HEAVY-DUTY SUBMERSIBLE DEWATERING PUMP

FEATURES

- CD4MCu material assures long life of impeller, wear plate and casing.
- Dual seals of Silicon Carbide vs. Silicon Carbide Seals run in bath of barrier fluid which removes the need for flush water.
- Inverter-duty, air-filled, copper-wound motor (TENV) for use on VFD’s.
- Class H insulation.
- Extended run dry capabilities when sized appropriately for the application.
- Seal relief port decreases pressure exposed to seal.
- Large Diameter shafts to increase seal and bearing life with minimal deflection.
- Maximum material thickness of liquid end parts to maximize service life.

SPECIFICATIONS

- Horsepower: 5 - 800 HP
  - 2” – 18”
- Discharge Size: 50 – 15,000 US GPM
  - 10” – 320’ TH
  - 1/2”
- Performance Range: TENV Air-Filled / 900 to 1800 RPM / 60 HZ
- Max Particle Size: 480, 575 V / 3 Phase
- Motor Nomenclature: 1.15
  - Voltage / Phase: Class H
  - Insulation: Synchronous Speed or V.F.D.
- Cable Length: 33’ (Length option available)
- Maximum Water Temperature: 180° F
- Operation Mode: Synchronous Speed or V.F.D.

MATERIALS OF CONSTRUCTION

- Casing: CD4MCu or Cast Iron
- Impeller: CD4MCu or Cast Iron
- Wear Plate: 416 Stainless Steel
- Shaft: Cast Iron
- Motor Housing: 18-8 Stainless Steel
- Fasteners: Keyed Semi-Open, Full Vane

MECHANICAL SEAL

- Upper Seat: Silicon Carbide
- Elastomers: Viton
- Labyrinth Seal: Stainless Steel/Cast Steel
- Lubrication: Mobil Synturion 6

BEARINGS

- Thrust: Double Angular Contact
- Radial: Deep Groove Ball Bearing
- Lubrication: Permanently Lubricated with Mobilgrease XHP 222

ACCESSORIES

- Discharge Hose / Variable Speed Drives / Control Panels
- Moisture and Thermal Protection / Rafts / Dewatering Frames

Built to be a heavy-duty dewatering pump with the ability to handle up to 10% solids.