

# VORTEX TYPE PUMP

The vortex created by the spinning impeller does the pumping with less than 20% of the media actually contacting the impeller.

Abrasive wear is minimized and solids integrity is maintained. Precision-cast impellers ensure peak energy efficiency and low NPSH requirements. Rear pump out vanes are used as necessary to ensure low, positive seal chamber pressure and to expel solids from the seal area, thus maximizing mechanical seal and packing life. The impeller is set to the rear cover plate just like the standard reverse vane impeller.



# CASING DYNAMICS

The cylindrical volute design combined with the impeller spinning “out of the flow” minimize radial loads on the impeller. The result is longer seal life as well as maximized radial bearing life. The circular flow path and tangential discharge also contribute to maximum pump life.

## APPLICATIONS

- Abrasive Waste Water
- Biological Sludge
- Clarifier Underflow
- 5% Coke Slurry
- Diatomaceous Earth Slurry
- Flocculant Sludge
- Latex
- Lime Mud Slurry
- Organic Slurry
- Polymer Slurry
- Resin Slurry
- Rubber Crumb Slurry
- Sodium Hydroxide
- Catalyst Slurry