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

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>PRIMING SPEED</th>
<th>OPERATING TEMPERATURE</th>
<th>COST</th>
<th>CARRY-OVER CONTAINMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Redi-Prime®</td>
<td>Up to 50 CFM</td>
<td></td>
<td></td>
<td>Excellent</td>
</tr>
<tr>
<td>Venturi Prime</td>
<td>Less than 20 CFM</td>
<td></td>
<td></td>
<td>Fair</td>
</tr>
</tbody>
</table>

### 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
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 prunes and re-primes 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**

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.

**CORNELLPUMP.COM**

©2016 CORNELL PUMP COMPANY

Cornell Pump Company
Clackamas, Oregon, USA
P: +1 (503) 653-0330
F: +1 (503) 653-0338

**AUTHORIZED CORNELL PUMP DISTRIBUTOR**