

Since 1968[®]
U-Neel

Profitable Choice
Affordable Solution



Unnati Industrial Corporation



Innovative Solutions with Expertise in Pumping Technology

With a short span of time, we have gained monopoly in manufacturing, exporting & supplying quality range of industrial pumps. Our range is categorized into Dewatering Submersible Pumps, Heavy Duty Sewage Submersible Pumps, Light Duty Sewage Submersible Pumps, Slurry Submersible Pumps, Monoblock Pumps, Self Priming Mud Pumps & Curing Pumps. Further we are also involved in offering technically correct pumping solutions to our esteemed clients.

Our products are suitable for application in areas like; Power Station, Utility, Industries, Tunnels, Marine Duty, Caissons, Construction, Cement Plants, Steel Plants & Municipal Corporations. Our team of professionals implements procedures that improve our quality supervision beginning from raw material purchase through designing, manufacturing and delivery control. To maintain cordial relations with our clients, we provide after sales repairing services at site also. As per clients specifications, we also make custom design in our range of industrial pumps.

Simple Service

"U-Neel" Pumps are easy-to-install, offer long intervals between services and are designed with ease of maintenance in mind. Their modular construction simplifies separation of the principal components and all stainless steel fastenings are the same size. This allows one tool to complete the operation. Seals, impellers and other parts can be changed in minutes. For larger pumps in the "U-Neel" range an Instant Service Pack represents the optimum service solution by providing mechanical seals and housing oil for easy change at the work site. The pumps feature an external plug for oil inspection and offer a variety of connection options, with the flexibility of changing the flow direction from 90°-180°.

Research & Development

Our team of R&D experts is constantly involved in conducting market surveys to improvise new designs and techniques into our range of industrial pumps. They work together to bring about uniqueness in production strategy and further meet clients requirements. Our legitimate research and study helps us to implement latest technology in our infrastructure so as to fabricate international quality standard range of products within the given time frame.

All the data collected from these studies are carefully documented and passed on to the product development department. We also record this data in our archives for future references.

Client Satisfaction

Attaining complete client satisfaction has been our organizations primary focus. We have employed a team of adroit professionals who understand clients requirements and endeavor to offer quality range of industrial pumps. Due to our quality range, we are able to perk up our credibility as a leading manufacturer, exporter and supplier of industrial pumps across the globe. Further, we incorporate a free sampling policy in order to give a clear understanding of our range to our clients.

With the assistance of our advanced manufacturing facility, we have been fabricating our range as per international standards. We offer the option of customization based on design. In addition, we provide after sales repairing services to our clients. Through our transparent business dealing and ethical business practices, we have attained our clients trust.

Innovative Solutions

Quality Assurance

To maintain international quality standards, we make sure that each of the unit of our products is thoroughly tested in our separate testing facility. They are made to run through a complete working cycle. As per our quality control management, we follow test protocols at each stage of production process and carry on till the delivery of our range. In addition to check the reliability and performance, these are also tested as complete units.

The raw material is procured from reliable and trusted sources. Our team of quality controllers tests the range on the following parameters:

High Durability



Low Power Consumption



Effective Working in Harsh Conditions



High Reliability



Easy Installation



Quiet and Energy Efficient Operations

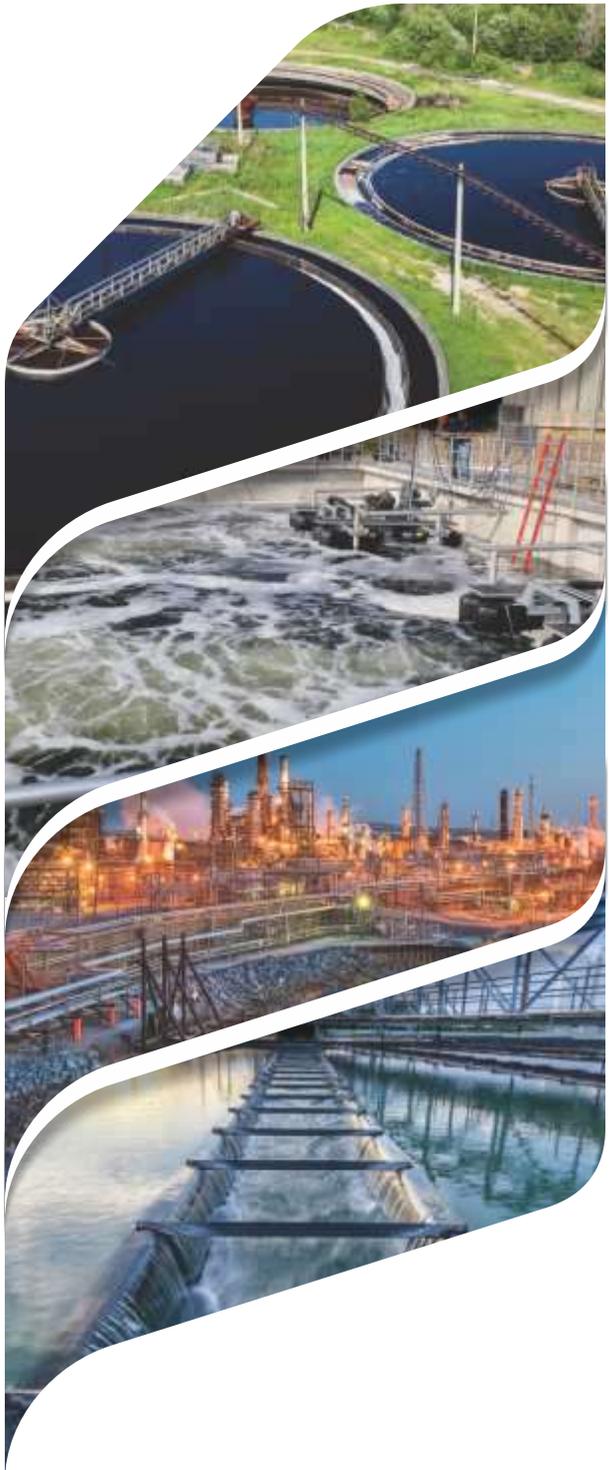


Easy Usage & Maintenance



Model Wise Application

- **Dewatering of Dirty Water**
- **Sandy / Muddy Water**
- **Cable Trenches**
- **Basements**
- **Dam Sites**
- **River Bed**
- **Pits**
- **Construction Sites**
- **Cooling Water Circulation**
Dewatering Submersible Pump (UD Series)
Portable Submersible Pump (UP Series)
- **Handling of Storm Water**
Dewatering Submersible Pump (UD Series)
Portable Submersible Pump (UP Series)
Sewage Submersible Pump (US Series)
Sewage Submersible Pump (USE Series)
Vortex Sewage/Slurry Submersible Pump (UPV Series)
Manhole Submersible Pump (UMS Series)
- **All sorts of Industrial Water**
- **Screened Sewage Water**
Portable Submersible Pump (UP Series)
Sewage Submersible Pump (ULS Series)
- **Unscreened Sewage**
- **Transfer of Suspended Solids**
Vortex Sewage/Slurry Submersible Pump (UPV Series)
Sewage Submersible Pump (UPV Series)
Sewage Submersible Pump (USE Series)
Manhole Submersible Pump (UMS Series)
- **Treated Effluent with Slurries & Solids**
Sewage Submersible Pump (US Series)
Sewage Submersible Pump (USE Series)
- **Kitchen Waste**
- **Manholes • Trenches**
Sewage Submersible Pump (ULS Series)
Vortex Sewage/Slurry Submersible Pump (UPV Series)
Centrifugal Self Priming Mud Pump (USP Series)
Centrifugal Self Priming Pump (UEP Series)
Manhole Submersible Pump (UMS Series)
- **Coal and Marble Slurries**
- **Mine Drainage**
- **Removal of Sands / Mud**
- **Removal of Drilling Mud**
- **Dredging of Settling Lagoons**
Slurry Submersible Pump (USR Series)
- **Mobile Wet Pit Sewer**
Vortex Sewage/Slurry Submersible Pump (UPV Series)
Manhole Submersible Pump (UMS Series)
- **Industrial Clear Water**
- **Cooling Towers**
- **Refrigeration**
- **Air Conditioning**
- **Fire Fighting System**
Centrifugal Monoblock Pump (UMB Series)
- **Clear Water • River Bed • Dam Sites**
- **Hydro Power Stations • Canals**
Centrifugal Submerged Pump (UCS Series)



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SEWAGE SOLUTIONS



Robust Design

Designed for excellent performance, low energy consumption, and easy maintenance, U-Neel Submersible Sewage Pumps serve a wide range of sewage transport applications. They are ideal for Residential, Commercial, Industrial sewage Transferring, Wastewater Treatment Plant, Site Drainage, etc.

DEWATERING SOLUTIONS

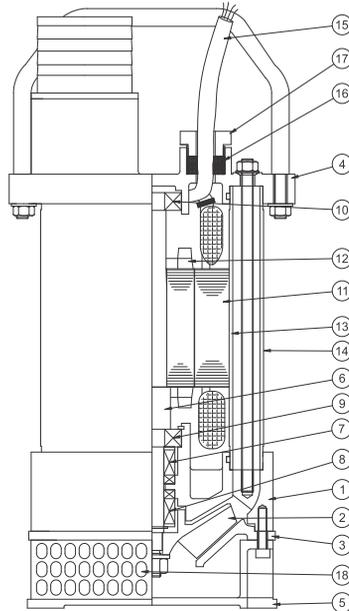


Easy Portability

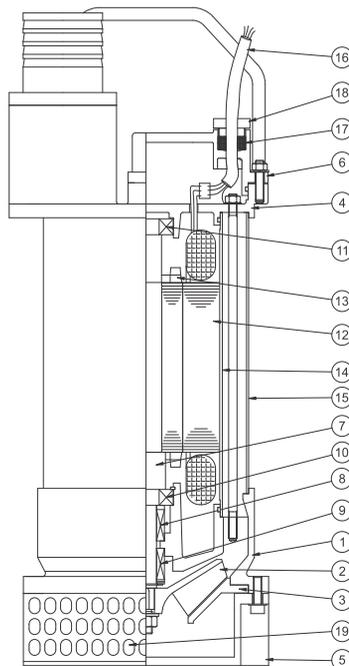
Positioning a pump into water in a safe and efficient manner is critical to achieving a straight forward dewatering operation. An example of this portability is the fact that you can even achieve a flow of around 1300 litres per minute with a pump that only weighs 35 kg. Some models are up to 15 percent lighter than comparable products in their class; which makes a world of difference when you're on the water's edge and need to start pumping quickly.

Dewatering Submersible Pump

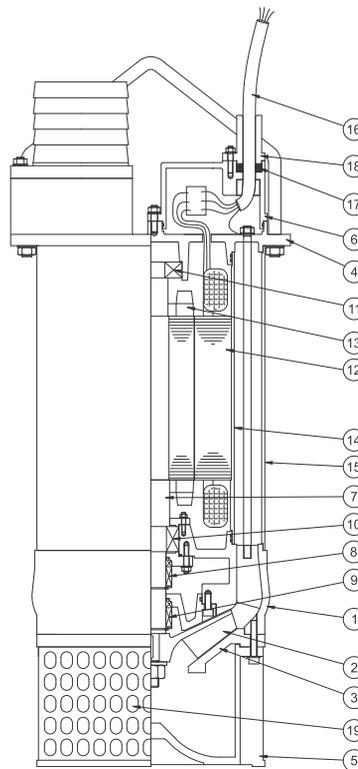
"U-Neel" Dewatering Pump is compact and sturdy in Design, having light weight and used for continuous duty applications. Cooling jacket and Vertical discharge arrangement is provided to keep motor cool itself by liquid being pumped.



No.	DESCRIPTION	M.O.C.
1	Casing / Bypass	C.I.FG260
2	Impeller	C.I.FG260
3	Wear Plate	C.I.FG260
4	Delivery Out Let	C.I.FG260
5	Stand	C.I.FG260
6	Shaft	S.S. 410
7	Mech. Seal (Upper)	TC vs TC
8	Mech. Seal (Lower)	TC vs TC
9	Ball Bearing (DE)	SKF or Eq.
10	Ball Bearing (NDE)	SKF or Eq.
11	Stator Stamping	Si. Stamping
12	Rotor Die Cast	Aluminium
13	Motor Body	S.S.
14	Outer Casing/Jacket	S.S.
15	Cable	PVC Insu.
16	Cable Grommet	Ni. Rubber
17	Cable Gland	Nylon
18	Strainer	S.S.



No.	DESCRIPTION	M.O.C.
01	Casing / Bypass	C.I.FG260
02	Impeller	C.I.FG260
03	Wear Plate	C.I.FG260
04	Delivery Out Let	C.I.FG260
05	Stand	C.I.FG260
06	Terminal Box	C.I.FG260
07	Shaft	S.S. 410
08	Mech. Seal (Upper)	TC vs TC
09	Mech. Seal (Lower)	TC vs TC
10	Ball Bearing (DE)	SKF or Eq.
11	Ball Bearing (NDE)	SKF or Eq.
12	Stator Stamping	Si. Stamping
13	Rotor Die Cast	Aluminium
14	Motor Body	S.S.
15	Outer Casing/Jacket	S.S.
16	Cable	PVC Insu.
17	Cable Grommet	Ni. Rubber
18	Cable Gland	Nylon
19	Strainer	S.S.



No.	DESCRIPTION	M.O.C.
01	Casing / Bypass	C.I.FG260
02	Impeller	C.I.FG260
03	Wear Plate	C.I.FG260
04	Delivery Out Let	C.I.FG260
05	Stand	C.I.FG260
06	Terminal Box	C.I.FG260
07	Shaft	S.S. 410
08	Mech. Seal (Upper)	C vs SiC
09	Mech. Seal (Lower)	SiC vs SiC
10	Ball Bearing (DE)	SKF or Eq.
11	Ball Bearing (NDE)	SKF or Eq.
12	Stator Stamping	Si. Stamping
13	Rotor Die Cast	Aluminium
14	Motor Body	M.S.
15	Outer Casing / Jacket	M.S.
16	Cable	PVC Insu.
17	Cable Grommet	Ni. Rubber
18	Cable Gland	C.I.FG260
19	Strainer	S.S.



TECHNICAL SPECIFICATION

Head	: upto 75 mtr.
Capacity	: upto 600 m ³ /hr.
Motor	: Two / Four Pole Continuous Duty, Squirrel Cage, Submersible type Induction Motor
Speed (Syn.)	: 3000 / 1500 RPM
Connection	: DOL (Star Delta optional)
Range	: 0.75 HP to 70.0 HP
Temperature	: 45° C (Also available for higher temperature on request)
Voltage	: 415V, 3Ø, 50 Hz 230V, 1Ø, 50 Hz (upto 3.0 HP) 110V, 3Ø, 60 Hz 110V, 1Ø, 60 Hz
Class of Insulation	: 'F' Class (optional 'H' Class available on request)
Protection	: IP 68
Concentration	: 50000 ppm
Free Passage	: upto 25mm

APPLICATION

- Dewatering of Dirty Water.
- Dewatering of Sandy / Muddy Water.
- Handling of Storm Water.
- Suitable for Pits, Dam Sites, River Bed, Construction Sites, Basements, Cable Trenches, Cooling Water Circulation.

MATERIAL OF CONSTRUCTION ON REQUEST

Motor Body	: AISI 304, AISI 316
Outer Casing	: AISI 304, AISI 316 (Cooling Jacket)
Pump Casing	: CF8, CF8M, CF3M, Aluminium Alloy,
Impeller	: CA15, CA40, CF8, CF8M, CF3M
Wear Plate	: CA15, CA40, CF8, CF8M, CF3M
Shaft	: AISI 420, AISI 431, AISI 304, AISI 316, AISI 316L
Mechanical Seal	: SiC / SiC, TC / TC, C / SiC, C / Cr Steel, C/Ce
Strainer	: AISI 304, AISI 316
Cable	: H07RNF, FRLS

Also Available with on request

Auto Level Controller (Float Switch), Thermal Protection, MCB Starter (for 1Ø)

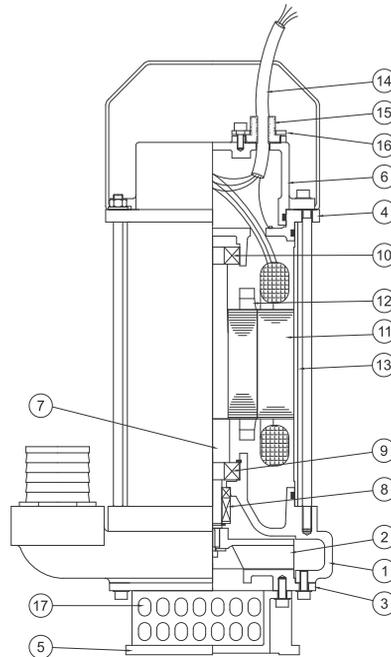
SALIENT FEATURES

- Light in Weight.
- Works in Partially Submergence.
- Portable for Easy Handling.
- Can handle upto Minimized Water Level.
- Prevents Motor Heating Through Jacket.
- Bottom Suction & Top Centre Lined Delivery.
- Easy Maintenance.
- Double Mechanical Seals with Hard Face Combination.

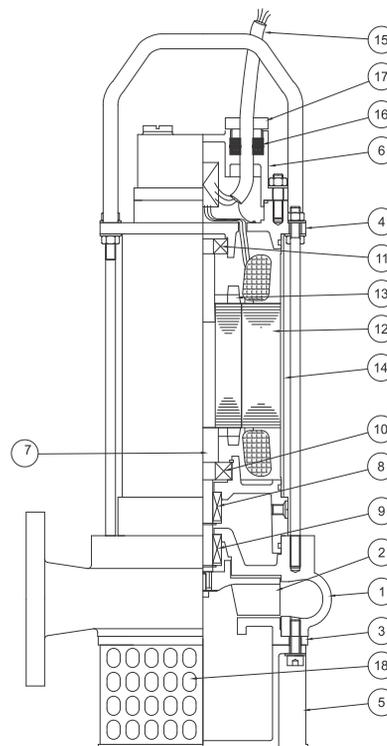
**UP
Series**

Portable Submersible Pump

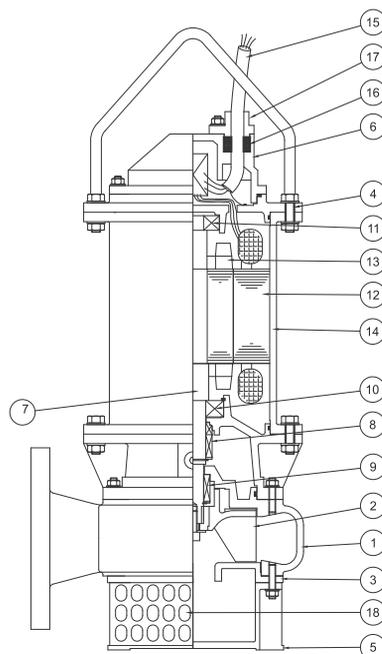
"U-Neel" High Speed Light Duty Portable Submersible Pump is vertical single casing pump with channel type impeller. Squirrel cage induction motors specially manufactured by "U-Neel" with Class 'F' and Class 'H' insulation suitable upto 155°C and 180°C for 15 Starts and Stops per hour. "ULS" Pumps are also available with auto coupling arrangement.



No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG260
02	Impeller	C.I.FG260
03	Wear Plate	C.I.FG260
04	Top Cover	C.I.FG260
05	Stand	C.I.FG260
06	Terminal Box	C.I.FG260
07	Shaft	S.S. 410
08	Mech. Seal	SiC vs SiC
09	Ball Bearing (DE)	SKF or Eq.
10	Ball Bearing (NDE)	SKF or Eq.
11	Stator Stamping	Si. Stamping
12	Rotor Die Cast	Aluminium
13	Motor Body	S.S.
14	Cable	PVC Insu.
15	Cable Grommet	Ni. Rubber
16	Cable Clip	S.S.
17	Strainer	S.S.



No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG260
02	Impeller	C.I.FG260
03	Wear Plate	C.I.FG260
04	Top Cover	C.I.FG260
05	Stand	C.I.FG260
06	Terminal Box	C.I.FG260
07	Shaft	S.S. 410
08	Mech. Seal (Upper)	C vs SiC
09	Mech. Seal (Lower)	SiC vs SiC
10	Ball Bearing (DE)	SKF or Eq.
11	Ball Bearing (NDE)	SKF or Eq.
12	Stator Stamping	Si. Stamping
13	Rotor Die Cast	Aluminium
14	Motor Body	S.S.
15	Cable	PVC Insu.
16	Cable Grommet	Ni. Rubber
17	Cable Gland	Nylon
18	Strainer	S.S.



No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG 260
02	Impeller	C.I.FG 260
03	Wear Plate	C.I.FG 260
04	Top Cover	C.I.FG 260
05	Stand	C.I.FG 260
06	Terminal Box	C.I.FG 260
07	Shaft	S.S. 410
08	Mech. Seal (Upper)	C vs SiC
09	Mech. Seal (Lower)	SiC vs SiC
10	Ball Bearing (DE)	SKF or Eq.
11	Ball Bearing (NDE)	SKF or Eq.
12	Stator Stamping	Si. Stamping
13	Rotor Die Cast	Aluminium
14	Motor Body	C.I.FG 260
15	Cable	PVC Insu.
16	Cable Grommet	Ni. Rubber
17	Cable Gland	C.I.FG 260
18	Strainer	S.S.



TECHNICAL SPECIFICATION

Head : upto 75 mtr
 Capacity : upto 200 m³/Hr.
 Motor : Two Pole Continuous Duty, Squirrel Cage, Submersible type Induction Motor.
 Speed (Syn.) : 3000 RPM
 Connection : DOL (Star Delta optional)
 Range : 0.75 HP to 30.0 HP
 Temperature : 45° C (Also available for higher temperature on request)
 Voltage : 415V, 3Ø, 50 Hz
 : 230V, 1Ø, 50 Hz (upto 3.0 HP)
 : 110V, 3Ø, 60 Hz
 : 110V, 1Ø, 60 Hz
 Class of Insulation : 'F' Class (optional 'H' Class available on request)
 Protection : IP 68

APPLICATION

- Dewatering of Dirty Water.
- Dewatering of Sandy / Muddy Water.
- Handling of Storm Water.
- Suitable for Pits, Dam Sites, River Bed, Construction Sites, Basements, Cable Trenches, Cooling Water Circulation.
- Removal of all sorts of Industrial Water, Screened Sewage Water.

MATERIAL OF CONSTRUCTION ON REQUEST

Motor Body : AISI 304, AISI 316, CF8, CF8M
 Pump Casing : CF8, CF8M, CF3M
 Impeller : CA15, CA40, CF8, CF8M, CF3M
 Wear Plate : CA15, CA40, CF8, CF8M, CF3M
 Shaft : AISI 420, AISI 431, AISI 304, AISI 316, AISI 316L
 Mechanical Seal : SiC / SiC, TC / TC, C / SiC, C / Cr Steel, C/Ce
 Strainer : AISI 304, AISI 316
 Cable : H07RNF, FRLS

Also Available with on request

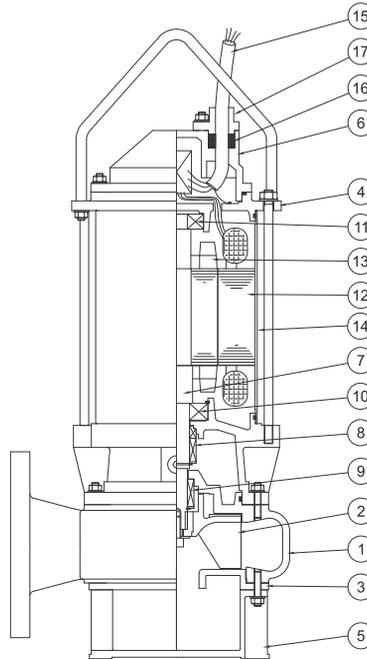
Auto Coupling Installation, Cooling Jacket, Auto Level Controller (Float Switch), Thermal Protection, Seal Monitoring Arrangement, MCB Starter (for 1Ø)

SALIENT FEATURES

- Light in Weight.
- Easy Maintenance.
- Portable for easy handling.
- Bottom Suction & Side Delivery.
- Can be used for Permanent Installation.
- All kind of Discharge Connections available.



"U-Neel" High Speed Light Duty Sewage and Effluent Submersible Pump is vertical single casing pump with non clog, channel type impeller for handling of screened sewage. Squirrel cage induction motors specially manufactured by "U-Neel" with Class 'F' and Class 'H' insulation suitable upto 155°C and 180°C for 15 Starts and Stops per hour. "ULS" Pumps are also available with auto coupling arrangement.



No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG260
02	Impeller	C.I.FG260
03	Wear Plate	C.I.FG260
04	Top Cover	C.I.FG260
05	Stand	C.I.FG260
06	Terminal Box	C.I.FG260
07	Shaft	S.S. 410
08	Mech. Seal (Upper)	C vs SiC
09	Mech. Seal (Lower)	SiC / SiC
10	Ball Bearing (DE)	SKF or Eq.
11	Ball Bearing (NDE)	SKF or Eq.
12	Stator Stamping	Si. Stamping
13	Rotor Die Cast	Aluminium
14	Motor Body	S.S./C.I.FG260
15	Cable	PVC Insu.
16	Cable Grommet	Ni. Rubber
17	Cable Gland	C.I.FG 260



TECHNICAL SPECIFICATION

Head	: upto 75 Mtr
Capacity	: upto 200 M ³ /Hr.
Motor	: Two Pole Continuous Duty, Squirrel Cage, Submersible type induction motor.
Speed (Syn.)	: 3000 RPM
Connection	: DOL (Star Delta optional)
Range	: 0.75 HP to 30.0 HP
Temperature	: 45° C (Also available for higher temperature on request)
Voltage	: 415V, 3Ø, 50 Hz. 230V, 1Ø, 50 Hz. (upto 3.0 HP) 110V, 3Ø, 60 Hz. 110V, 1Ø, 60 Hz.
Class of Insulation	: 'F' Class (optional 'H' Class available on request)
Protection	: IP 68
Concentration	: upto 15%
Free Passage	: upto 50mm

APPLICATION

- Removes all sorts of Industrial Waste Water.
- Suitable for Handling Screened Sewage.
- Cleaning of Manholes / Trenches.
- Removal of Kitchen Waste.

MATERIAL OF CONSTRUCTION ON REQUEST

Motor Body	: AISI 304, AISI 316, CF8, CF8M
Pump Casing	: CF8, CF8M, CF3M
Impeller	: CA15, CA40, CF8, CF8M, CF3M
Wear Plate	: CA15, CA40, CF8, CF8M, CF3M
Shaft	: AISI 420, AISI 431, AISI 304, AISI 316, AISI 316L
Mechanical Seal	: SiC / SiC, TC / TC, C / SiC, C / Cr Steel, C/Ce
Strainer	: AISI 304, AISI 316
Cable	: H07RNF, FRLS

Also Available with on Request

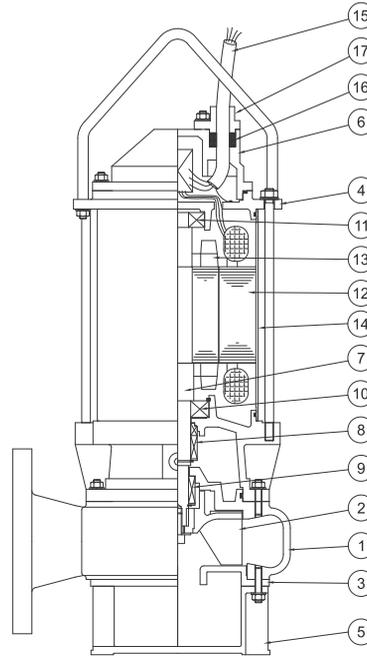
Auto Coupling Installation, Cooling Jacket, Auto Level Controller (Float Switch), Thermal Protection, Seal Monitoring Arrangement, MCB Starter (for 1Ø), Cutter / Agitator / Grinder Arrangement

SALIENT FEATURES

- Light in Weight.
- Portable for Easy Handling.
- Bottom Suction & Side Delivery.
- Can be used for Permanent Installation.
- All kind of Discharge Connections Available.
- Can Move Solids upto 50mm.
- Easy Maintenance.



"U-Neel" Low Speed Heavy Duty Sewage and Effluent Submersible Pump is vertical single casing pump with non clog, channel type impeller for handling of unscreened sewage. Squirrel cage induction motors specially manufactured by "U-Neel" with Class 'F' and Class 'H' insulation suitable upto 155°C and 180°C for 20 Starts and Stops per hour. "USE" Pumps are also available with auto coupling arrangement.



No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG260
02	Impeller	C.I.FG260
03	Wear Plate	C.I.FG260
04	Top Cover	C.I.FG260
05	Stand	C.I.FG260
06	Terminal Box	C.I.FG260
07	Shaft	S.S. 410
08	Mech. Seal (Upper)	C vs SiC
09	Mech. Seal (Lower)	SiC / SiC
10	Ball Bearing (DE)	SKF or Eq.
11	Ball Bearing (NDE)	SKF or Eq.
12	Stator Stamping	Si. Stamping
13	Rotor Die Cast	Aluminium
14	Motor Body	S.S.
15	Cable	PVC Insu.
16	Cable Grommet	Ni. Rubber
17	Cable Gland	C.I.FG 260

TECHNICAL SPECIFICATION

Head	: upto 25 mtr
Capacity	: upto 180 m ³ /hr.
Motor	: Four Pole Continuous Duty, Squirrel Cage, Submersible type Induction Motor.
Speed (Syn.)	: 1500 RPM
Connection	: DOL (Star Delta optional)
Range	: 3.0 HP to 10.0 HP
Temperature	: 45° C (Also available for higher temperature on request)
Voltage	: 415V, 3Ø, 50 Hz 110V, 3Ø, 60 Hz
Class of Insulation	: 'F' Class (optional 'H' Class available on request)
Protection	: IP 68
Concentration	: upto 40%
Free Passage	: upto 40mm

APPLICATION

- Removal of Unscreened Sewage.
- Transfer of Suspended Solids.
- Pumping of Waste / Storm Water.
- Handling of Treated Effluent with Slurries and Solids.

MATERIAL OF CONSTRUCTION ON REQUEST

Motor Body	: CI, AISI304, AISI316, CF8, CF8M
Pump Casing	: CF8, CF8M, CF3M
Impeller	: CF8, CF8M, CF3M
Wear Plate	: CF8, CF8M, CF3M
Shaft	: AISI 420, AISI 431, AISI 304, AISI 316, AISI 316L
Mechanical Seal	: SiC / SiC, TC / TC, C / SiC, C / Cr Steel, C/Ce
Cable	: H07RNF, FRLS

Also Available with on Request

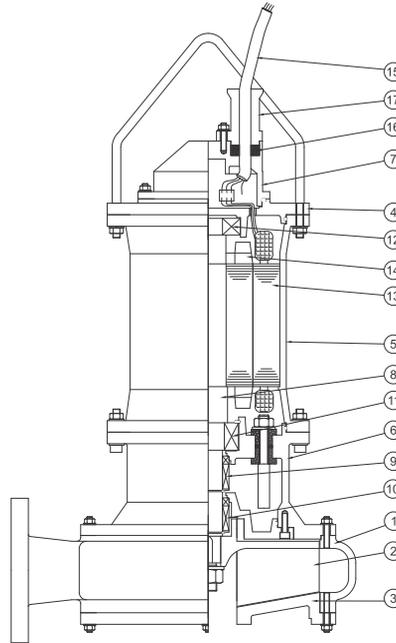
Auto Coupling Installation, Auto Level Controller (Float Switch), Cutter / Agitator / Grinder arrangement, Thermal Protection, Seal Monitoring Arrangement.

SALIENT FEATURES

Light in Weight.
Portable for Easy Handling.
Can be used for Permanent Installation.
Minimized Vibration & Noise Level.
Bottom Suction & Side Delivery.
Easy Maintenance.
All kind of Discharge Connections Available.



"U-Neel" Low Speed Heavy Duty Sewage and Effluent Submersible Pump is vertical single casing pump with non clog, channel type impeller for handling of unscreened large solids. Squirrel cage induction motors specially manufactured by "U-Neel" with Class 'F' and Class 'H' insulation suitable upto 155°C and 180°C for 20 Starts and Stops per hour. "US" Pumps are also available with cooling Jacket arrangement for Dry Pit as well as Wet Pit installation with auto coupling arrangement.



No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG260
02	Impeller	C.I.FG260
03	Wear Plate	C.I.FG260
04	Top Cover	C.I.FG260
05	Motor Body	C.I.FG260
06	Oil Chamber	C.I.FG260
07	Terminal Box	C.I.FG260
08	Shaft	S.S. 410
09	Mech. Seal (Upper)	C vs SiC
10	Mech. Seal (Lower)	SiC / SiC
11	Ball Bearing (DE)	SKF or Eq.
12	Ball Bearing (NDE)	SKF or Eq.
13	Stator Stamping	Si. Stamping
14	Rotor Die Cast	Aluminium
15	Cable	PVC Insu.
16	Cable Grommet	Ni. Rubber
17	Cable Gland	C.I.FG 260



TECHNICAL SPECIFICATION

Head	: upto 75 mtr
Capacity	: upto 2000 m ³ /Hr.
Motor	: Four / Six Pole Continuous Duty, Squirrel Cage, Submersible type Induction Motor.
Speed (Syn.)	: 1500 / 1000 RPM
Connection	: DOL / Star Delta / ATS
Range	: 2.0 HP to 150.0 HP
Temperature	: 45° C (Also available for higher temperature on request)
Voltage	: 415V, 3Ø, 50 Hz 110V, 3Ø, 60 Hz
Class of Insulation	: 'F' Class (optional 'H' Class available on request)
Protection	: IP 68
Concentration	: upto 40%
Free Passage	: upto 125mm

APPLICATION

- Removal of Unscreened Sewage.
- Transfer of Suspended Solids.
- Pumping of Waste / Storm Water.
- Handling of Treated Effluent with Slurries and Solids.

MATERIAL OF CONSTRUCTION ON REQUEST

Motor Body	: CF8, CF8M, CF3M, CD4MCu
Pump Casing	: CF8, CF8M, CF3M, CD4MCu
Impeller	: CF8, CF8M, CF3M, CD4MCu
Wear Plate	: CF8, CF8M, CF3M, CD4MCu
Shaft	: AISI 420, AISI 431, AISI 304, AISI 316, AISI 316L
Mechanical Seal	: SiC / SiC, TC / TC, C / SiC, C / Cr Steel, C/Ce
Cable	: H07RNF, FRLS

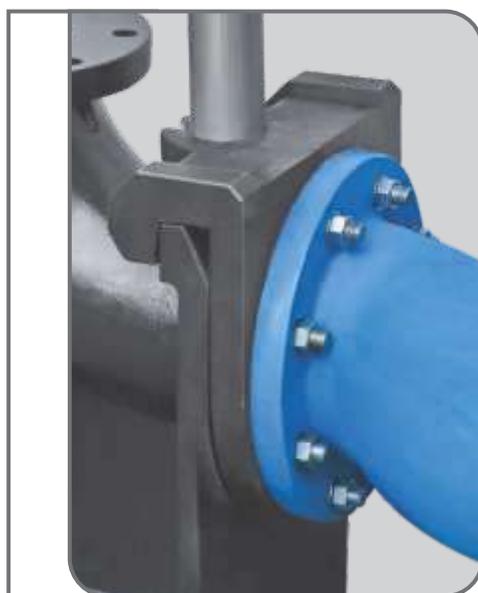
Also Available with on request

Auto Coupling Installation, Cooling Jacket, Auto Level Controller (Float Switch), Cutter / Agitator / Grinder Arrangement, VFD Comply Motor, BTD Arrangement

SALIENT FEATURES

- Heavy & Durable Construction
- Minimized Vibration & Noise Level
- Bottom Suction & Side Delivery
- Can be used under Partially Submergence
- Easy Maintenance
- All kind of Discharge Connections Available
- Saves Heavy Construction Cost
- Can Move Solids upto 125mm
- Can be used for Dry Well and Wet Well

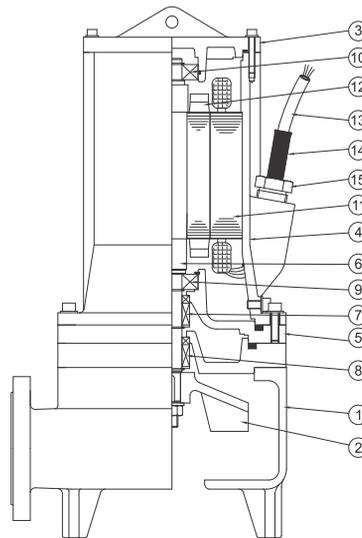
Installation Step



**UPV
Series**

Vortex Sewage/Slurry Submersible Pump

"U-Neel" Heavy Duty Sewage and Effluent Submersible Pump is vertical single casing pump with vortex type impeller for handling of unscreened large sewage. Squirrel cage induction motors specially manufactured by "U-Neel" with Class 'F' and Class 'H' insulation suitable upto 155°C and 180°C for 15 Starts and Stops per hour.



No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG 260
02	Impeller	C.I.FG 260
03	Top Cover	C.I.FG 260
04	Motor Body	C.I.FG 260
05	Oil Chamber	C.I.FG 260
06	Shaft	S.S. 410
07	Mech. Seal (Upper)	C vs SiC
08	Mech. Seal (Lower)	SiC / SiC
09	Ball Bearing (DE)	SKF or Eq.
10	Ball Bearing (NDE)	SKF or Eq.
11	Stator Stamping	Si. Stamping
12	Rotor Die Cast	Aluminium
13	Cable	PVC Insu.
14	Cable Grommet	Ni. Rubber
15	Cable Gland	C.I.FG 260



TECHNICAL SPECIFICATION

Head	: upto 20 mtr
Capacity	: upto 70 m ³ /Hr.
Motor	: Two Pole Continuous Duty, Squirrel Cage, Submersible type Induction Motor.
Speed (Syn.)	: 3000 RPM
Connection	: DOL
Range	: upto 5.0 HP
Temperature	: 45°C (Also available for higher temperature on request)
Voltage	: 415V, 3Ø, 50 Hz 110V, 3Ø, 60 Hz
Class of Insulation	: 'F' Class (optional 'H' Class available on request)
Protection	: IP 68
Concentration	: upto 20%
Free Passage	: upto 60mm

APPLICATION

- Removal of Unscreened Sewage.
- Cleaning of Manhole / Trenches, Mobile Wet Pit Sewer Bypass Operation.
- Transfer of Suspended Solids.
- Pumping of Waste / Storm Water, Kitchen Waste.

MATERIAL OF CONSTRUCTION ON REQUEST

Motor Body	: CF8, CF8M, CF3M, CD4MCu
Pump Casing	: CF8, CF8M, CF3M, CD4MCu
Impeller	: CF8, CF8M, CF3M, CD4MCu
Shaft	: AISI 420, AISI 431, AISI 304, AISI 316, AISI 316L
Mechanical Seal	: SiC / SiC, TC / TC, C / SiC, C / Cr Steel, C/Ce
Cable	: H07RNF, FRLS

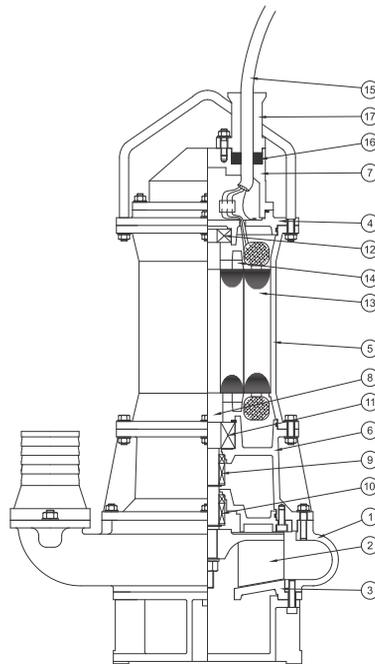
Also Available with on request

Auto Coupling Installation, Auto Level Controller (Float Switch)

SALIENT FEATURES

- Light in Weight
- Can Move Solids
- Easy Maintenance
- Portable for Easy Handling
- Can be used for Permanent Installation

"U-Neel" Manhole Pumps for bypassing sewerage between manholes in sewage piping renewal work. "U-Neel" offers 'UMS' Series Submersible Sewer Bypass Pumps where sewage piping suffers from aging-related deterioration. Sewage piping requires repairs & replacing at regular intervals & may be inconvenient to the people by the repair work. Additionally to work efficient & safety of workers who handled inflow sewage for these purpose.



No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG260
02	Impeller	C.I.FG260
03	Wear Plate	C.I.FG260
04	Top Cover	C.I.FG260
05	Motor Body	C.I.FG260
06	Oil Chamber	C.I.FG260
07	Terminal Box	C.I.FG260
08	Shaft	S.S. 410
09	Mech. Seal (Upper)	C vs SiC
10	Mech. Seal (Lower)	SiC / SiC
11	Ball Bearing (DE)	SKF or Eq.
12	Ball Bearing (NDE)	SKF or Eq.
13	Stator Stamping	Si. Stamping
14	Rotor Die Cast	Aluminium
15	Cable	PVC Insu.
16	Cable Grommet	Ni. Rubber
17	Cable Gland	C.I.FG 260



TECHNICAL SPECIFICATION

Head	: upto 25 mtr
Capacity	: upto 250 m ³ /hr.
Motor	: Four Pole Continuous Duty, Squirrel Cage, Submersible type Induction Motor.
Speed (Syn.)	: 1500 RPM
Connection	: DOL / Star Delta
Range	: 3.0 HP to 15.0 HP
Temperature	: 45° C (Also available for higher temperature on request)
Voltage	: 415V, 3Ø, 50 Hz 110V, 3Ø, 60 Hz
Class of Insulation	: 'F' Class (optional 'H' Class available on request)
Protection	: IP 68
Concentration	: upto 40%
Free Passage	: upto 85mm

APPLICATION

- Removal of Unscreened Sewage.
- Cleaning of Manhole, Mobile Wet Pit Sewer Bypass Operation.
- Transfer of Suspended Solids.
- Pumping of Waste / Storm Water.

MATERIAL OF CONSTRUCTION ON REQUEST

Motor Body	: CF8, CF8M, CF3M, CD4MCu
Pump Casing	: CF8, CF8M, CF3M, CD4MCu
Impeller	: CF8, CF8M, CF3M, CD4MCu
Wear Plate	: CF8, CF8M, CF3M, CD4MCu
Shaft	: AISI 420, AISI 431, AISI 304, AISI 316, AISI 316L
Mechanical Seal	: SiC / SiC, TC / TC, C / SiC, C / Cr Steel, C/Ce
Cable	: H07RNF, FRLS

Also Available with on Request

Cutter / Agitator / Grinder Arrangement, Thermal Protection, Seal Monitoring Arrangement.

SALIENT FEATURES

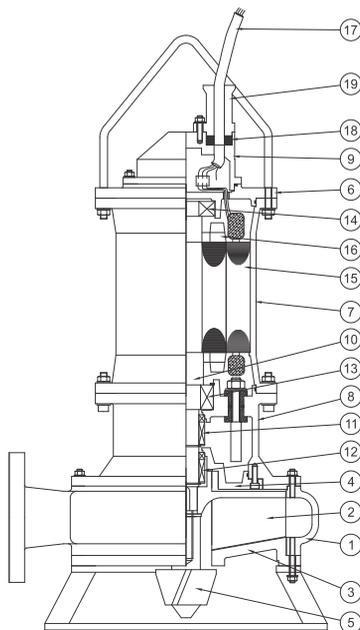
- Light in Weight.
- Portable for Easy Handling.
- Space Saving Design.
- Can be used under Partially Submergence.
- Easy Maintenance.
- Can Move Solids upto 85mm.
- Suitable for Manhole upto 600mm.

USR
Series

Slurry Submersible Pump



"U-Neel" Low Speed Heavy Duty Submersible Pump is vertical single casing pump suitable for all kind of slurries. "USR" Pumps are designed for continuous operation in tough abrasive heavy industry applications. The pump features high chrome iron construction for liquid end components such as the casing, agitator, wear plates & impeller which are designed for long service life in tough applications where other pumps of inferior construction may fail.



No.	DESCRIPTION	M.O.C.
01	Pump Casing	Hi-Chrome
02	Impeller	Hi-Chrome
03	Wear Plate	Hi-Chrome
04	Back Plate	Hi-Chrome
05	Agitator	Hi-Chrome
06	Top Cover	C.I.FG260
07	Motor Body	C.I.FG260
08	Oil Chamber	C.I.FG260
09	Terminal Box	C.I.FG260
10	Shaft	S.S. 410
11	Mech. Seal (Upper)	C vs SiC
12	Mech. Seal (Lower)	SiC / SiC
13	Ball Bearing (DE)	SKF or Eq.
14	Ball Bearing (NDE)	SKF or Eq.
15	Stator Stamping	Si. Stamping
16	Rotor Die Cast	Aluminium
17	Cable	PVC Insu.
18	Cable Grommet	Ni. Rubber
19	Cable Gland	C.I.FG 260



TECHNICAL SPECIFICATION

Head	: upto 50 mtr
Capacity	: upto 400 m ³ /hr.
Motor	: Four Pole Continuous Duty, Squirrel Cage, Submersible type Induction Motor.
Speed (Syn.)	: 1500 RPM
Connection	: DOL / Star Delta / ATS
Range	: upto 60.0 HP
Temperature	: 45° C (Also available for higher temperature on request)
Voltage	: 415V, 3Ø, 50 Hz
Class of Insulation	: 'F' Class (optional 'H' Class available on request)
Protection	: IP 68
Free Passage	: upto 40mm
Specific Gravity	: upto 2.8

APPLICATION

- Handling all types of Coal and Marble Slurries, Mine Drainage,
- Removal of Sands / Mud, Dredging of Settling Lagoons,
- Removal of Drilling Mud.

MATERIAL OF CONSTRUCTION ON REQUEST

Pump Casing	: CI, CA15, CA 40
Impeller	: CI, CA15, CA 40
Wear Plate	: CI, CA15, CA 40
Back Plate	: CI, CA15, CA 40
Agitator	: CI, CA15, CA 40
Shaft	: AISI 420, AISI 431, AISI 304, AISI 316, AISI 316L

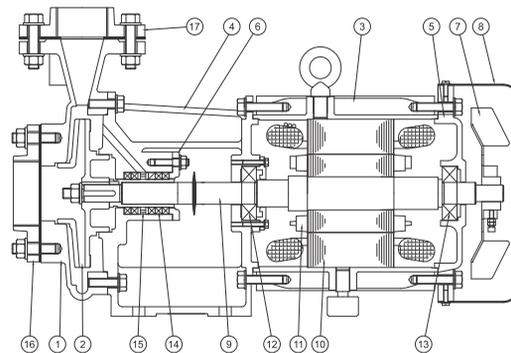
Also Available with on Request

Strainer, Additional Stool, Thermal Protection, Seal Monitoring Arrangement

SALIENT FEATURES

- Portable Installation.
- Easy Maintenance.
- Heavy & Durable Construction.
- Bottom Suction & Side Delivery.
- Minimized Vibration & Noise Level.
- Can be used under Partially Submergence.
- Suitable to Handle Variable Specific Gravity of Liquid.

“U-Neel” Centrifugal Monoblock Pumps are fitted with high efficient motors. ‘UMB’ Pumps are designed for continuous operation suitable for working under load in complete working range. Dynamically balanced rotating components and rigid construction of assemblies ensures smooth and vibration free operation.



No.	DESCRIPTION	M.O.C.	No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG260	10	Stamping	Si. Stamping
02	Impeller	C.I.FG260	11	Rotor Die-Cast	Aluminium
03	Motor Body	C.I.FG260	12	Ball Bearing (DE)	FAG or Eq.
04	Bracket	C.I.FG260	13	Ball Bearing (NDE)	FAG or Eq.
05	End Shield	C.I.FG260	14	Gland Packing	Asbestos Graphite
06	Gland Cover	C.I.FG260	15	Lantern Ring	PVC
07	Fan	PVC	16	Suction Flange	C.I.FG260
08	Fan Cover	M.S.	17	Delivery Flange	C.I.FG260
09	Shaft	En8			



TECHNICAL SPECIFICATION

Head	: upto 80 mtr
Capacity	: upto 300 m ³ /hr.
Motor	: Two / Four Pole Continuous Duty, Squirrel Cage, TEFC Induction Motor.
Speed (Syn.)	: 3000 / 1500 RPM
Connection	: DOL / Star Delta
Range	: upto 30.0 HP
Temperature	: 45° C (Also available for higher temperature on request)
Voltage	: 415V, 3Ø, 50 Hz
Class of Insulation	: ‘F’ Class
Protection	: IP 44
Shaft Sealing	: Gland Packed

APPLICATION

Any Industrial Clear Water, Cooling Towers, Refrigeration, Air Conditioning, Boosting Pump in Fire Fighting System.

MATERIAL OF CONSTRUCTION ON REQUEST

Pump Casing	: CA15, CF8, CF8M, Bronze
Impeller	: CA15, CF8, CF8M, Bronze
Shaft	: AISI 410, AISI 304, AISI 316
Shaft Sleeve	: AISI 304, AISI 316

Also Available with on request

Mechanical Seal Arrangement,
IP55 Motor Protection

SALIENT FEATURES

- Heavy & Durable Construction.
- Minimized Vibration & Noise Level.
- No need of External Bearing Lubrication.
- Easy to Maintenance.

**USP
Series**

Centrifugal Self Priming Mud Pump



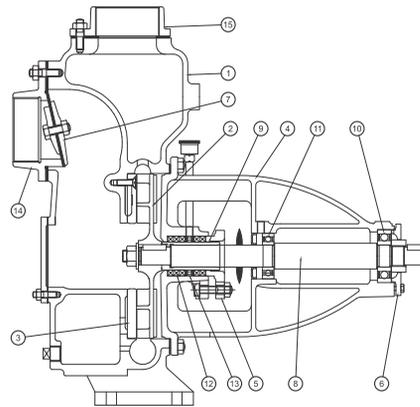
TECHNICAL SPECIFICATION

Head	: upto 60 mtr
Capacity	: upto 650 m ³ /hr.
Suction Lift	: upto 6 mtr
Driver	: Motor : 3000 / 1500 RPM Engine : 1800 RPM
Range	: upto 60.0 HP
Shaft Sealing	: Gland Packed
Free Passage	: upto 50mm

APPLICATION

Dewatering of Excavation Water, Trenches, Pits, Sewage Pumping, Pumping Watering from Docks, Ports and Vessels, Pumping Petroleum Products, Chemicals, Effluents, Ash Water, Tiles / Marble Slurries, Filter Press etc., Cooling Water for Marine Engines and Solvents.

"U-Neel" Centrifugal Self Priming Pumps are non clog, bare shaft, heavy in weight for sturdiness & better long life. 'USP' Pumps are back pull out type construction & fitted with sufficient size of passage to pass solids from the casing. These are most popular & suitable for any kind of dirty water application.



No.	DESCRIPTION	M.O.C.	No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG260	09	Sleeve	S.S. 410
02	Impeller	C.I.FG260	10	Ball Bearing (DE)	FAG or Eq.
03	Wear Plate	C.I.FG260	11	Ball Bearing (NDE)	FAG or Eq.
04	Bracket	C.I.FG260	12	Gland Packing	Asbestos Graphite
05	Gland Cover	C.I.FG260	13	Lantern Ring	PVC
06	Bearing Cover	C.I.FG260	14	Suction Flange	C.I.FG260
07	NRV with Flap	C.I. + Ni. Rubber	15	Delivery Flange	C.I.FG260
08	Shaft	En8			

MATERIAL OF CONSTRUCTION ON REQUEST

Pump Casing	: CA15, CF8, CF8M
Impeller	: CA15, CF8, CF8M
Wear Plate	: CA15, CF8, CF8M
Shaft	: AISI 410, AISI 304, AISI 316
Shaft Sleeve	: AISI 304, AISI 316

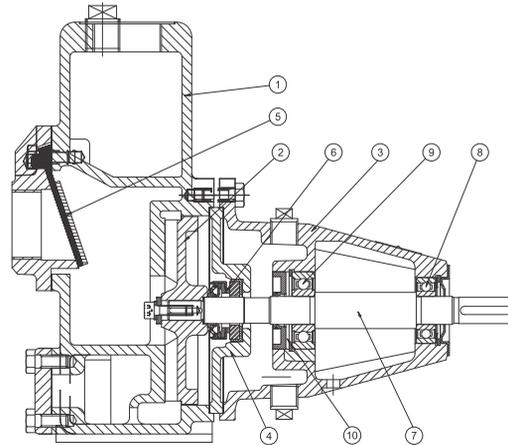
Also Available with on Request

Mechanical Seal Arrangement, Base Frame, Coupling, Coupling Guard, Trolley, Electric Motor

SALIENT FEATURES

- Back Pull Out design.
- 100% Vacuum Creation for Higher Efficiency.
- No need of External Bearing Lubrication.
- Cost can be Reduced using Monoblock version.
- No need of Foot Valve.
- Vibration Free Operation.
- Easy to Maintenance.

"U-Neel" Centrifugal Self Priming Pumps are non clog, bare shaft, heavy in weight for sturdiness & better long life. 'UEP' Pumps are back pull out type construction & fitted with sufficient size of passage to pass solids from the casing. These are most popular and suitable for any kind of dirty water application. These pumps are fitted with Mechanical Seal to ensure zero leakage.



No.	DESCRIPTION	M.O.C.	No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG260	06	Mech. Seal	C/Ce
02	Impeller	C.I.FG260	07	Shaft	S.S. 410
03	Bracket	C.I.FG260	08	Ball Bearing (DE)	FAG or Eq.
04	Seal Cover	C.I.FG260	09	Ball Bearing (NDE)	FAG or Eq.
05	NRV with Flap	C.I.FG260	10	Oil Seal	Ni. Rubber



TECHNICAL SPECIFICATION

Head	: upto 50 mtr
Capacity	: upto 76 m ³ /hr.
Suction Lift	: upto 6 mtr
Driver	: Motor : 3000 RPM
Range	: upto 7.5 HP
Shaft Sealing	: Mechanical Seal
Free Passage	: upto 24mm

APPLICATION

Dewatering Swamp, Trenches and Basement, Construction Sites and Swimming Pool, Effluent Treatment Plant and Marine Application, Lift Irrigation and Water Spraying.

MATERIAL OF CONSTRUCTION ON REQUEST

Pump Casing	: CA15, CF8, CF8M
Impeller	: CA15, CF8, CF8M
Wear Plate	: CA15, CF8, CF8M
Shaft	: AISI 410, AISI 316
Mechanical Seal	: SIC / SiC, TC / TC

Also Available with on Request

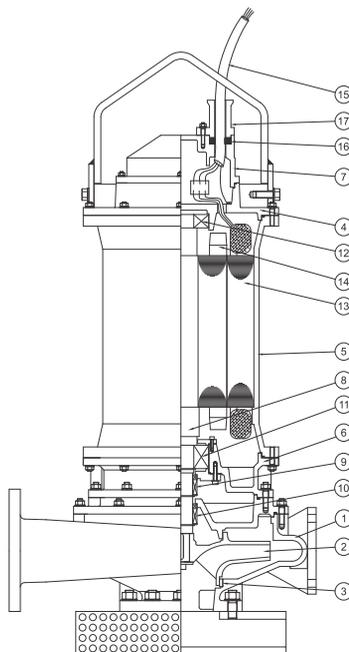
Base Frame, Coupling, Coupling Guard, Trolley, Electric Motor

SALIENT FEATURES

- Back Pull Out Design.
- Ensures Zero Leakage using Mechanical Seal.
- 100% Vacuum Creation for Higher Efficiency.
- No need of External Bearing Lubrication.
- Cost can be Reduced using Monoblock Version.
- Easy to Maintenance.



"U-Neel" Low Speed Heavy Duty Submersible Pump is vertical single casing pump closed type impeller for handling of raw / turbid water. Squirrel cage induction motors specially manufactured by "U-Neel" with Class 'F' and Class 'H' insulation suitable upto 155°C and 180°C for 20 Starts and Stops per hour. "UCS" Pumps are also available with auto coupling arrangement for vertical installation.



No.	DESCRIPTION	M.O.C.
01	Pump Casing	C.I.FG260
02	Impeller	C.I.FG260
03	Neck Ring	C.I.FG260
04	Top Cover	C.I.FG260
05	Motor Body	C.I.FG260
06	Oil Chamber	C.I.FG260
07	Terminal Box	C.I.FG260
08	Shaft	S.S. 410
09	Mech. Seal (Upper)	C vs SiC
10	Mech. Seal (Lower)	SiC / SiC
11	Ball Bearing (DE)	SKF or Eq.
12	Ball Bearing (NDE)	SKF or Eq.
13	Stator Stamping	Si. Stamping
14	Rotor Die Cast	Aluminium
15	Cable	PVC Insu.
16	Cable Grommet	Ni. Rubber
17	Cable Gland	C.I.FG 260

TECHNICAL SPECIFICATION

Head	: upto 80 mtr
Capacity	: upto 800 m ³ /hr.
Motor	: Two / Four Pole Continuous Duty, Squirrel Cage, Submersible type Induction Motor.
Speed (Syn.)	: 3000 / 1500 RPM
Connection	: DOL / Star Delta / ATS
Range	: upto 150.0 HP
Temperature	: 45° C (Also available for higher temperature on request)
Voltage	: 415V, 3Ø, 50 Hz 110V, 3Ø, 60 Hz
Class of Insulation	: 'F' Class (optional 'H' Class available on request)
Protection	: IP 68
Concentration	: upto 50000 ppm

APPLICATION

- Handling of Clear Water, River Bed, Dam Sites,
- Hydro Power Stations, Canals.

MATERIAL OF CONSTRUCTION ON REQUEST

Motor Body	: CF8, CF8M, CF3M, CD4MCu
Pump Casing	: CF8, CF8M, CF3M, CD4MCu
Impeller	: CF8, CF8M, CF3M, CD4MCu
Shaft	: AISI 420, AISI 431, AISI 304, AISI 316, AISI 316L
Mechanical Seal	: SiC / SiC, TC / TC, C / SiC, C / Cr Steel, C/Ce
Strainer	: AISI 304, AISI 316
Cable	: H07RNF, FRLS

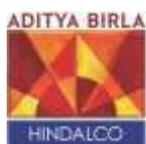
Also Available with on request

Horizontal or Vertical Installation, Auto Coupling Arrangement, Thermal Protection, Seal Monitoring Arrangement, Auto Level Controller (Float Switch), VFD Comply Motor, BTD Arrangement

SALIENT FEATURES

- Suitable for Vertical and Horizontal Installation.
- Heavy and Durable Construction.
- Periodical Maintenance not Required.
- Trouble Free Operation.
- Long Lasting Life.
- Easy Installation & No Need of Heavy Infrastructure.

Valued Client





U-Neel®
Since 1968

Unnati

Industrial Corporation

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