVAL

CYCLOSEAL is a self-contained single mechanical seal with a dished backplate. This configuration requires no external flushing and eliminates the need for a water flush line. The Cycloseal uses stationary deflector vanes cast into the dished pump backplate in conjunction with contoured impeller back vanes to create pressure gradients that moves solids and entrained vapor away from the seal faces. The Cycloseal system is only available on Cornell pump models.

- No flush water required
- Removes grit from pump seal compartment
- Extends pump seal life three times standard mechanical
- No drips/mess at application site
- Reduced maintenance costs
- Increased uptime and reliability
5WBQ

- Flow rates from 540 to 1,800 GPM
- Pressure from 11.5' to 85' (9 to 37 PSI)
- 84% efficient at Best Efficiency Point
- Dimensions are same as existing 5WBH pump

5YBQ

- Flow rates from 520 to 1,850 GPM
- Pressure from 21' to 106' (9 to 46 PSI)
- 85% efficient at Best Efficiency Point
- Dimensions are same as existing 5YBH pump

6YBQ

- Flow rates from 1,000 to 2,750 GPM
- Pressure from 21' to 129' (9 to 56 PSI)
- 86% efficient at Best Efficiency Point
- Dimensions are same as existing 6YBH pump

10YBQ

- Flow rates from 1,900 to 5,100 GPM
- Pressure from 28' to 115' (12 to 50 PSI)
- 80% efficient at Best Efficiency Point
- Dimensions are same as existing 10YBH pump
Cycloseal® and Redi-Prime® are Registered Trademarks of Cornell Pump Company.

Cornell pumps and products are the subject of one or more of the following U.S. and foreign patents: 3,207,485; 3,282,226; 3,295,456; 3,301,191; 3,630,637; 3,663,117; 3,743,437; 4,335,886; 4,523,900; 5,489,187; 5,591,001; 6,074,554; 6,036,434; 6,079,958; 6,309,169; 2,320,742; 96/8140; 319,837; 918,534; 1,224,969; 2,232,735; 701,979 and are the subject of pending U.S. and foreign patent applications.