

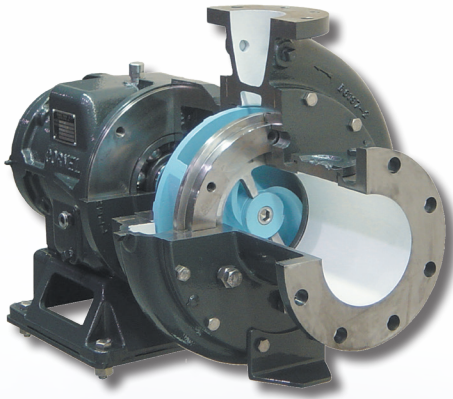
CORNELL PUMP COMPANY

CHOPPER PUMP

WITH REPLACEABLE CUTTER BARS



CHOPPER PUMP SERIES



THE CORNELL CHOPPER PUMP

Cornell's Chopper pump is designed for chopping solids effectively. It comes with a standard ASTM A536 grade 65-45-12 ductile iron casing, a replaceable cutter bar made of T1 tool steel with a minimum 600 Brinell hardness, and a heat-treated cast steel impeller. The pump features back-to-back angular contact ball thrust bearings and single-ball radial bearings for smooth operation and is equipped with a John Crane type 2 tungsten carbide single mechanical seal. This heavy-duty pump is built to last.



CHOPPER FEATURES

- Heavy-duty construction
- A variety of Mounting Configurations
- Frame mounted or close coupled configurations
- Vertical and horizontal configurations
- Cornell Cycloseal® with long-life mechanical seal



CHOPPER BENEFITS

- Eliminates the vast majority of clogging problems
- Chops solids up to 2"
- No seal flush system necessary
- Efficiency to 65%
- TDH up to 250'
- Operating speeds to 2200 RPM



TYPICAL APPLICATIONS

- Lift Stations
- Septage Receiving
- Sludge Transfer and Recirculation
- Digester Scum Blankets
- Clarifier Scum



CHOPPER PUMP SERIES

THE CORNELL ADVANTAGE

The Cornell chopper pumps offer several benefits, including the Cycloseal flush system that eliminates the need for costly flush piping systems and wasted flush water. These pumps are built to last and require minimal maintenance, with various mounting configurations available to suit your application needs. Standard

construction features a ductile iron case, replaceable cutter bars made of T1 tool steel, and a heat-treated cast alloy impeller with a minimum 600 Brinell hardness. The pumps include a stainless steel shaft sleeve and a John Crane Type 2 tungsten carbide vs. silicon carbide mechanical seal.

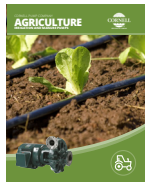


Chopper pump operating at a treatment plant.



MODEL	DISCHARGE	SUCTION	CAPACITY	HEAD (TDH)
4NC	4"	6"	UP TO 1,300 GPM	UP TO 250'
6NC	6"	8"	UP TO 2,400 GPM	UP TO 250'

CORNELL PUMP COMPANY MARKET & PRODUCT LINE



AGRICULTURE



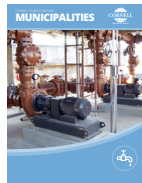
FOOD PROCESS



INDUSTRIAL



MINING



MUNICIPAL



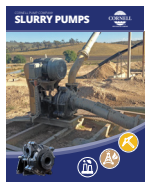
WATER
TRANSFER



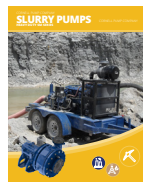
REFRIGERATION



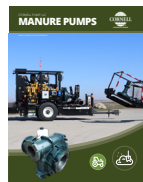
CONSTRUCTION



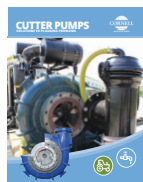
SLURRY



SLURRY SM



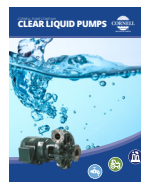
MANURE



CUTTERS



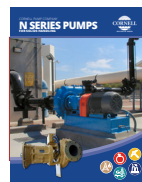
SELF PRIMING



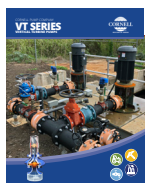
CLEAR LIQUIDS



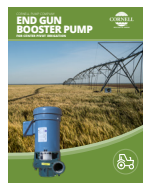
MX SERIES



N SERIES



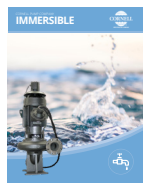
CYCLONE™



EDGE™



HYDRAULIC
SUBS



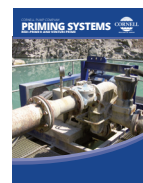
IMMERSIBLE



CD4MCU



RUN-DRY™



PRIMING
SYSTEMS



CYCLOSEAL®

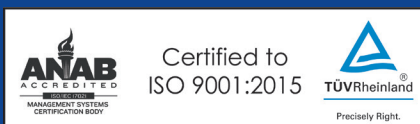
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Cornell pumps and products are the subject of one or more of the following U.S. and foreign patents:

6,074,554; 6,036,434; 6,079,958; 6,309,169; 6,104,949.

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