

KDS

**SUBMERSIBLE
SEWAGE
PUMPS**

KISHOR[®]

Worse the liquid, better we handle it.



KISHOR PUMPS

Experience Our Experience

KISHOR PUMPS is a leading Indian manufacturer of Chemical Process Pumps, Effluent Pumps, Acid Pumps, Industrial Water Pumps, Submersible Sewage Pumps, Wastewater Pumps, Nonclog Pumps.

We provide custom designed pumping solutions for any pumping requirement. With more than four decades of experience as a solution provider, **KISHOR PUMPS** is a natural preferred choice of users, turnkey contractors and engineering consultants world over.

With three manufacturing plants, widespread network of offices, local representatives, agents and dealers covering almost all geographical locations across the globe, **KISHOR PUMPS** can serve you efficiently and effectively anywhere in the world .



We are proud to have introduced “Dry motor submersible sewage pumps” for the first time in India in 1983 when sewage and wastewater pumping was done by conventional horizontal pumps with all their limitations.

We brought this technology in India & popularized this concept through technical seminars, presentations, demonstrations and trials at various civic bodies and consultants. Today, almost all sewage pumping in India is done through submersible sewage pumps, especially Kishor pumps.



Having introduced this technology, our strong research team watches the product performance at different working conditions & interact with the pump users to understand their operational feedback. Our designs are continuously upgraded to suit the operating conditions. Hence the user gets the latest designs best suited for the application and operating conditions.

Today, KISHOR is the only brand approved by Public Health Departments and Municipal Corporations for submersible sewage pumps for maximum capacity and motor rating. This also reflects in the largest market

share enjoyed by KISHOR... Thanks to “Customer first” approach, focused research and development, widest product range and prompt after sales service.

KISHOR advantages

- Largest experience in submersible sewage pumps for more than 2 decades in India
- Tailormade solutions to suit the application
- Robust designs to allow safe working in extreme operating conditions
- Cooling jackets for motors to minimize dead liquid volume & optimize sump design
- Progressive hydraulic and motor designs with higher overall efficiency and truly non clogging nature
- Lowest life cycle cost
- Modular designs for faster deliveries and interchangeability
- Widest range
- Available in large spectrum of materials of construction

Applications

Raw sewage, Screened sewage, Drainage water, Wastewater, Municipal effluent, Tannery effluent, Industrial effluent, Muddy water, Raw water, River water, Circulating water, Garbage water, Sludge, Seepage water, Sea water.



User Industries

- Public health
- Municipal corporations
- Industrial establishments
- Residential townships
- Effluent treatment plants
- Power plants
- Steel plants
- Hotels
- Hospitals
- Dry docks
- Sugar
- Tanneries
- Railways
- Dairies

Versions

KDS-A : Sewage pumps for raw unscreened sewage
 KDS-M : Sewage pumps for screened sewage
 KDS-E : Wastewater pumps
 KDS-V : Dewatering pumps

Design Features

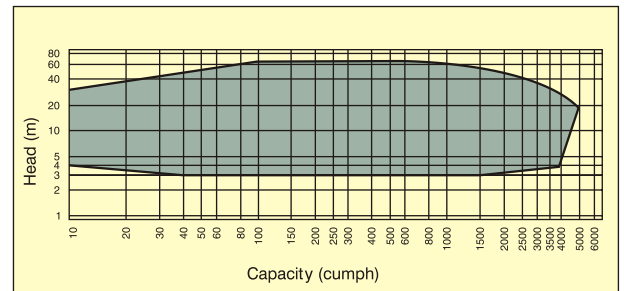
- Centrifugal, single stage, bottom axial suction, center line delivery
- Submersible motor-Jacketed / Non-Jacketed
- Closed / semi-open impeller
- Usable for submergence upto 10 meters (submergence upto 30 m on request)
- Two mechanical seals for effective sealing of the motor
- Silicon Carbide v/s Silicon Carbide mechanical seal face combination on sewage side for longer seal life
- 'Contra Bloc' system on request, for liquids having bundling fibrous solids

Motors

Type : 3 ph, Dry Induction motor
 Voltage : 380 / 415 / 440 / 550 Volts
 Frequency : 50 / 60 Hz
 Protection : IP 68
 Insulation : Class F / H
 Cable : Multi core, PVC insulated, copper conductor

Range

Capacity	upto 5000 cumph
Head	upto 75 m
Discharge size	upto 600 mm NB
Solid throughlet	upto 100 mm dia
Motor rating	upto 500 HP
Liquid Temperature	upto 50° C



Materials of construction

Casing, Impeller	Cast Iron / Alloy C.I. / St.Steel, Ni resist / Duplex St.Steels
Shaft	AISI 410 / EN8
Motor parts	Cast Iron / Alloy C.I. / St.Steel/ Ni resist / Duplex St.Steels

Built in motor protections

- Thermister protection against winding overheating
- Seal wearout sensor
- Reverse rotation protection
- Bearing temperature sensor (On request)
- Moisture sensor for leakage in stator housing (On request)

Other Submersible Pumps / Treatment Equipment

SUBMERSIBLE PROPELLER PUMPS : KDP



Capacity : upto 6000 cumph
 Head : upto 6 m
 Delivery Nozzle : upto 600 mm NB
 Power : upto 400 HP

SUBMERSIBLE VORTEX PUMPS : KDV



Capacity : upto 140 cumph
 Head : upto 25 m
 Delivery Nozzle : upto 80 mm NB
 Power : upto 8 HP
 Solid throughlet : upto 35 mm dia.

SUBMERSIBLE GRINDER PUMPS : KDG



Capacity : upto 25 cumph
 Head : upto 4 m
 Delivery Nozzle : 32 mm NB
 Power : upto 15 HP

VERTICAL DRY PIT SEWAGE PUMPS : DVD



Capacity : upto 5000 cumph
 Head : upto 75 m
 Delivery Nozzle : upto 600 mm NB

SUBMERSIBLE AERATORS : KDA



Power : upto 60 HP
 Ejector Nozzle : upto 4 nos.

SUBMERSIBLE MIXER : KDX



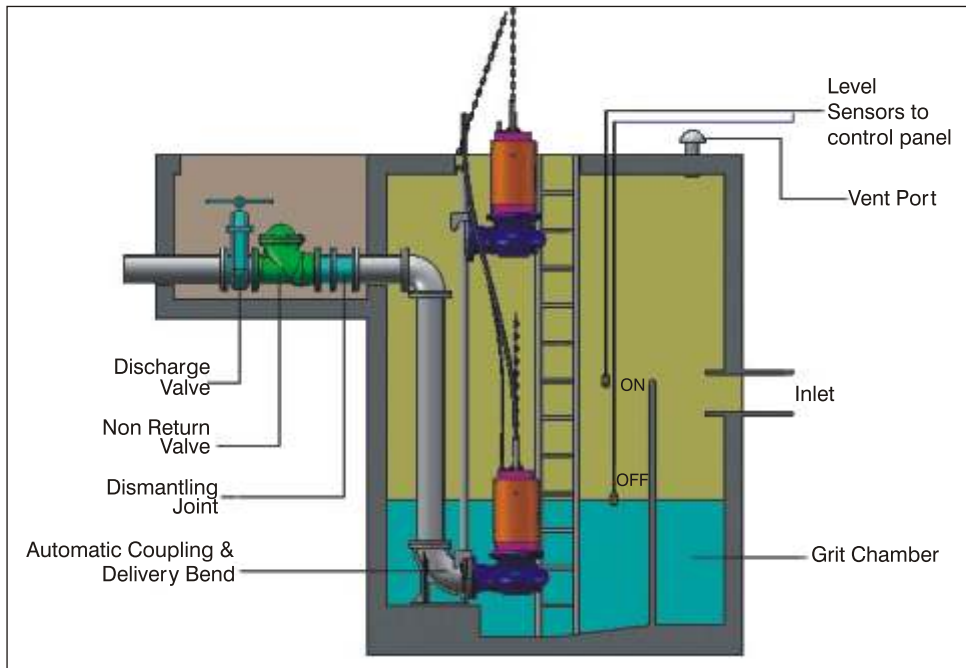
Displacement capacity : upto 3200 cumph
 Power : upto 30 HP

SUBMERSIBLE MIXERS : KDH

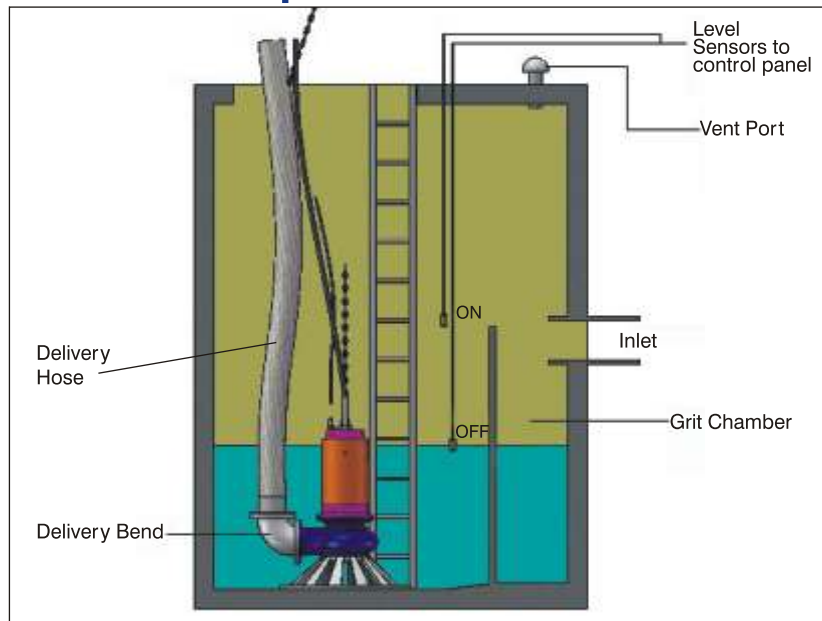


Capacity : upto 100 cumph
 Power : upto 2 HP

Wet well-stationary installation

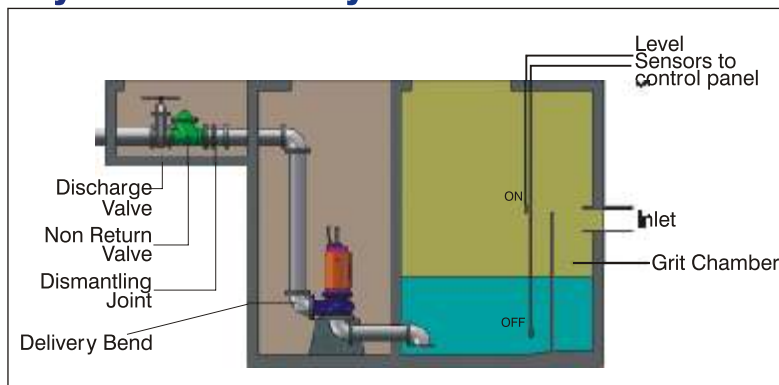


Wet well-transportable installation



INSTALLATIONS

Dry well stationary installation



Accessories



CONTROL PANELS / PUMP MONITOR

KISHOR supplied control panels are designed to meet the basic requirements of motor protection like overload and single phasing protection and also to take care of extra motor protection in our design.

It is necessary that pumps are operated by these control panels / pump monitors to ensure prolonged trouble free working.



DISMANTLING JOINTS

For easy installation of pipelines and valves where a number of units are installed in a station, suitable size dismantling joints are available in sizes upto 600 mm dia. These collapsible joints make it possible to remove specific pieces of equipment or fittings conveniently.



NON RETURN BALL VALVES

Non return ball valves extremely well suited for handling water containing fibrous material and solids are available in sizes upto 400 mm NB

The world counts on us also for...

- **Chemical Process Pumps** : **VERSA**
- **Thermic Fluid Pumps** : **INFRA**
- **Cleanable Liquid Pumps** : **SANI**
- **Industrial Water Pumps** : **FLEXI**

Due to constant Research & Development, information is subject to change without notice. Colours do not signify materials. Product photographs may depict accessories which are not part of standard scope of supply.

 **KISHOR PUMPS**
...Your Pump Company

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