

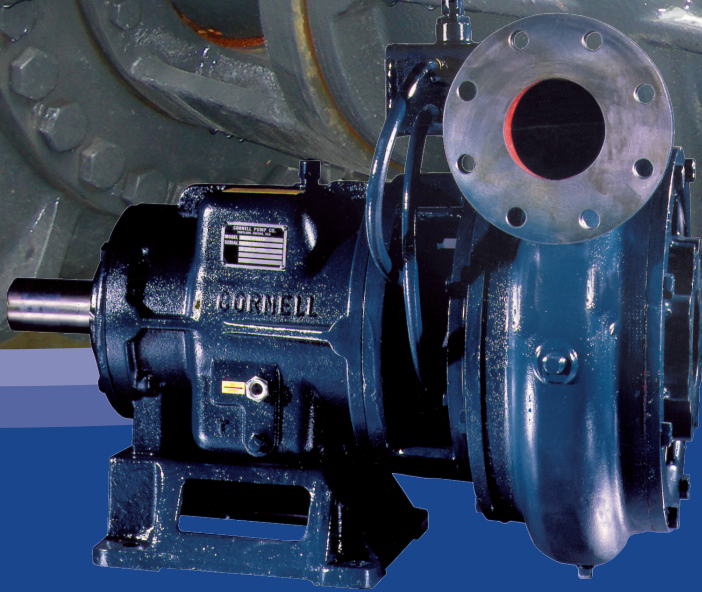
CORNELL PUMP COMPANY

CD4MCU

FOR CORROSIVE & ABRASIVE APPLICATIONS



CD4MCu PUMPS
IN STOCK
AND READY TO SHIP



CD4MCu



WHY CD4MCu

CD4MCu is duplex stainless steel that uses a two-phase metallurgy process, different from the single-phase metallurgy process found in common stainless steel grades like 316. This process combines the corrosion resistance of 300-series stainless steel with the strength and hardness of 400-series stainless steel. This results in stainless steel with equivalent or superior corrosion resistance to 316 SS but with twice the yield strength. CD4MCu allows pumps to be used in more abrasive applications with enhanced resistance to corrosive cracking and pitting. Cornell has made CD4MCu castings available in-store for 23 of its most popular pump models, which reduces production time. Cornell can expedite build of CD4MCu pumps with stock components.

CD4MCu BENEFITS

- Corrosion and pitting resistance
- Higher strength than standard grades of stainless steel
- Improved ductility and weldability
- Better resistance to embrittlement

CORNELL PUMP BENEFITS

- Fully automated priming and self-priming, dry-run pumps
- Handles air/liquid mixtures with ease
- Patented Cycloseal®, Redi-Prime®, and Run-Dry™ options
- Cornell Competitive Advantage: Patented Engineering Features

FEATURES



CLEAN STEEL



BRINELL HARDNESS
UP TO 285



INDUSTRY LEADING
TWO YEAR WARRANTY

PUMP MODELS AVAILABLE IN STOCK

2.5H-F16	4NNT-F16	6NHTB19-F18DB, 300#	3410HZX
3HC-F16	4414T-F18DB	Discharge Flange	81017ZX
2415MX-F18DB	4817T-F18DB	8NNT-F18DB	4617ZX
3419MX-F18DB	4NHTB19-F18DB, 300#	8NHTA-F18DB	3408ZX
3617MX-F18DB	Discharge Flange	8NHG19-F18DB	4613ZX
4622MX-F18DB	6NNT-F16	8NHTH-F18DB	81015ZX
6822MX-F18DB	6612T-F16	10NNT-F18DB	81013ZX
81024MX-	6NHTA-F18DB	3413ZX	6815ZX
F12DB4NNTL-F5	6NHTB-F18DB	2313ZX	6813ZX

RB SERIES COMING SOON!

APPLICATIONS



FOOD
PROCESSING



MINING



INDUSTRIAL
PROCESS



MARINE



BRACKISH
WATER



DEIONIZED
WATER



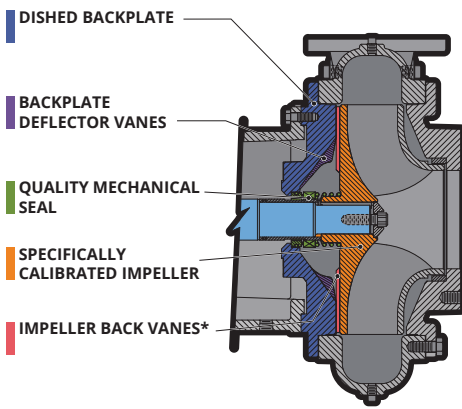
FERTILIZER



OIL/GAS

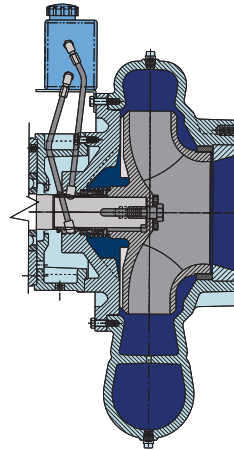
CORNELL CD4MCU AVAILABLE WITH NEW AGGRESSIVE PRICING AND SHORT LEAD TIMES

OPTIONS



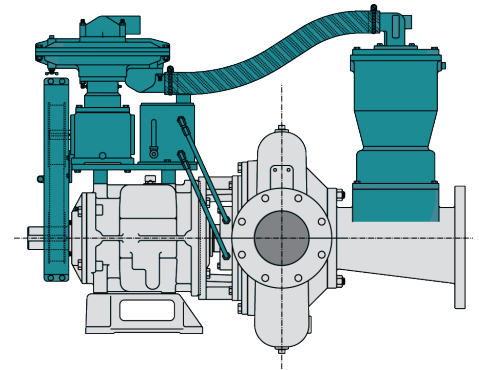
CYCLOSEAL®

Cornell's Cycloseal is an ideal solution for water and wastewater applications. This patented technology is a self-contained single mechanical seal with a dished backplate, eliminating the need for an external flushing system or water flush line. The configuration includes stationary deflector vanes, contoured impeller back vanes, and a dished backplate that create pressure gradients, moving solids and vapor away from the seal faces. Cycloseal can last up to ten times longer than a typical mechanical seal.



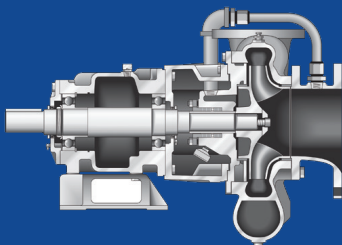
RUN-DRY™

Cornell has developed the Run-Dry system to prevent pump damage during dry operating conditions. This system features an auxiliary gland and oil reservoir that keeps seal faces lubricated during priming, re-priming, or standby operation. The gland is connected to a lubricant reservoir, allowing continuous circulation and cooling of the lubricant and seal faces. The Run-Dry system is ideal for applications where dry operation is possible.

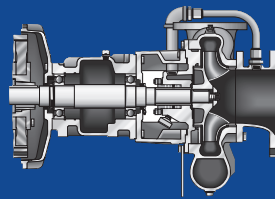


REDI-PRIME®

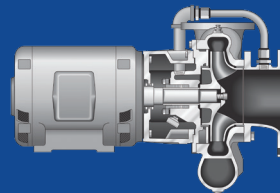
Cornell's Redi-Prime pumps have oversized suctions that increase flow, decrease friction losses, and enhance suction lift. The priming system is environmentally friendly, featuring a positive sealing float box and a diaphragm vacuum pump that prevents water carry-over and contamination. The Redi-Prime system can be easily installed on most Cornell pumps, providing suction lifts of up to 28 feet, heads up to 800 feet, and flow rates surpassing 20,000 GPM.



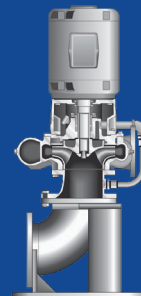
F
Frame Mount



EM
Engine Mount



CC
Close-Coupled



VM/VC/VF
Close Coupled
Coupled
Frame Mount

MOUNTING CONFIGURATIONS

Cornell offers a variety of mounting configurations for its irrigation pumps, catering to different needs. These include horizontal and vertical close-coupled pumps, vertical and horizontal frame-mounted pumps, and pumps that can be mounted directly to an engine using an SAE bell housing.



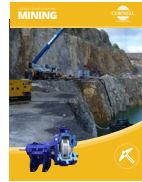
AGRICULTURE



FOOD PROCESS



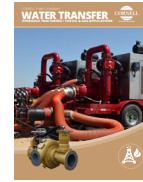
INDUSTRIAL



MINING



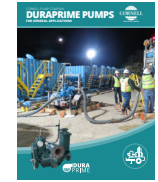
MUNICIPAL



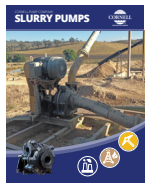
WATER TRANSFER



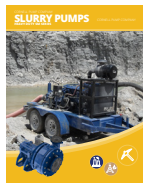
REFRIGERATION



CONSTRUCTION



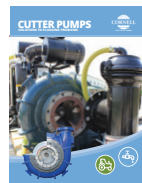
SLURRY



SLURRY SM



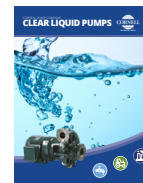
MANURE



CUTTERS



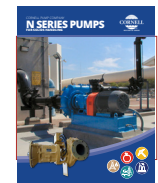
SELF PRIMING



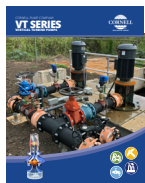
CLEAR LIQUIDS



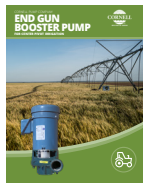
MX SERIES



N SERIES



CYCLONE™



EDGE™



HYDRAULIC SUBS



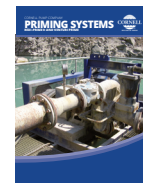
IMMERSIBLE



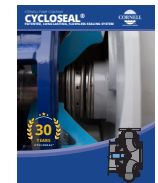
CD4MCU



RUN-DRY™



PRIMING SYSTEMS



CYCLOSEAL®

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:

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

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