

SP3 - SUBMERSIBLE PUMP

For pumping large volumes of water in sewer bypass, water transfer, bulk dewatering, or other dewatering applications.

Stormtec offers a submersible pump application to move large volumes of sewage, liquids, and sludge up to 1/4-inch in diameter. Our submersible pumps are available with a full range of accessories, and the system can stand alone or be used in combination with additional equipment.

Stormtec submersible pumps include increased wear resistance from abrasive particles with advanced impeller designs. Double inside mechanical seals with silicon carbide faces are further protected with an oil-filled chamber and 420 stainless steel shaft sleeve and impellor hub for added durability.

FEATURES

- Complete electrical package. (ie: distribution panel, floats, cable)
- Aluminum outlet camlocks.
- Corrosion resistant.
- System can stand alone or be used in combination with additional filtration equipment.

MATERIAL SPECIFICATIONS

| | |
|-------------|----------------------------|
| MODEL | SP3 |
| MAX FLOW | 132 GPM (8.4 L/s) |
| CONNECTIONS | 3" |
| MAX HEAD | 85 FT (25.75m) |
| POWER | 220V/12.2A |
| APPLICATION | Water Transfer, Dewatering |





NK - SERIES
SEMI-VORTEX - DEWATERING PUMP

SPECIFICATIONS

FEATURES

1. Double inside mechanical seals with silicon carbide faces, running in an oil filled chamber and further protected by a lip seal running against a replaceable, stainless steel shaft sleeve provides for the most durable seal design available.
2. Highly efficient, continuous duty, air filled, copper wound motor with class B insulation minimizes the cost of operation.
3. Built in thermal & amperage sensing protector prevents motor failure due to over loading or accidental run dry conditions.
4. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60,000 hours extend operational life.

5. Top discharge, flow-thru design enables operation at low water levels for extended periods.

Sand Kit : NK2-15SK / NK2-22SK
The Sand Kit can be added to the NK series to suspend sand and prevent sand lock.

APPLICATIONS

1. Residential, commercial, industrial wastewater and construction site drainage.
2. Effluent transfer.
3. Decorative waterfalls and fountains.
4. Raw water supply from rivers or lakes..



SPECIFICATIONS

- Discharge Size
- Horsepower Range
- Performance Range Capacity Head
- Maximum water temperature
- Materials of Construction
 - Casing
 - Impeller
 - Shaft
 - Motor Frame
 - Fasteners
- Mechanical Seal
 - Elastomers
- Impeller Type
- Solids Handling Capability
- Bearings
- Motor Nomenclature
 - Type, Speed, Hz.
 - Voltage, Phase
 - Insulation
- Accessories
- Operational Mode

STANDARD

- 3" NPT (80 mm)
- 2 ~ 3 HP. (1.5 ~ 2.2 kW)
- 55.5 ~ 211.0 GPM. (0.21 ~ 0.80 m³/min)
- 34.4 ~ 85.0 Ft. (10.50 ~ 25.91 m)
- 104° F. (40.0° C.)
- Butadiene Rubber + Natural Rubber , Cast Iron (NK2-22L)
- Ductile Cast Iron , High Chrome Cast Iron (NK2-22L , NK2-15SK/22SK)
- 420 , 403 Stainless Steel
- Aluminum alloy
- 304 Stainless Steel
- Silicon Carbide
- NBR (Nitril Butadiene Rubber)
- Semi-vortex, solids handling.
- 0.334" (8.5mm)
- Prelubricated, Double Shielded
- Air Filled, 3600 RPM, 60 Hz.
- 110/220 V., 1 Ph (NK2-15 Dual Voltage)
- Class B
- Submersible Power Cable 32' (10.0 m)
- Manual

OPTIONS

- Length as Required
- TS-301 Float Switch



NK - SERIES

SEMI-VORTEX - DEWATERING PUMPS

PERFORMANCE
CURVE

| MODEL | | BORE | HP | KW | RPM | SOLIDS DIA. | LIQUID | SG. | VISCOSITY | TEMP. |
|-----------------------------|------|---------|-----------|-------------|------|-----------------|--------|------------|-----------|-------|
| NK4-22 | | 3"/80mm | 3 | 2.2 | 3470 | 0.334"/8.5mm | Water | 1.0 | 1.123cSt. | 60°F |
| PUMP TYPE | | PHASE | VOLTAGE | AMPERAGE | HZ | STARTING METHOD | | INS. CLASS | | |
| Semi-Vortex Dewatering Pump | | 1 | 220 - 230 | 12.2 - 11.7 | 60 | Capacitor Start | | F | | |
| CURVE No. | DATE | PHASE | VOLTAGE | AMPERAGE | HZ | STARTING METHOD | | INS. CLASS | | |
| - | - | - | - | - | - | - | | - | | |

