



SRIVIN ENGINEERING COMPANY

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Pumping Solutions



- Centrifugal pumps
- Submersible sewage pumps
- Submersible dewatering pumps
- Submersible aerator pumps
- Vertical multistage pumps
- PP/PVDF process pumps
- Self-priming nonclog pumps
- Gear pumps
- Barrel pumps
- Air operated double diaphragm pumps
- Thermic fluid pumps
- Vertical sump pumps
- Hydro-pneumatic booster system
- Fire fighting pumps
- Triplex plunger pumps
- Metering pumps (Plunger/ Diaphragm type)
- Electrical control panels

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Pump Type	Technical Data	Features & Applications
<u>Monoblock Pump</u>	 <ul style="list-style-type: none"> • Capacity: 2.7 - 200 m³/hr. • Head: 75 m. • Temp: Max. 70° C • MOC: Impeller: CI/Br/SS • Shaft Sleeve: Br/SS • Shaft: CS/SS • Casing: CI 	<p>Features :</p> <p>Single stage. Centrifugal pump with end suction & top delivery. Dynamically balanced rotating parts to prevent vibrations during operation. Low maintenance</p> <p>Applications:</p> <p>High rise buildings. Air conditioning systems. Refrigeration. Agriculture Irrigation. Drip & Sprinkler System. Cooling towers. Gardening & Nurseries.</p>
<u>End Section Centrifugal Pump</u>	 <ul style="list-style-type: none"> • Capacity: Up to 750 m³/hr • Head : Up to 160m • Operating speed: 2900/1450 rpm • Liquid Temp. : -15° C to 110° C • MOC: CI/CS/SS 	<p>Features :</p> <p>Centrifugal pump. Single stage. End suction & top delivery, back pull out design with sturdy structure. Dynamically balanced rotating parts thus low noise & less vibrations. Offered with stuffing box sealing with gland packing/mechanical seal. Low maintenance cost.</p> <p>Applications:</p> <p>Water supply system. HVAC. Air Conditioning. Booster system. Fire Fighting System. Irrigation. Liquid transfer in industry. Cooling towers.</p>
<u>Self Priming Nonclog / Mud Pump</u>	 <ul style="list-style-type: none"> • Capacity : Up to 250 m³/hr • Head: Up to 48m • Delivery: 40-150mm • Permissible Solid Size: 25mm • MOC: CI/CS/SS304/SS316 	<p>Features :</p> <p>Horizontal, self-priming non clog monoblock pumps available up to 15HP. Coupled sets with electric motor & diesel engine available. No need of foot valve, portable when fitted on trolley/trailer, easy maintenance & spares availability.</p> <p>Applications:</p> <p>ETP & STP liquids. Dewatering from basements, godowns, mines, construction sites. Pumping in industries of effluents, light chemicals etc. Municipal drainage projects. Paper & Textile mills. Food processing plants.</p>
<u>Horizontal Split case Pump</u>	 <ul style="list-style-type: none"> • Capacity: Up to 2200 m³/hr • Head: max 180 m • Temp. : Up to 110°C • MOC: Casing CI/3% Ni 	<p>Features :</p> <p>Horizontal, axially split casing, single stage, double suction or single suction volute type of pump with horizontal shaft. Low NPSH & good reliability, easy maintenance by removing upper half casing.</p> <p>Applications:</p> <p>Irrigation projects. Water works. Air conditioning projects. Firefighting. Power plants. Fertilizer plants. Paper mills. Sugar industry etc.</p>

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Vertical Inline Multistage Pump 	<ul style="list-style-type: none">• Capacity: Up to 110 m³/hr• Head: Max. 320m• Liquid Temp. : -15° to +120°C• MOC: SS304/SS316	Features : Energy efficient due to smooth flow passage, advanced hydraulics design, light weighted, compact, leak free due to reliable mechanical seal. Applications: Pumps for high heads in booster system in high rise buildings. In water treatment industry, boiler feed, food processing industry etc.
High Pressure Pumps 	<ul style="list-style-type: none">• Capacity: 0.4~55.0 m³/hr• Head: Max. 670m• Liquid Temp. : -15°C +120°C• MOC: SS304 & SS316	Features : These Pumps are vertical, multistage in-line. Applications: Water treatment. Reverse osmosis system. Booster system. High pressure boiler feed. Sea water desalination. RO system.
Horizontal Multistage Pumps 	<ul style="list-style-type: none">• Capacity: 0.5~28.0 m³/hr• Head: Max 60m• Liquid Temp. : -15°C~+110°C• MOC: SS304 & SS316	Features : Compact design, low noise & long service life. Easy to install & operate. Energy efficient. Applications: Air conditioning system. Cooling system. Industrial cleaning. Water treatment. Fertilizing/Metering system. Environment application.
Horizontal Centrifugal Pump 	<ul style="list-style-type: none">• Capacity: 3.0~200.0 m³/hr• Head: Max. 70m• Liquid Temp. : -20°C~+100°C• MOC: SS304 & SS316	Features : Sturdy, lightweight & energy efficient. Applications: Water supply. Industrial liquid transfer. Water treatment. Filtration. Slightly corrosive chemical transfer.

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<u>In-line Circulation Pump.</u>	<p>Capacity: 4.0~1200.0 m³/hr</p> <ul style="list-style-type: none"> • Head: Max 90m • Operating Temp. : -15°C~+110°C • MOC: Cast iron with stainless steel impeller 	<p>Features :</p> <p>Compact. Occupies less space due to vertical design.</p> <p>Applications:</p> <p>Urban water supply. Industrial water supply. HVAC and in-line pressure boosting etc.</p>
<u>Non metallic Horizontal Process Pump</u>	<ul style="list-style-type: none"> • Capacity: Up to 100 m³/hr. • Head: Max 45m. • Liquid Temp. : Up to 70°C • MOC: Polypropylene & PVDF 	<p>Features :</p> <p>This is horizontal, centrifugal, end suction & top delivery pump. Made from 100% virgin PP /PVDF for best resistance against corrosion and long lasting. Standard design ensures interchangeability of spares.</p> <p>Applications:</p> <p>Useful for handling corrosive chemicals in various industries and different applications.</p>
<u>Magnetic Drive Glandless Pump</u>	<ul style="list-style-type: none"> • Capacity: 0.6-34.2 m³/hr • Head: 32 m. max. • Operating Temp. : PP 70°C & PVDF 100°C • MOC: PP/PVDF, SS316 	<p>Features :</p> <p>No shaft seal to maintain & replace. High efficiency due to permanent magnet power coupling, simple design, easy to operate & maintain.</p> <p>Applications:</p> <p>Useful for handling highly corrosive chemicals, plating chemicals, toxic & fuming liquids.</p>
<u>Chemical Process Pump.</u>	<p>Capacity: Up to 750 m³/hr Max.</p> <ul style="list-style-type: none"> • Head: 155 m. Max. • Temp. : Up to 150°C • Operating speed: 1450 & 2900rpm • MOC: CI/SS/Alloy20/Haste alloy 	<p>Features :</p> <p>Centrifugal horizontal with end suction & top delivery.</p> <p>Applications:</p> <p>Organic and inorganic liquids. Refineries. Petrochemical and Fertilizer plants. Chemical process industries. Thermal power plants. Heating and air conditioning plants. Drugs and pharmaceuticals. Desalination plants.</p>

Pump Type	Technical Data	Features & Applications
<u>Vertical Sump Pump</u>	 <ul style="list-style-type: none"> • Capacity: Up to 750 m³/hr • Head: 90 m. Max. • Max. stem length: 5.0 m. • MOC: CI/ SS/ PP 	<p>Features :</p> <p>Centrifugal single stage pump with downward axial suction. Weather proof construction. Radial bearings are lubricated either by the pumped liquid or through clear liquid from an external source.</p> <p>Applications:</p> <p>Condensate recovery. Circulation of industrial water. Acids & acidic water in metal & sewage treatment plants.</p>
<u>Thermic Fluid Pump</u>	 <ul style="list-style-type: none"> • Capacity: 750 m³/hr Max.. • Head: 155 m. Max. • Liquid Temp. : 300°C Max • Operating speed: 1450 & 2900 rpm • MOC: CI/ SS 	<p>Features :</p> <p>Horizontal centrifugal pump with casing pedestal & bearing frame jacket for providing cooling circulation.</p> <p>Applications:</p> <p>Refineries. Petrochemical and fertilizer plants. Chemical process industries. Thermal power plants. Drugs and pharmaceuticals etc.</p>
<u>AODD Pump</u>	 <ul style="list-style-type: none"> • Capacity: Up to 15 m³/hr • Head: 50-60 m • Diaphragm: PTFE/Rubber • MOC: Aluminum, PP & SS 	<p>Features :</p> <p>The pump is air operated double diaphragm type. Self-priming & Variable speed. Runs dry without damage.</p> <p>Applications:</p> <p>Used for transfer of acids, solvents, chemicals, paint, polymers, sauce, slurry, soap, animal feed, animal waste, fuel transfer, lube transfer. In coatings/ printing inks, adhesives transfer etc.</p>
<u>Barrel Pumps</u>	 <ul style="list-style-type: none"> • Capacity Range : 2-5 m³/hr. • Head : 15-50 m • Temp. : Up to 80° C • Length/ Dia : 1000/42 mm • Operating : Pneumatic/Electric • MOC : MS/ SS with electric motor (FLP/ non FLP) & Pneumatic operated 	<p>Features :</p> <p>Adjustable flow rate, self-priming, easy to maintain, light weight.</p> <p>Applications:</p> <p>Used for transfer of acids, solvents, chemicals, fuel transfer, lube transfer, printing inks, adhesives, oil, petrochemicals, diesel and fuels etc.</p>

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<u>Electronic Dosing Pump</u>	  <ul style="list-style-type: none"> Pump strokes per minute: 120 Max Pressure Minimum: 13 Kg/cm² Flow: 0 to 2 LPM Power supply: 230V, AC MOC: PP, SS316 	<p>Features :</p> <p>Maintenance free, easy to operate, economical, inbuilt air relief valve solid PTFE diaphragm. Double NRV, check valves, less noise, minimum SPM. Optionally, digital display of SPM available.</p> <p>Applications:</p> <p>Water/ Chemical treatment plants. RO systems etc.</p>
<u>Metering Pump</u>	 <ul style="list-style-type: none"> Capacity: 0 to 5000 LPH Temp. : Up to 250° C Pressure: Up to 500 Kg/cm². MOC: SS/PTFE/PP 	<p>Features :</p> <p>Plunger and diaphragm type. High metering accuracy. In built relief valve. Versatile and suitable for any liquid including toxic and hazardous.</p> <p>Applications:</p> <p>Pharmaceutical. Chemical. Process plants. Sugar mills. Cement plants. RO and water treatment etc.</p>
<u>Triplex Plunger Pump</u>	 <ul style="list-style-type: none"> Capacity: Up to 15 m³/hr Temp. : Up to 80° C Pressure: Up to 1000 Kg/cm² MOC: Liquid End SS Grade 	<p>Features :</p> <p>Extra heavy duty power frame ensures uninterrupted smooth long life.</p> <p>Applications:</p> <p>Reverse Osmosis. Boiler feed. Spray drier. Hydro testing. Chemical injection. High pressure homogenization. Dairy & food processing industry etc.</p>
<u>Stainless Steel Gear Pump</u>	 <ul style="list-style-type: none"> Capacity: 1.5-21 m³/hr. Temp. : 250° C Max. Size: ½" to 2 ½" Pressure: 10 Kg/cm² 	<p>Features :</p> <p>Pump for viscous liquid. PTFE coated bush for smooth performance in dry bearing condition. Easy cleaning & maintenance. Optional steam jacket.</p> <p>Applications:</p> <p>Food and Beverages. Pharmaceutical Industry. Dyeing and printing houses. Chemical industries. Cosmetic industries etc.</p>

Pump Type	Technical Data	Features & Applications
<u>Heavy Duty Gear Pump</u>	 <ul style="list-style-type: none"> • Capacity: 0.5-200 m³/hr • Temp. : 90° C Max. • Size: 1/2" to 8" • Pressure: 12 Kg/cm² Max. • MOC: CI 	<p>Features :</p> <p>Pump for viscous liquid. Heavy duty gear pump designed for continuous application, herringbone rotor design eliminates side thrust.</p> <p>Applications:</p> <p>Steel plant. Power plant. Petroleum industries. Refineries. Pumping Stations. Tanker loading & un-loading etc.</p>
<u>Lobe Pump</u>	 <ul style="list-style-type: none"> • Capacity: 0.3-21.4 m³/hr • Size: 1" to 4" • Pressure: 30 Kg/cm² Max. • Temp. : 250° C Max. • MOC: SS316 	<p>Features :</p> <p>Pump for viscous liquids, food grade type. Robust construction. Compact size. High efficiency. Reversible operation. Hygienic design. Easy maintenance.</p> <p>Applications:</p> <p>Food industries. Chemical industries. Pharmaceutical industries. Dairy industries. Petrochemical industries. Sewage plants etc.</p>
<u>Submersible Dewatering Pump</u>	 <ul style="list-style-type: none"> • Capacity: Up to 300 m³/hr • Head: Up to 110 m • Liquid Temp. : 5°C~40°C • MOC: Pump casing in CI & Impeller in SS 304 	<p>Features :</p> <p>High efficiency, closed type, chromium nickel steel impeller. Robust SS-304 outer casing & strainer. Double mechanical seal. High cooling effect due to side discharge channel. Continuous operation.</p> <p>Applications:</p> <p>Tank cleaning. Storm water drainage pumping in residential and commercial buildings. Dewatering application. In infrastructure.</p>
<u>Submersible Sewage Pump</u>	 <ul style="list-style-type: none"> • Capacity: Up to 300 m³/hr • Head: Up to 50 m. • Range: 0.5 HP - 50 HP • Operating Speed : 2900/1450/ 970 rpm • MOC: CI body, impeller and motor housing is SS304. 	<p>Features :</p> <p>Available with auto control panel. Large impeller clearance allow the pumps to handle solids efficiently. Maintenance free.</p> <p>Applications:</p> <p>Sewage handling of domestic & industrial sector. Medium concentration waste water, heavy duty waste water from factories, ETP/STP/ WTP application.</p>

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<u>Submersible Grinder Cutter Pump</u>	 <ul style="list-style-type: none"> • Capacity: Up to 25 m³/hr • Head: Up to 35 m. • Range: 1.5 HP - 7.5HP • MOC: CI Pump casing, cutter SUS440C & shaft in SS410 	<p>Features :</p> <p>Available with auto control panel.</p> <p>Applications:</p> <p>Sewage and waste water transfer for hotel, domestic and commercial buildings. Kitchen waste water transfer. Hospital waste water transfer. Waste water transfer in slaughter houses.</p>
<u>Submersible Aerator Pump</u>	 <ul style="list-style-type: none"> • Capacity: 40-875 m³/hr • Size: Up to 85 (kg-O₂) • Liquid Temp. : 5°C~40°C. • MOC: CI pump casing. 	<p>Features :</p> <p>360 degree aeration with large convection area High OTR due to micro bubble size and infinite number of bubbles Effective and efficient aeration along with agitation Easy reduction of BOD level from waster water Minimum noise level (less than 40 dB)</p> <p>Applications:</p> <p>BOD reduction in waste water Aeration and agitation of waste water Sewage and industrial waste treatment facilities Aeration & mixing processes SBR process</p>
<u>Submersible Jet Aerator Pump</u>	 <ul style="list-style-type: none"> • Air Capacity: 5~100 m³/hr • OTR (Max): Up to 4.8 (kg-O₂) • Liquid Temp. : 5° C~40°C • MOC: CI pump casing 	<p>Features :</p> <p>High oxygen transfer rate. Biochemical oxygen demand easy to remove from waste water treatment. Provide coarse/gross bubbles. Easy reduction of BOD level from waste water.</p> <p>Applications:</p> <p>BOD reduction in waste water Aeration and agitation of waste water Aeration & mixing of waste water in treatment plant.Preliminary aeration of a septic tank Preliminary aeration of industrial water treatment facilities</p>
<u>Booster Equipment/ Hydro Pneumatic System</u>	 <ul style="list-style-type: none"> • Capacity: 5-500 m³/hr • Temp. : -15° C - + 70°C • Pressure: 16 kg/cm² max. • Material: SS304 material 	<p>Features :</p> <p>Energy efficient pumping system. Available with VFD panel. Easy installation & auto operation.</p> <p>Applications:</p> <p>Water supply for high rise buildings, residential complexes and villas, public places such as hospitals, schools, gyms, golf courses, airports. Commercial buildings such as hotels, office buildings, departmental stores. Irrigation. Amusement parks. Orchards. Farms etc.</p>