YEOMANS®

SUBMERSIBLE SOLIDS-HANDLING WASTEWATER PUMPS

SERIES 9100 - SUBMERSIBLE NON-CLOG PUMPS
SERIES 9235 - DRY-PIT SUBMERSIBLE NON-CLOG PUMPS
SERIES 9500 - STAINLESS STEEL SUBMERSIBLE NON-CLOG PUMPS

Made in the U.S.A.
YEOMANS® PUMP ...... The Standard of Excellence NOW and in the Future

For well over 100 years, YEOMANS PUMP has been a name and product synonymous with quality and reliability. From our ISO9001 certified facilities in Aurora, Illinois, we serve a worldwide customer base of discerning pump system designers and end-users.

Yeomans Submersible Solids Handling Pumps have an established reputation of efficiency, long life and reliable operation. The quality features essential for forming this reputation are inherent to the basic design of each YEOMANS pump. For example:

- The non-wicking cable entry provides positive protection against moisture penetration.
- The motor is a dry-running self-cooled type with a non-hygroscopic Class F (155° C) insulation system rated for continuous duty in 40° C ambient liquid with a 1.15 S.F.
- Each motor is fully factory tested prior to shipment to guarantee operation within NEMA standards on routine tests.
- Standard high reliability moisture detection system and stator thermal protection fully protects the motor.
- The wound stator core is press fit into a cast iron housing for true and positive alignment as well as efficient heat transfer.
- Terminal board wiring connections for improved inspection and maintenance.
- The radial and thrust bearings are permanently lubricated.
- One-piece solid stainless steel dynamically balanced rotor/pump shaft assembly with short shaft overhang - specifically designed for submersible pump application.
- Mechanical seals are standard "Type 21" design for low replacement cost.
- Standard silicon carbide seals provide high resistance to abrasion and corrosion over a wide range of temperature extremes.
- Patented closed-loop-cooled ("CLC") motor for dry-pit units (Series 9235) for continuous operation in non-submerged or flooded conditions.

A few common installations and applications:

- Collection Systems
- Sewage Lift Stations
- Industrial Wastewater
- Treatment Plants
- Industrial Process
- Commercial Buildings
- Dewatering
- Recreational Facilities
- Manure and Farm Waste
- Animal Processing

For pumping:

- Raw Water
- Wastewater
- Raw Sewage
- Light Slurries and Sludge
- Storm Water
- Oily Water
- Drainage and Leachate
- Hydrocarbons
- Acidic and Caustic Liquids
- Process Waste
SERIES 9100
SUBMERSIBLE NON-CLOG PUMPS

RANGE CHARTS
SERIES 9100
SUBMERSIBLE NON-CLOG PUMPS

FEATURES

1 - Type SEOW-A power and control cable resists rough handling and abrasion. U.L. Listed and rated for 105° C.

2 - Rigid lifting handle (not illustrated).

3 - Expansion area for bearings provides clearance for Rotor/Pump shaft expansion.

4 - Heavy-duty radial bearing.

5 - Integral cast iron finned housing for maximum heat dissipation.

6 - Thermal overload protection standard.

7 - Heavy-duty thrust bearing; locked to prevent axial movement.

8 - Registered machine fits and positive sealing O-ring seals at all joints; easy replacement.

9 - Two-wire / two-probe moisture detection system insures a positive current path to and from probes; eliminates false alarms.

10 - Sealed oil chamber does not require constant monitoring of oil level.

11 - Abrasion resistant radial wear ring is standard on Model 6123 and smaller. Hardened SS Wear Rings optional on all models.

12 - Stainless steel fasteners provided throughout assembly.

13 - Large Cap/Cable Chamber with Terminal Board for lead connections.

14 - Neoprene grommet and complete epoxy encapsulation provide for a true non-wicking cable entry. An isolating cable chamber is not needed.

15 - One-piece solid stainless steel shaft.

16 - Tandem (dual) Shaft Seal System recessed out of the flow path.

17 - Non-clog impeller with large flow paths, designed for high efficiencies, trimmed and balanced to meet your specific hydraulic conditions.
SERIES 9235
DRY-PIT SUBMERSIBLE NON-CLOG PUMPS

The patented "CLC" closed-loop cooled dry-pit submersible motor...

- Eliminates the need for external connection of cooling water or other fluids

- Does not utilize by-pass circulation of sewage water for cooling, unlike "sewage cooled" designs

- Eliminates the need for periodic flushing and steam-cleaning commonly associated with "sewage cooled" designs

- Eliminates motor overheating and premature insulation failure due to clogging and grease build-up in the cooling passages

- Motor stator housing is one integral casting. There are no bolted-on jackets or external seals to corrode, wear or leak. Casting is of heavy cast iron throughout

- Incorporates the same "construction features" as the Series 9100 for bearing design, shaft strength, mechanical seal system and cap/cable system
SERIES 9500
STAINLESS STEEL SUBMERSIBLE
NON-CLOG PUMPS

- 316 SS construction standard for high corrosion resistance
- Optional CD4MCu (Duplex SS) pump-end construction for high abrasion and corrosion resistance
- Other corrosion and wear resistant alloys available
- Optional high-temperature construction available; suitable for 90° C ambient
Accessories and Controls.....

The Easy-Lift™ system provides safe, quick and effective pump installation and removal!!

YEOMANS supplies a wide range of controls and accessories to provide you with system integrity and "single-source" responsibility!!