

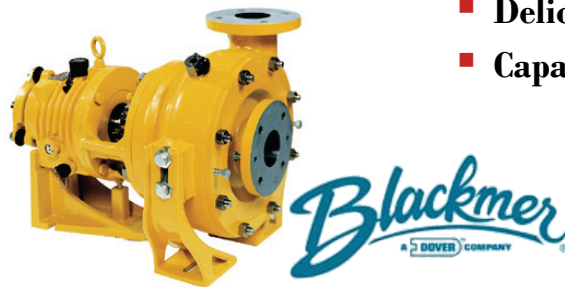
Replacing Progressive Cavity Pumps

Our Customer's Challenge

A large scale municipal waste water treatment facility in Western NY State had an installed base of progressive cavity pumps for delivery sludge to the filter press. These pumps required constant maintenance and replacement parts and on an annual basis rivaled the cost of a new pump.

CPE's Solutions

Blackmer's recessed impeller "Vortex" pumps are designed to operate reliably in severe duty applications. A total of 15 progressive cavity pumps were removed and replaced with the Blackmer pumps, the proven service life of the mechanically sealed vortex design justified the cost of replacing the former pumps in less than 2 years. The pumps were fitted with a heavy duty A.W. Chesterton single mechanical seal.



Date Installed: 1990

Model Type: 3x3 System One Vortex

Units Purchased: 17, 15 installed

Construction: Ductile Iron

Conditions: \approx 330 gpm @ 45 Ft.

Seal Type: Single TC / TC

Applications: Sludge and Grit

Service Life: 20+ years



System One ® Heavy Duty Vortex Pumps

SOLIDS HANDLING PUMP FOR:

- Sewage
- Sludge and Solids
- Liquids with Entrained Air
- Stringy or Fibrous Materials
- Delicate Materials
- Capacities to 1,500gpm