Impact™
WASTEWATER PUMP SERIES
The clear choice for high-efficiency performance.
The new impact series of high-efficiency submersible wastewater pumps.

The most efficient system in the market. Our unique, self-cleaning impeller and casing are specifically configured to process solids more easily and reduce clogging. The pumps consume less energy and hold up longer, even in high demand conditions.

Reduced maintenance. Better processing of solids means less clogging, reducing costly maintenance activities. Minimized costly downtime allows for better use of your maintenance resources.

Greater durability for lower operating costs. The air-filled motor, dual mechanical seal and specially designed seal chamber improve overall pump efficiency and durability. This means less wear over longer periods of time, reducing overall energy costs. The seals also last longer, with better leak detection, and feature hard faces that endure abrasive conditions found in wastewater applications.

Impact Pumps are designed for use anywhere waste or drainage must be disposed of quickly, quietly and efficiently.

- Commercial/building services applications
- Sewage systems
- Dewatering/effluent
- Water transfer
- Light industrial and agriculture applications

1. Air filled motor
   - Efficient dissipation of heat
   - Improves overall pump efficiency

2. Seal protection chamber
   - Specially designed seal chamber protects outer mechanical seal from debris and abrasives

3. Self-cleaning non-clog impact impeller
   - Clog resistance without need of large through let with the benefit of high hydraulic efficiency
   - Highest efficiency available to the market

4. Special self cleaning volute
   - Provides self cleaning flow path, thus reducing the risk of clogging

5. Seals
   - Dual mechanical seal
   - Outer seal with hard faces results in extended mechanical seal life

6. Seal failure detection
   - Unique float in motor chamber to detect seal failure without false alarms

MK self-cleaning hydraulics
Self-cleaning maintains a high level of efficiency, even in fluids with a high solids and fibrous content.

MV Vortex hydraulics
Self-cleaning hydraulics
In low volume a vortex impeller is the better choice. A vortex impeller is also suitable in media which contain sand and other abrasive solids.
The Impact impeller reduces clogging, eliminating build-up and efficiency loss.

The leading edge on most impellers is axial, the ideal shape for wastewater containing debris and other long stringy material to wrap around. The Impact impeller maintains pumping efficiency over longer periods of time due to its unique swept-back leading edge design and self cleaning volute.

The self cleaning volute design helps material pass through. Debris gets fed into the volute as the impeller turns, pulling them from the impeller and forcing them into the volute where they get pumped away.

This new pump design has undergone extensive testing, showing considerably lower energy consumption, fewer running problems and operating at efficiencies which exceed market standards by 10-15 percentage points.

Performance ranges

6MK
- Capacities: up to 2200 GPM
- Total heads: up to 90' TDH
- Discharge size: 6" Flange

4MK/MV
- Capacities: up to 1100 GPM
- Total heads: up to 75' TDH
- Discharge size: 4" ANSI Flange

3MK/MV
- Capacities: up to 575 GPM
- Total heads: up to 152' TDH
- Discharge size: 3" ANSI Flange

2MK/MV
- Capacities: up to 275 GPM
- Total heads: up to 82' TDH
- Discharge size: 2" NPT
The right choice for high-efficiency performance.

Commercial kitchen area - sinks, dishwashers, faucets, ice makers

Private usage areas - water closets, lavatories, showers, bathtubs, sinks, dishwasher

Public use areas - water closets, urinals, lavatories, showers, water cooler

Housekeeping - sinks, clothes washer

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