

Cornell's Redi-Prime range offers several major advantages over conventional vacuum prime pumps. Ranging in size from 100mm to 600mm discharge (4" to 24") with operating heads in excess of 150m.

Cornell Redi-Primes feature an extremely robust and simple vacuum priming arrangement based around an integral 50 cfm diaphragm vacuum pump. The diaphragm pump evacuates air via a positive sealing float box on the pump suction which prevents any water carry over into the priming system.

Specifically designed for well point mine and site dewatering. However, the extremely high hydraulic efficiencies that reach well into the 80%, make the range ideal for many permanent installations.

Cornell's patented Run-dry Cycloseal® is fitted as standard on all Redi-Prime units. This seal arrangement uses a combination of deflector vanes within the seal chamber and impeller back vanes to create multiple vortexes around the seal area which keep abrasive particles and air away from seal faces. The combination of the Cycloseal® and the suction float box arrangement enables the pumps to run on "snore" indefinitely.

Flows: 10,000m³ an hour
Heads: to 150m



FEATURES / BENEFITS

- Fully automatic self-priming, dry prime pump
- Able to reach high heads to 150 metres
- Handles air/liquid mixtures with ease
- Rapidly primes and re-primers completely unattended
- Environmentally safe priming system designed to prevent product leakage
- Patented run-dry Cycloseal® system
- Handles large size solids
- High suction lift capability up to 25ft
- Premium hydraulic efficiency to reduce fuel/power consumption
- Ideal for pontoon mounting

APPLICATIONS

- Construction
- Mining
- Hire Industries