CORNELL PUMP COMPANY
SLURRY PUMPS
HEAVY DUTY SM SERIES

EFFICIENT BY DESIGN
SM SERIES SLURRY PUMPS

ROBUST SLURRY PUMPS FOR SERIES PUMPING WITH CYCLOGUARD™ AND CYCLOSEAL® INNOVATIONS

NEW! UNLINED HARD METAL PUMP

The SM Series of pumps are unlined high chrome white iron wet ends for a wide range of slurry applications. All pumps are design to a maximum working pressure of 600 PSI and can be used for series pumping. The product line has many options to match a wide range of applications. A variety of gland seal arrangements provide the ultimate in flexibility for heavy-duty applications.

FEATURES

• Back pullout design to simplify maintenance
• 600 PSI rated pressure
• CycloGuard® to reduce inlet recirculation
• Six vane impeller for high efficiency
• Infinitely variable volute and discharge position
• Axially adjustable suction wear plate = no frame adjustment needed or realignment of belts/piping
• Available in any pipe flange standard
• Standard CycloSeal®—no flush water required
• Other shaft seal arrangements available
• Grease or oil lubricated bearing frame
• High-capacity bearings available
• Ideal for series/multistage pumping applications
• Handles high solids concentrations

SERIES SPECIFICATIONS

<table>
<thead>
<tr>
<th>DISCHARGE SIZE RANGE</th>
<th>1½&quot; to 14&quot;</th>
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<tbody>
<tr>
<td>MAX SOLIDS HANDLING</td>
<td>4.5&quot;</td>
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<tr>
<td>FLOW RATES</td>
<td>100 to 14,000 GPM</td>
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<tr>
<td>MAX HEAD</td>
<td>425'</td>
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</table>

MATERIALS OF CONSTRUCTION

• Chrome iron impeller, volute, wear plate, backplate and expeller
• Ductile iron suction cover, bracket and frame
• 4140 steel shaft
• 420 stainless steel shaft sleeve

SM SERIES FAMILY

1. 3412SM
2. 4616SM
3. 6820SM

SCAN THE CODE TO CHECK OUT MORE PUMPS FOR THE MINING INDUSTRY FROM CORNELL PUMP COMPANY.
## SM SERIES SLURRY PUMPS

**NO FLUSH WATER REQUIRED—MONEY SAVING DESIGN**

### 3412SM
- Flow rates from 140 to 1575 GPM (31.8 to 357.7 m³/h)
- Pressure to 600 PSI (4,137 kPa)
- 71% efficient at Best Efficiency Point

### 4616SM
- Flow rates from 400 to 3200 GPM (90.9 to 727 m³/h)
- Pressure to 600 PSI (4,137 kPa)
- 66% efficient at Best Efficiency Point

### 6820SM
- Flow rates from 600 to 5200 GPM (136.3 to 1,181 m³/h)
- Pressure to 600 PSI (4,137 kPa)
- 74% efficient at Best Efficiency Point
MARKET AND PRODUCT LINE

AGRICULTURAL | FOOD PROCESS | INDUSTRIAL | MINE DEWATERING | MUNICIPAL | REFRIGERATION | OIL & GAS | CYCLOSEAL®

CHOPPER | CUTTER | EDGE™ | HYDRAULIC SUBS | HYDRO TURBINE | IMMERSIBLE | MANURE | MP SERIES

MX SERIES | MX MINING | REDI-PRIME® | SELF PRIMING | SLURRY | SUBMERSIBLE | WATER TRANSFER | V SERIES

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; 701,979 and are the subject of pending U.S. and foreign patent applications.