



CORNELL PUMP COMPANY

# PRIMING SYSTEMS

REDI-PRIME® AND VENTURI PRIME



EFFICIENT BY DESIGN



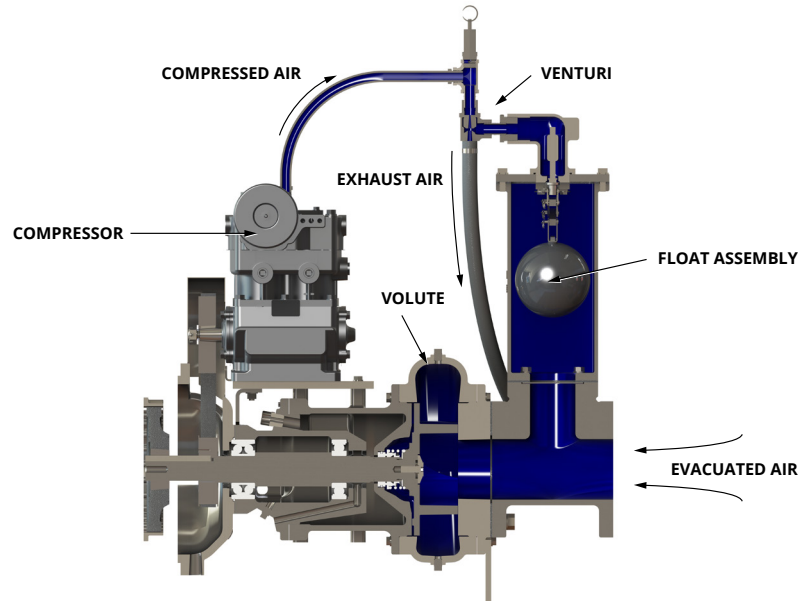


# VENTURI PRIME SYSTEM

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 an economical design and is compatible with any Cornell Pump where Redi-Prime® is an option.

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



## COMPARE REDI-PRIME® AND VENTURI-PRIME

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

### VENTURI PRIME BENEFITS

- Fully automatic priming and repriming
- Primes with reasonable speed
- Does not impede solids handling of 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

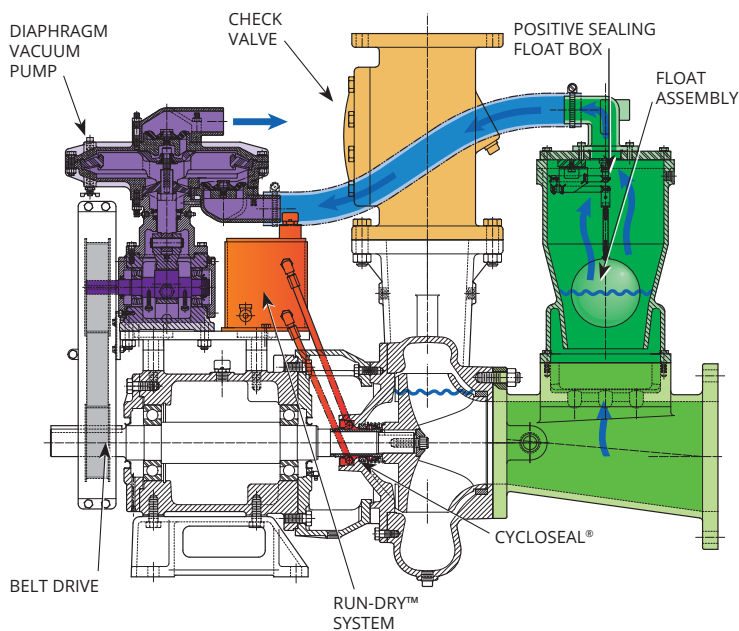


# REDI-PRIME® SYSTEM

## REDI-PRIME® SYSTEM OVERVIEW



FASTEST  
PRIMING!



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. Our pumps are backed by an industry-leading two-year warranty.

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 absolutely 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

Cornell Pump Company offers wet priming with our STX/STH/STL self-priming series. Learn more about them at [www.cornellpump.com](http://www.cornellpump.com).

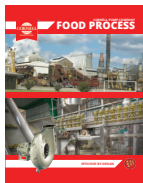




# MARKET AND PRODUCT LINE



AGRICULTURAL



FOOD PROCESS



INDUSTRIAL



MINE DEWATERING



MUNICIPAL



REFRIGERATION



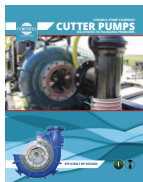
OIL & GAS



CYCLOSEAL®



CHOPPER



CUTTER



EDGE™



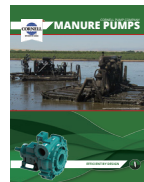
HYDRAULIC SUBS



HYDRO TURBINE



IMMERSIBLE



MANURE



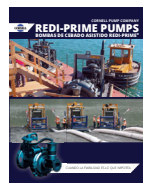
MP SERIES



MX SERIES



MX MINING



REDI-PRIME®



SELF PRIMING



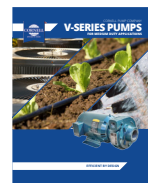
SLURRY



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; 2,320,742; 96/8140; 319,837; 918,534; 1,224,969; 2,232,735; 701,979 and are the subject of pending U.S. and foreign patent applications.

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