



About Us ∩Ω∩

Shukan Engineering has established in the year of 1998. The co. has 21 years experience in the field of manufacturing & marketing of various types of Industrial & Chemical Pumps. In general the pump is a heart of industries. So you never solve your pumping problems by purchasing good make pumps. The solution is behind its application, pump's proper selection, piping, installation and experience at both ends. So our main aim is matching the right pumps to the right systems. And also share our experience with you with best after sale's service.

We can also supply the pumps as per custom design & their modification and suggestion. We believe in accepting challenges & offer tailor made solutions to fulfill customer requirements. **Shukan Engineering** began with a view to be manufacturers, marketers & exporter of High Quality Pumps for all Industries that blend engineering with technological expertise & with the purpose of customizing cost-effective solutions for the specific requirements of varied industries and wide applications.

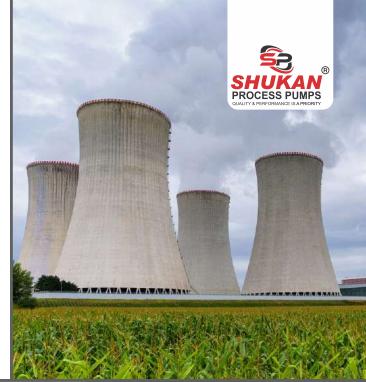
Our engineering professionals utilize powerful, ultra modern technologies in the design, prototyping and testing of new and

refined equipment. Emphasis on focused manufacturing centers and processes improves both quality and on-time delivery performance. Our continuous quality improvement system further enhances the durability and reliability of our products

Shukan Engineering manufactures all products which obtain higher level of performance by corrosion-resistant, reliability and interchangeability. This helps in reduction of costs & wear & tear of the machine.

Our product portfolio includes High End Chemical Process Pumps used in Thermic Fluid Heaters, Plywood Industries, Laminates Industries, Paper Industries, Salt Industries, Fertilizer, MEE Plant, Oil Plant & Refinery, Chemical Industries, Petrochemical Industries, Sugar Industries, Textiles Industries, Oil Industries, Mining Industries, Fire Fighting, Zero Discharge Effluents Plant, Agro Industries and many more.

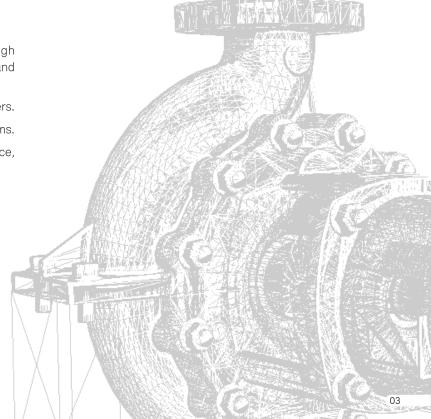






Our Mission

- We solve tough industrial pumping challenges through innovation and service excellence to improve productivity and reduce downtime for our customers.
- Maintaining healthy business relations with all our customers.
- Offering best possible competitive rates & commercial terms.
- To facilitate the correct pumping solutions through experience, innovation and integrity.



Aircooled Hot Oil Pump

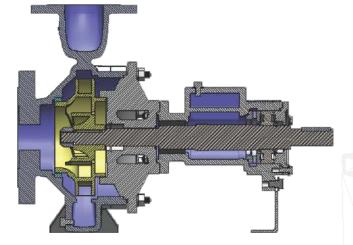
Edible Oil Pump, Thermic Fluid Pump





Materials

- Carbon Steel(WCB)
- · Alloy Steel
- CF8M(SS 316)
- Graded Cast Iron
- CF8(SS 304) CF3(SS304L)
- CF3M(SS 316 L)



Operating range

 Capacity
 Up to 300 m³/hr

 Head
 Up to 150 mtr

 Pump Size
 25 mm to 150 mm

 Temperature
 Up to + 350°

 Speed
 1450/2900 RPM at 50 Hz & 3500 RPM at 60 Hz

Applications

- · Thermic Fluid Oil Circulation, Oil Refinery
- Edible Oil Circulation, Plywood & Laminate Industries
- · Petrochemical Industries, Boiler Industries, Textile Industries
- Food industry, Leather Industries, Rubber Industries
- · Asphalt & Bitumen Industries
- Plastic & Fiber Industries
- Thermal Heating System
- · Chemical & Refinery Plant, Solvent Plant
- Paper & Sugar industries
- Palm Oil Mills and Refineries, Food Industries

- · Horizontal volute casing pump in back pull-out design.
- · DIN 24256 ISO 2858 Standard Dimension.
- Mechanical Seal Fitted.
- High Temperature Heat Transfer Fluid without Need to External Cooling.
- · High efficiency Hydraulic design.
- · Heavy duty shaft and high Temperature Bearings.
- · Low NPSH, Noise and maintenance free.
- · Steady head & capacity.
- Several flange drilling options according to valid standards.
- Suitable with V-belt drive or direct coupled with a motor.
- These pump are designed so that there is no need for external cooling
- Due to natural convection the pump temperature decreases towards the roller bearing.

TYPE SPP-EY Series For Thermal Boiler

Hot Oil Circulation Pump, Thermal Oil Circulation / Edible Oil Circulation (Water cooled Pump)

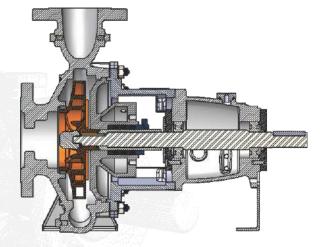






Materials

- · Graded Cast Iron
- · Alloy Steel
- CF8M(SS 316)
- · Carbon Steel(WCB)
- · CF8(SS 304)
- CF3M(SS 316 L)



Operating range

| Capacity | Up to 300 m³/hr | |
|-------------|-----------------------------|--|
| Head | Up to 150 mtr | |
| Pump Size | 25 mm to 125 mm | |
| Temperature | Up to 350° | |
| Speed | 960/1450/2900 RPM at 50 Hz | |
| | 1150/1750/3500 RPM at 60 Hz | |

Applications

- Hot Oil Circulation, Oil Refinery, Thermic Fluid Boiler
- · Plywood/Laminate Industries, Packaging Industries
- · Resin Plant, Agro Industries, Food Industries
- · Chemical Process, Bulk Drugs & Pharmaceutical Industries
- Edible Oil Circulation, Oil Refinery Mill, Hot Water Circulation, Heat Exchanger
- Petrochemical Industries, Textile industries
- · Salt Industries, Solvent Industries, Brine Industries
- · Palm oil mills and Refineries, Oil Extraction & Waste
- · Rubber Industries, Asphalt Plant, Fertilizer Plant
- · Sugar Plant, Power, Steel, Volatile Liquids

- · Horizontal, End Suction Pump, Centrifugal Pump.
- · Back pull out design fitted with Radial Impeller.
- Main Pump Dimension are compatible with DIN 24256 Conform to ISO 2858 dimensions.
- Radial vanes are used behind the impellers to lower the pressure and to balance the thrust (axial force.) Low NPSH.
- The pump and the motor are connected by means of a flexible coupling on a common base plate.
- Maintenance of the pump is very easy.
- The shaft and other rotating parts can be removed without dismantling the suction and the discharge system
- Since the pump uses many standard parts, spare parts are readily available.

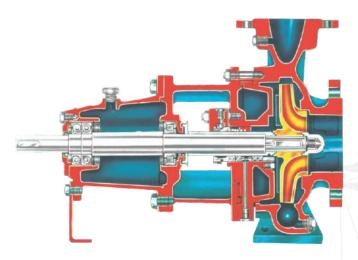
Centrifugal Process Pump



Materials

- Graded Cast Iron
- Alloy Steel
- CF8M(SS 316)
- · CD4MCU (Duplex Steel)
- Alloy 20 (CN7M)
- Super Duplex S.S.
- Bronze
- · Carbon Steel(WCB)

- · CF8(SS 304)
- CF3M(SS 316 L)
- · Nickel & Ni-Alloys
- Ni-Resist
- R55
- · Duplex Stainless Steel
- 2-1 nicl Hastelloy-B/C



Operating range

| Capacity | Up to 1100 m³/hr | |
|-------------|-----------------------------|--|
| Head | Up to 150 mtr | |
| Pump Size | 25 mm to 300 mm | |
| Temperature | Up to 350° | |
| Speed | 960/1450/2900 RPM at 50 Hz | |
| | 1150/1750/3500 PPM at 60 H- | |

Applications

- Chemical Process Industries, Fertilizer Plants, Laminate, Sea Water, Marine/Ports & Ceramic industries
- Handling pulp stock up to 7% consistency in Pulp & Paper Industries.
- Handling Sugar Juice, Bagasse Slurries, Effluent, Water Thin & Thick Sludge in Sugar Industries.
- All liquor applications in Pulp & Paper Industries.
- Palm oil mills and Refineries, Food Industries.
- · Waste water treatment plant, Starch Industries.
- Salt, Rubber, General Industrial Services etc.
- · Bulk Drugs and Pharmaceutical
- Heating and Air Conditioning Plants
- · Sugar Plants, Cement & Slurry, Agriculture, Textile
- · Hot & Chill Water Supply/Chiller plant
- · Jet Dyeing, Soft Flow Dying
- · Organic and Inorganic Liquids Refineries
- Dves & Intermediates
- Effluent Treatment Plants/MEE Plant
- · Cooling Tower & Fire Fighting
- · Power, Steel, Volatile Liquids, Oil Extraction and Waste

- · Single stage Closed & semi open impeller.
- Casing wear plate for protect the volute casing.
- · Back pull out design.
- · Conform to ISO 2858 dimensions.
- · High efficiency Hydraulic design.
- · Heavy duty shaft, sleeve and bearings.
- · Low NPSH
- · Single & Double Mechanical Seal Fitted.
- · Noise and maintenance free.
- One roller bearing on pump end, two angular contact ball bearing with oil lubricated.
- Several flange drilling options according to valid Standards.
- Suitable with V-belt drive or direct coupled with a motor.

Chemical Process Pump

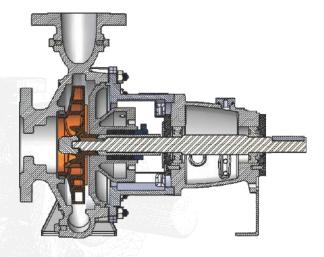




Materials

- Graded Cast Iron
- · Alloy Steel
- CF8M(SS 316)
- · CD4MCU
- Alloy 20
- 2-1 nicl
- · Super Duplex S.S.
- Bronze

- · Carbon Steel(WCB)
- CF8(SS 304)
- CF3M(SS 316 L)
- · Nickel & Ni-Alloys
- Ni-Resist
- R55
- Duplex Stainless Steel
- · Hastelloy-B/C



Operating range

| Capacity | Up to 640 m³/hr | |
|-------------|------------------------------|--|
| Head | Up to 90 mtr | |
| Pump Size | 25 mm to 150 mm | |
| Temperature | Up to 150° | |
| Speed | 960/1450/2900 RPM at 50 Hz & | |
| | 1150/1750/3500 RPM at 60 Hz | |

Applications

- In Jet Dying / Soft Flow Dying Machine, Dyes & Pigment Industries, Chemical Plant.
- · Handling Salt Slurry, Brine Circulation, Acid Transfer.
- · Handling Sugar Juice, Bagasse Slurries, Effluent.
- · Water Thin & Thick Sludge in Sugar & Steel Industries.
- · All liquor applications in Pulp & Paper Industries.
- Palm Oil Mills and Refineries, Food Industries & Resin Plant
- Waste Water Treatment Plant, Starch & Agro Industries
- Salt, Rubber, General Industrial Services, Ceramic Industries, Petrochemical Industries

- · Single stage open & semi open impeller.
- · Casing wear plate for protect the volute casing.
- · Back pull out design
- Conform to ISO 2858 dimensions
- High efficiency hydraulic design
- · Heavy duty shaft, sleeve and bearings
- Low NPSH, Noise and maintenance free
- Steady head & capacity
- One roller bearing on pump end, two angular contact ball bearing with oil lubricated.
- Several flange drilling options according to valid standards.
- Suitable with V-belt drive or direct coupled with a motor.

Type Open Impeller/Semi-Open Impeller

Pump for CRP Plant/ Condensate Plant/ MEE Plant/Zero Discharge Plant Solvent Recovery/ Evaporation Plant





Materials

- Graded Cast Iron
- Alloy Steel
- SS 316
- Super Duplex S.S.
- Bronze

- Carbon Steel(WCB)
- SS-304,SS304L
- SS 316L
- Duplex Stainless Steel
- Hastelloy-B/C,Alloy-20

Operating range

| Capacity | Up to 72 m³/hr |
|-------------|------------------------------|
| Head | Up to 60 mtr |
| Pump Size | 25 mm to 100 mm |
| Temperature | Up to 200° |
| Speed | 960/1450/2900 RPM at 50 Hz & |
| | 1150/1750/3500 RPM at 60 Hz |

Applications

- · Caustic Circulation, ETP, STP, Filter Press Feeding, Slurry Transfer, Kerosene, Diesel Circulation.
- · Organic/Inorganic Chemical Intermediates Industries.
- Food, Textile, Laminate, Cement, Steel Industries.
- · Pharmaceutical, Dyes & Intermediate, Textile Industries, Solvents Recovery & Extraction Plant
- · Scrubber application, Evaporation, Effluent, Water Thin & Thick Sludge in Sugar Industries.
- · All liquor applic. in Pulp & Paper, Sugar, Salt & Starch Indust.
- Palm Oil Mills and Refineries, Food, Waste Water Treatment Plant, Starch, Salt, Rubber, General Industrial Services etc.

Features `

- Back pull out non-clog design.
- Single stage semi open impeller.
- · Compact design using less floor space.
- · Easy maintenance, replaceable parts.
- · High efficiency hydraulic design.
- · Heavy duty shaft, sleeve & bearings, Low NPSH
- Single & double mechanical seal, Grease/oil lubricant bearings,
- Suitable with V-belt drive or direct coupled with a motor.

Rotary Gear Pump



Materials

- Graded Cast Iron
- Alloy Steel
- CF8M(SS 316)
- Carbon Steel(WCB)
- CF8(SS 304)
- CF3M(SS 316 L)

Operating range

- Up to 195 m³/hr Capacity
- Head Up to 100 mtr
- Pump Size 12 mm to 200 mm
- Up to 200° Temperature
- Speed 960/1450/2900 RPM at 50 Hz

Applications

- To Deliver a Variety of Light & Viscous Liquids such as Oil, Fats.
- Highly Viscous or Semi Viscous Liquids like Ammonia, Bleaches.
- Coal, Tar, Dyes, Fruits Juice, Gasoline, Glycerin, Glue & Grease.
- · Paints & Molasses, Soap Solution etc.

- Self priming pumps with five mtr. Suction lifts.
- Easy maintenance, longer life, economical.
- Bush bearing with a heavy shaft.
- Continuous duty, Handle multiple liquids.
- Compact in size, low noise, high efficiency.
- An inbuilt pressure relief valve.
- · Double helical gears to reduce axial thrust.

High Flow Low Head / Mix Flow Pump(SMF Series)

Effluent Treatment Plant, Sea Water Distillation, De-Watering Application





Materials

- Graded Cast Iron
- Alloy Steel
- · CF8M(SS 316)
- CD4MCU
- Alloy 20

- Hastelloy-B/C, Hi- Chrome
- CF8(SS 304)
- CF3M(SS 316 L)
- · Duplex Stainless Steel
- · Super Duplex S.S.

Operating range

Capacity

Pump Size

Head

Speed

Up to 600 m³/hr

40 mm to 200 mm

1450/2900 RPM at 50 Hz

1750/3500 RPM at 50 Hz

Up to 50 mtr

Operating range

| Capacity | Up to 7000 m³/hr |
|-----------|------------------|
| Head | Up to 30 mtr |
| Pump Size | Up to 650 mm |

Applications

- SMF Pumps are especially used for pumping of large quantities of liquid with Impurities against low & medium head.
- The field of application of these pump include water work municipalities covering pumping of drainage water & supplying water from settings tanks.
- In irrigation & agriculture for lift irrigation, in industries for circulation for Hot & Cold water, Air Conditional Plants, Power Station, Text Tile Mills.
- · Handling Salt Slurry, Brine Circulation
- Effluent, Sea Water, Thin & Thick Sludge in Sugar industries.
- · Waste Water Treatment Plant, Municipality Water Plants

Features

- These are end suction single stage pump, Horizontal shaft, Volute type pumps.
- Suitable for Coupling with Electric Motors, I.C. Engines either directly or through Belt Drive/Gear box.

Sewage Mud Pump



Materials

- Graded Cast Iron
- · Alloy Steel
- CF8M(SS 316)
- · Carbon Steel(WCB)
- · CF8(SS 304)
- · CF3M(SS 316 L)

Applications

- Effluent and Sewage
- Treatment Plant
- Petroleum Product Handling
- Construction Sites
- Agriculture Purpose
- De-watering Purpose
- Swimming Pools
 Loading & Transfer Of Oil
- _____
- · Re-rolling Mills

- Spirits
- Filter Press
- Trenches
- TICHCHE
- Pits
- · Steel Plant
- Thermal Plant
- · Rain & Storm Water
- Slurry Material Handling

Mud

Marine

Chemicals

Hotel

Incinerator

- · Non-clogging designed for high efficiency. Semi open impeller.
- Heavy duty built in volute having self priming features and integrally cast with base from closed grained C.I. Castings.
- · Quick automatic self priming action.
- No foot valve required. No priming of suction pipe line.

Type PP Series

Polypropylene Corrosion Resistant Centrifugal Pumps



Operating range

| Capacity | Up to 295 m³/hr |
|-------------|----------------------------|
| Head | Up to 60 mtr |
| Pump Size | 25 mm to 100 mm |
| Temperature | Up to 70° |
| Speed | Up to 3500 rpm |
| Pressure | Up to 6 kg/cm ² |
| | |

Materials

PP, PVDF

Applications

- Electro Plating, Pickling & Steel Rolling Mills.
- Excellent for transfer & loading-unloading like HCL, Sulphuric Acid, Alkali, Caustic liquid.
- Scrubbing of corrosive gases like NH₃, Co₂, So₃, So₂, F₂, Br₂, etc.
- For handling liquids in various industries like Paper, Cellulose, Sugar, Textile, Steel, Food, Having temp. range, Materials, etc.
- · Ideal for circulation of chemical in Metal finishing industry.
- Filter press for Dyes & Chemicals, De-scaling, Oil & other Fuel.

Features

- · Designed to suit extremely corrosive duties in the process & chemical industries.
- · Suitable for continuous service.
- Self venting type casing.
- · Dynamically & hydraulically balanced impeller with aerodynamic profile vanes.
- · Pump casing is provided with external metal ring for construction stability.
- · Grease / oil lubricant bearings
- Pumps are fitted with either mechanical seal or gland packing depending on the service conditions.
- · Shaft & sleeve of different material depending on the compatibility of the liquid to be handled.

Horizontal Single Stage Suction Pump



Operating range

| Capacity | Up to 200 m³/hr |
|-------------|-----------------------------|
| Head | Up to 100 mtr |
| Pump Size | 40 mm to 100 mm |
| Temperature | Up to 140° |
| Speed | Up to 3500 rpm |
| Pressure | Up to 10 kg/cm ² |

Materials

- Graded Cast Iron
- Alloy Steel
- CF8M(SS 316)
- · Super Duplex S.S.
- CD4MCU
- Alloy 20
- CF8(SS 304)
- CF3M(SS 316 L)
- Hastelloy-B/C,
- Hi-Chrome
- · Duplex S.S.

Applications

- Filter press feeding, Slurry transfer, Zink & Copper plant
- ETP, STP & Waste Water treatment plant
- EVA-operator, Scrubber application
- Dyes & Intermediates, Steel Rolling mills
- · Pulp & Paper, Sugar, Salt, Starch industries, Ceramic, General industrial services etc.

- Single stage semi open impeller.
- · Special design for filter press application.
- · Reduce gland leakage.
- · Heavy duty shaft, sleeve & bearings.
- Noise & maintenance free.
- · Long life due to replaceable wearing parts.
- · High efficiency low power consumption.
- · Grease / oil lubricant bearings.
- Only positive (+V) suction head.
- · Suitable with V-belt drive or direct coupled with a motor.

Vertical Long Shaft Sump Pump

Effluent Treatment Plant, Sea Water, De-Watering Application





Materials

- · Graded Cast Iron
- Alloy Steel
- CF8M(SS 316)
- Super Duplex S.S.
- · CD4MCU
- Alloy 20
- · CF8(SS 304)
- CF3M(SS 316 L)
- Hastelloy-B/C, Hi-Chrome
- · Duplex S.S.

Applications

- · Sulphuric Acid, Nitric Acid, HCL Transfer.
- · Solvents, Diesel & Petrol Transfer.
- · Light Slurries, Organic Chemical Processing.
- · Water, Cold Water, Effluent, Cleaning Product & Hydrocarbons.
- · Zink & Copper Plant.
- · Salt, Pharmaceutical, General Industrial Services etc.

Features

- Designed to meet specific lengths & application requirements.
- Base plate designed to meet exiting support arrangements.
- · Standardized & modular design.
- Standard shaft sealing by Oil seal, Mechanical seal or Stuffing box packing.
- · Column pipe protects the shaft.
- · Supports the eventual intermediate bush bearings.
- · Suction strainers, Simple mounting & Self priming.
- Optimized hydraulic performance.
- · Compact design using less floor space.
- · Close / Semi open impeller.
- Easy maintenance, Replaceable parts.
- · Heavy duty shaft, Sleeve & bearings.

Operating range

CapacityUp to 300 m³/hrHeadUp to 35 mtrPump Size25 mm to 125 mmTemperature50°SpeedUp to 2900 rpmPressureUp to 3.5 kg/ cm²

Slurry Pump

Pump Length 3 mtr



Materials

- · HI-Chrom & Carbon Steel
- SS316/316L
- · 304/304L
- Graded Cast Iron

Operating range

Capacity
Head
Up to 2200 m³/hr
Up to 70 mtr

Pump Size 75 mm to 300 mm

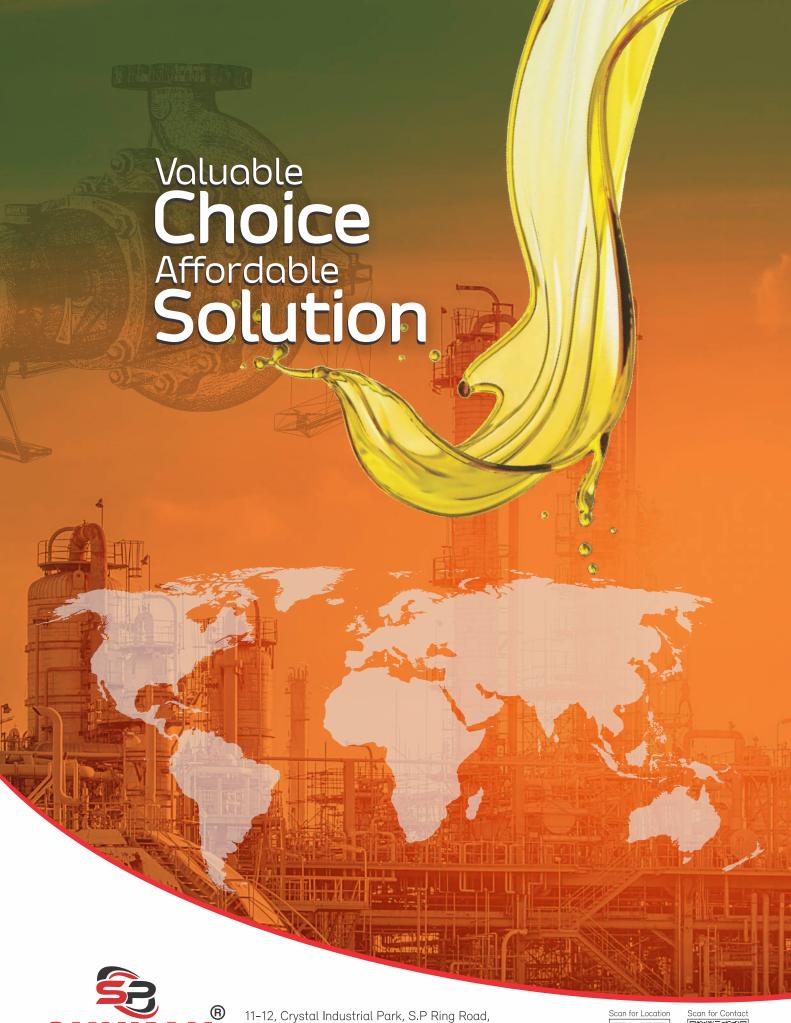
Pressure 150 PSI (10.5 kg/cm²)

Applications

- Slurry pumps are used widely throughout the beneficiation section of the mining industry where most plants use wet separation systems. These systems usually move large volumes of slurry through the process.
- Slurry pumps are also widely used for the disposal of ash from fossil fuel power plants. Other areas where slurry pumps are used include the manufacture of fertilizers, land reclamation, mining by dredges & the long distance transportation of coal & minerals.
- Increased global focus on the environment and energy consumption will certainly generate much wider uses for slurry pumping in years to come.

Features

 Makes maintenance quick easy. Replacement of wearing parts can be done in the field. With the two parts casing, it is possible to replace the worn front cover without changing the complete casing





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