



CORNELL PUMP COMPANY

# MP SERIES

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 innovative 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"
- Flow rates: Up to 9,000 GPM
- Heads: Up to 550'
- Solids diameter: Up to 3"
- 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:

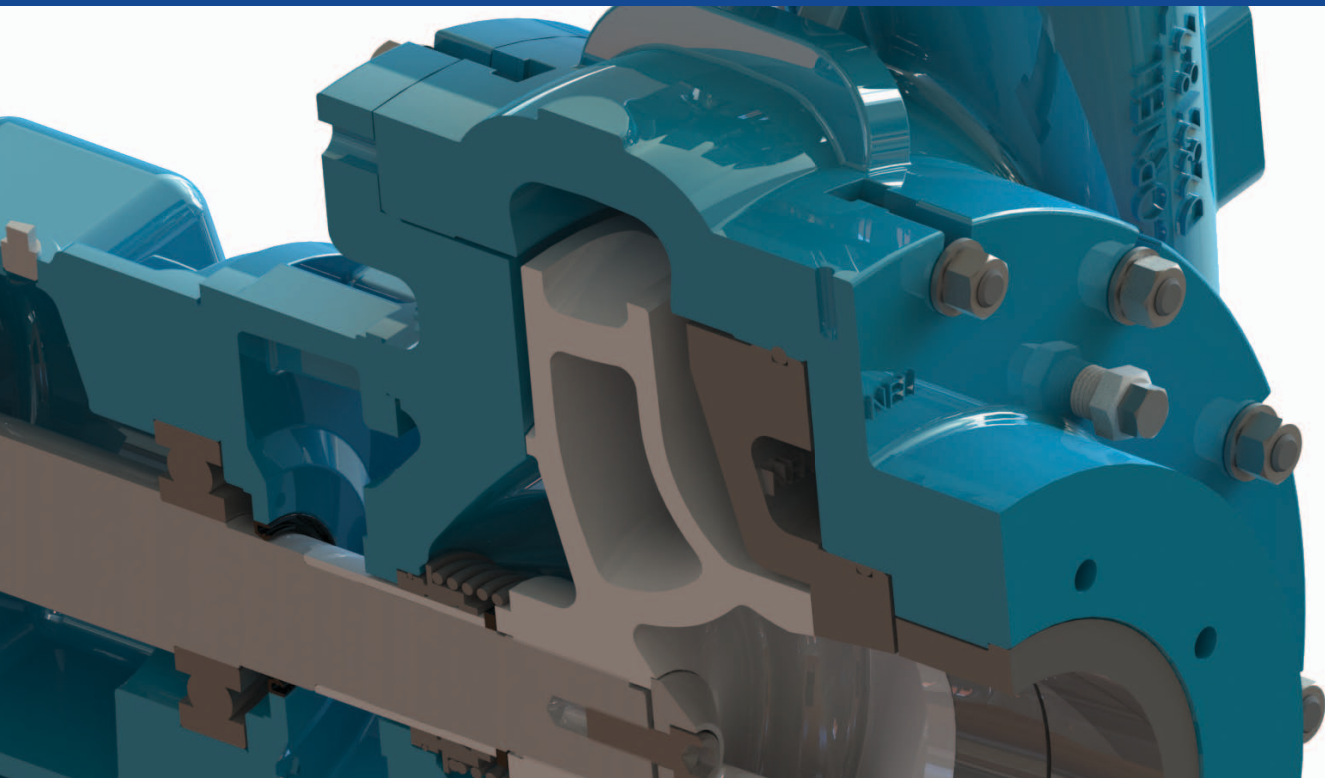
- Longer wear life to standard Cornell solids handling pumps
- Solid handling capabilities
- Works in tough environments
- Cornell's patented Cycloseal®, Run-Dry®, and Redi-Prime® options are available

### APPLICATIONS:

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



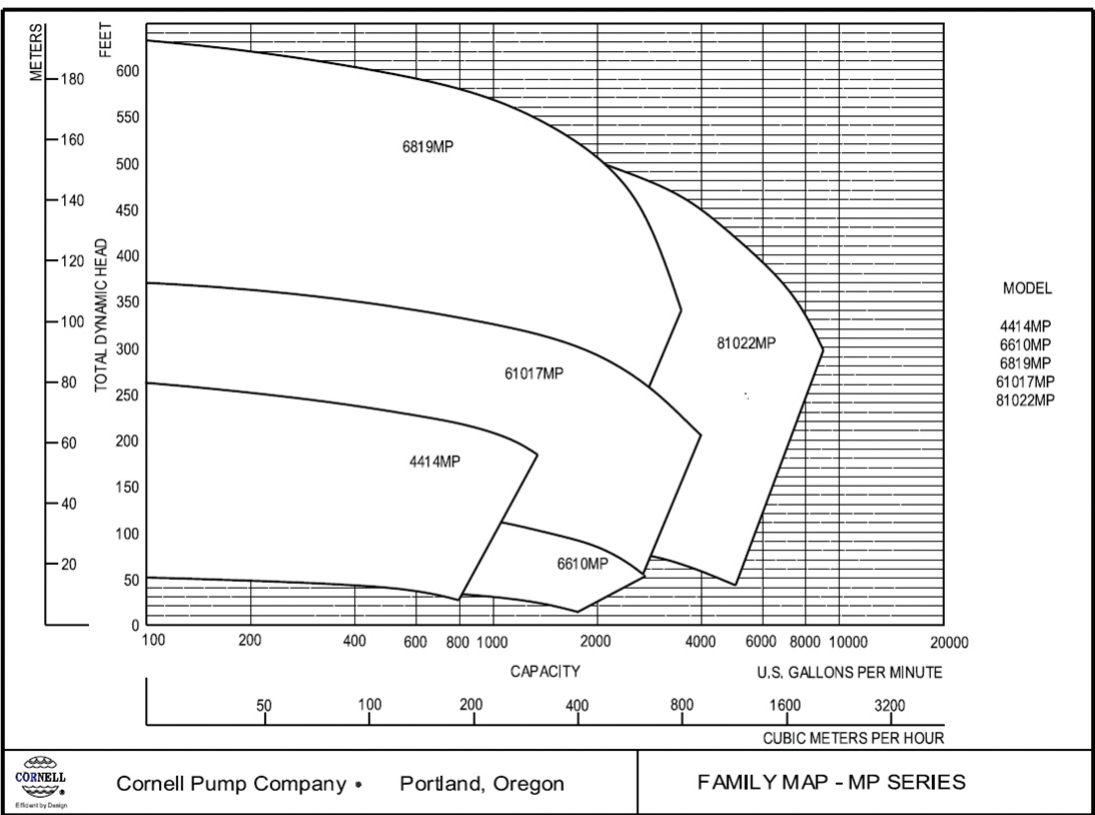
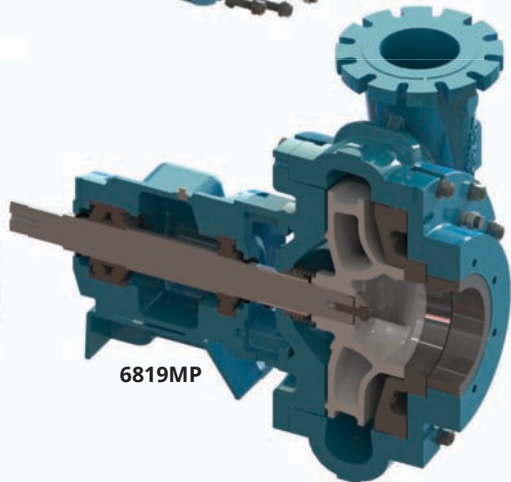
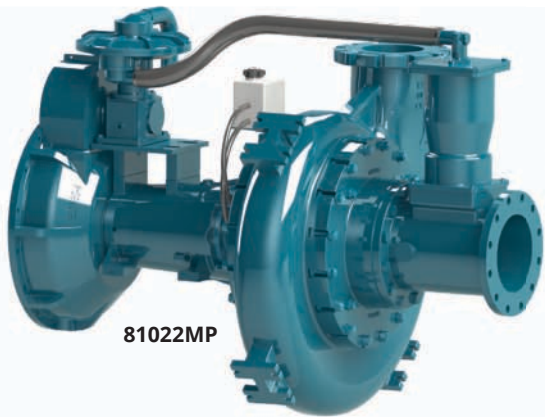
**SLURRY PUMPS, WITH SOLIDS HANDLING UP TO 3", WITH GREATER THAN 650BHN.**



# MP SERIES MINING

**MP**  
6819MP  
81022MP

Models shown



Cornell Pump Company • Portland, Oregon

FAMILY MAP - MP SERIES



# MARKET AND PRODUCT LINE



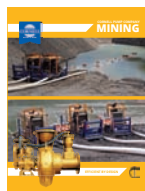
AGRICULTURAL



FOOD PROCESS



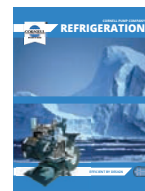
INDUSTRIAL



MINE DEWATERING



MUNICIPAL



REFRIGERATION



WATER TRANSFER



CHOPPER



CUTTER



EDGE™



HYDRAULIC SUBS



HYDRO TURBINE



IMMERSIBLE



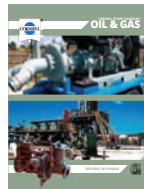
MANURE



MP SERIES



MX SERIES



OIL & GAS



REDI-PRIME®



STX SERIES



SLURRY



SUBMERSIBLE

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.



Cornell Pump Company  
 16261 SE 130th Ave  
 Clackamas, OR 97015  
 P: (503) 653-0330  
 F: (503) 653-0338



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