

CORNELL PUMP COMPANY

PRIMING SYSTEMS

REDI-PRIME® AND VENTURI PRIME



VENTURI PRIME SYSTEM

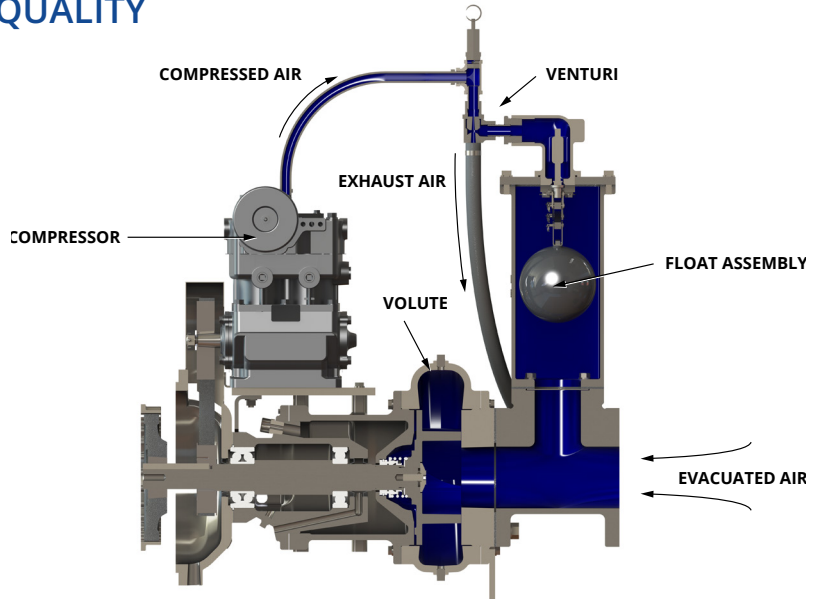
VALUE PRIMING OPTION + CORNELL QUALITY

The Cornell Venturi Prime system relies on a compressor driven by the pump shaft and lubricated by engine oil to blow air through the venturi and evacuate it from the suction line and pump casing. The venturi prime is economical and compatible with any Cornell Pump where Redi-Prime® is an option.

The Venturi Prime system is slower to prime than Redi-Prime, has superior performance in freezing temperatures, and can be tailored to the application. The Venturi Prime air compressor requires an external source for coolant and lubrication supplies, usually from the engine. Cornell's Venturi Prime system provides an excellent solution where cost is key, but quality is essential.

VENTURI PRIME BENEFITS

- Fully automatic priming and repriming
- Primes with reasonable speed
- Does not impede solids handling of the pump
- Can operate unattended
- Patented Cycloseal® and Run-Dry™ options
- No change in suction lift capacity and flow rates
- Available with manual valve for operation in colder climates



COMPARE REDI-PRIME® AND VENTURI-PRIME

| SYSTEM | PRIMING SPEED | OPERATING TEMPERATURE | COST | CARRY-OVER CONTAINMENT |
|---------------|------------------|-----------------------|------|------------------------|
| Redi-Prime® | Up to 50 CFM | | | Excellent |
| Venturi Prime | Less than 20 CFM | | | Fair |

REDI-PRIME® SYSTEM

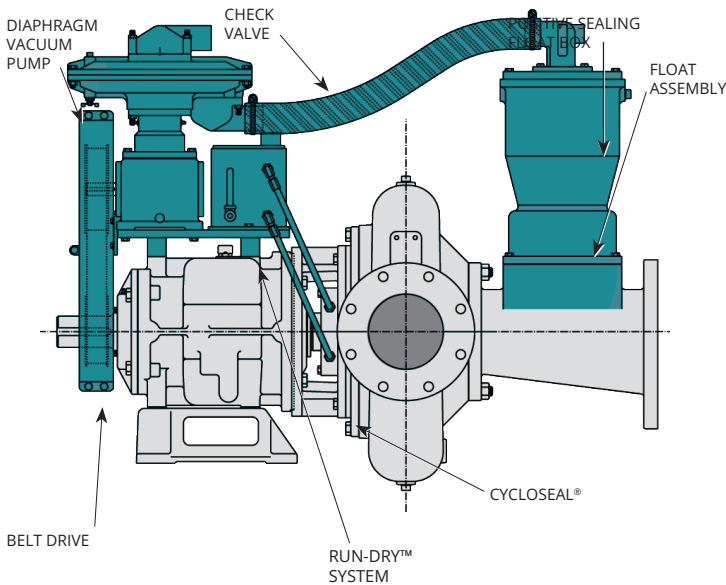
REDI-PRIME® SYSTEM OVERVIEW

Cornell's Redi-Prime® pumps are designed and engineered for the most rugged and demanding industries - construction, industrial, rental, and municipal. With over 70 years of proven experience and reliability, Cornell Pump Company has established the highest industry standard for premium quality and rugged performance. An industry-leading two-year warranty backs our pumps.

The Redi-Prime system uses a positive-sealing float box and a diaphragm vacuum pump to provide fully automatic priming and re-priming of the pump. There is no water carry-over to contaminate the environment, and Redi-Prime is compatible with most Cornell pump models.

REDI-PRIME® BENEFITS

- Fully automatic-priming and repriming
- Handles air/liquid mixtures with ease
- Rapidly primes and re-priming completely unattended
- Environmentally safe priming system designed to prevent product leakage
- Patented Cycloseal® and Run-Dry™ options
- Does not impede solids handling of pump
- No change in suction lift capacity and flow rates
- Check valve eliminates any liquid carry over

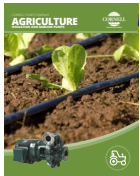


WET PRIMING WITH OUR STX, STL, AND STH PUMPS

WET PRIMING—another method to prime a pump. Cornell's innovative wet priming system creates a partial vacuum within the pump; allowing the fluid to be discharged, while evacuating air in the system. Liquid is required to be filled into the pump on initial use — once filled, the design retains fluid in parts of the pump chamber and the pump will reprime. Learn more about them under the self-priming tab at www.cornellpump.com

CORNELL PUMP COMPANY

MARKET & PRODUCT LINE



AGRICULTURE



FOOD PROCESS



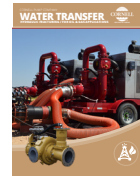
INDUSTRIAL



MINING



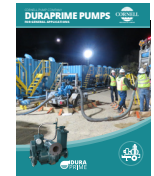
MUNICIPAL



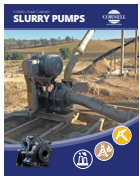
WATER
TRANSFER



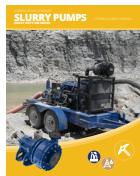
REFRIGERATION



CONSTRUCTION



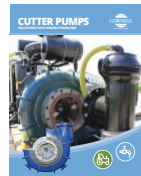
SLURRY



SLURRY SM



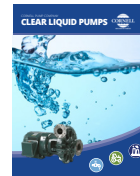
MANURE



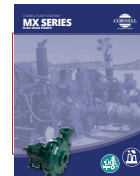
CUTTERS



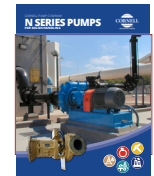
SELF PRIMING



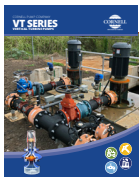
CLEAR LIQUIDS



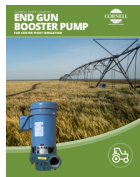
MX SERIES



N SERIES



CYCLONE™



EDGE™



HYDRAULIC
SUBS



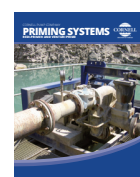
IMMERSIBLE



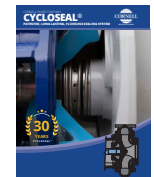
CD4MCU



RUN-DRY™



PRIMING
SYSTEMS



CYCLOSEAL®

Cycloseal® and Redi-Prime® are Registered Trademarks of Cornell Pump Company.

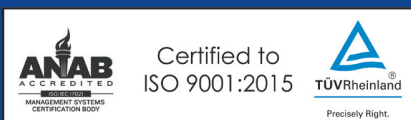
Cornell pumps and products are the subject of one or more of the following U.S. and foreign patents:

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

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