MINING PUMPS DESIGNED FOR COARSE ABRASIVES

EFFICIENT BY DESIGN
MP SERIES MINING

MP SERIES MINING PUMPS DESIGNED FOR COARSE ABRASIVES

Cornell Pump Company’s MP Mining Pump Series combines 65 years of innovate pump manufacturing and design, with our highly-regarded patented Cycloseal® technology. Offering high operating pressures, the MP pumps are specifically designed for coarse abrasive slurry applications such as sand, gravel, coal, manure, and mine dewatering.

SPECIFICATIONS:

- Discharge Sizes: 4, 6, and 8 inches
- Flow Rates: Up to 9,000 GPM
- Heads: Up to 550 feet
- Solids Diameter: Up to 3 inches
- Seal Type: Cycloseal®
- Impeller type: Enclosed
- Run-Dry® and Redi-Prime® compatible
- Available in horizontal frame and SAE mount configurations

FEATURES:

- 17-4PH Stainless Shaft.
- Heavy duty construction for aggressive applications.
- High-chrome white iron pump-end construction.
- Thick cross-sections for abrasive wear and high operating pressures.
- Front adjustable wear plate to regain lost efficiency while in service.
- Replaceable suction liner and wear plates at point of maximum wear.
- Hardness rating > 650BHN provides better wear properties compared to standard cast or ductile iron.
- Heavy duty bearing frame construction with double angular contact thrust bearing. Oil or grease lubricated.

BENEFITS:

- Longer wear life to standard Cornell solids handling pumps.
- Solid handling capabilities.
- Works in tough environments.
- Cornell’s patented Cycloseal®, Run-Dry®, and Redi-prime® options are available.

APPLICATIONS:

- Mine dewatering
- Coal production
- Sand pumping
- Gravel transport
- Manure slurry
- Aggregate
- Tailings
- Oil sands

SLURRY PUMPS, WITH SOLIDS HANDLING UP TO 3 INCHES, WITH GREATER THAN 650BHN.
THE CORNELL PRODUCT LINE

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.