



Elevate your pumping efficiency with Cornell's Expanded SM Line, engineered for durability and performance in the most challenging slurry applications. Not an imitation—a true original from Cornell.



CORNELL'S EXPANDED SM LINE: COMPLETE PUMP SERIES FOR ABRASIVE AND AGGRESSIVE SLURRIES

KEY FEATURES

Size Range: 2" to 10"

Compatibility: Designed to be dimensionally and hydraulically interchangeable with industry competitors for quick replacement.

INNOVATIVE SEALING SOLUTIONS

FLUSH-FREE SEALING: OPTIONS INCLUDE:

Mechanical Seal with Cycloseal: Protects seal area from grit and abrasives, extending life and minimizing maintenance.

Expeller Seal with packing: Simple and rugged design suitable for most applications.

DURABILITY AND MAINTENANCE

Externally Adjustable Wear Plate: Facilitates easy maintenance and adjustment.

Cornell Run-Dry™ System: Safeguards the pump during dry operation, preventing damage from loss of prime.

Redi-Prime® System: Enables automatic priming of slurries from sumps.

PERFORMANCE METRICS

Discharge Size Range: 2" to 10"

Maximum Solids Handling: Up to 3"

Flow Rates: From 125 to 13,000 GPM

Maximum Head: Up to 425'

ADVANCED DESIGN

High Chrome White Iron Construction: Heat treated to a greater than 600 Brinell Hardness for maximum abrasion resistance.

Wear Resistant Design: Designed with extra thick castings to provide exceptional Wear life

Material Excellence: Standard materials acceptable for pH 4-12 and high chloride applications.

Robust Bearing Frame Design: Ensures stability and longevity.

Flexible Lubrication Options: Grease or oil lubrication available for bearing frames, with high-capacity bearings to support demanding applications.

Positioning: Infinitely variable volute and discharge position.

Ease of Maintenance: Axially adjustable suction wear plate=no frame adjustment needed or realignment of belts/piping.

PERFORMANCE SPECIFICATIONS

Pressure Rating: Up to 600 PSI.

Ideal for Series/Multistage Applications: Capable of handling high solids concentrations at high case pressures.

NEW MODELS

Models 81027SM and 101232SM: Enhanced capabilities for high flow applications.