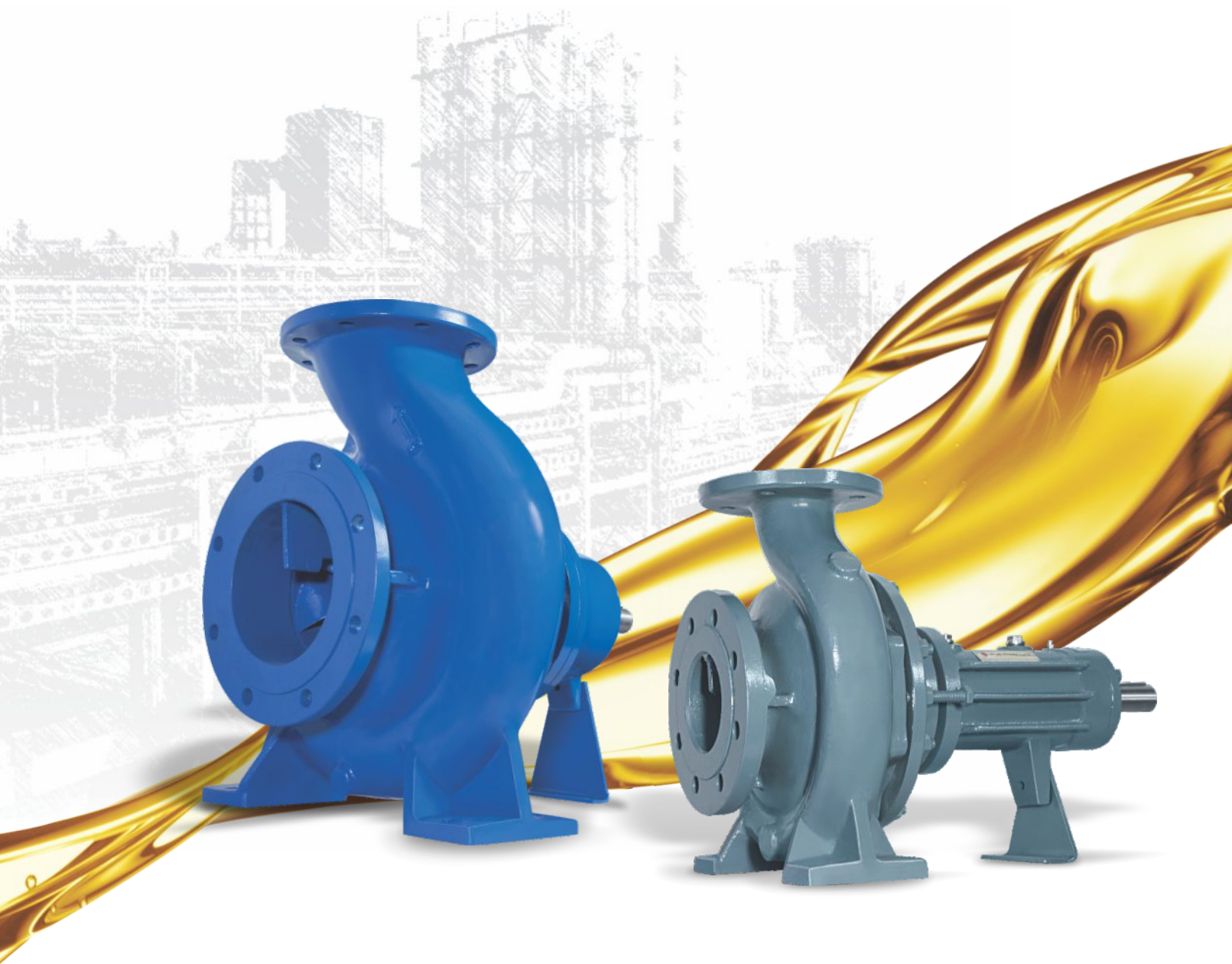


# Revolutionising Fluid Controls



**Sujal<sup>TM</sup>**  
**Engineering**  
Continuous Flow Solutions

It's *Important* to set your **Own Goals**  
and **Work hard** to **Achieve them**



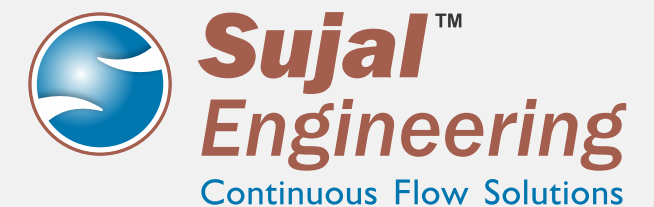
**Quality**  
That  
**Outperform**

## VISION

- At Sujal Pump, our vision is to operate as a global player within the sphere of pump manufacturing with the help of sustained performance.
- We are determined to achieve progressive results when it comes to our goals of making pumps.
- We at Sujal Pumps strongly believe that advanced and progressive changes must be implemented within the pump industry and we intend to carry them out.
- Our company is focused to be one of those brands that drive the change.

## MISSION

- Our mission is to always create the finest quality products and drive constant innovation as well as up-gradation of technology to achieve our goals.
- We always believe in improvisation and we aim to use our skills to improve the quality of the things we do and the products we manufacture.
- The only thing that satisfies us is our ability to surpass ourselves & come up with products that ensure superior performance.
- Our Philosophy is always to think innovatively, learn continuously, maintain quality in our work and adhere to transparency in dealings.





## A Journey Through 20 Years

SUJAL PUMPS, an ISO 9001:2015 accredited company, is India's leading manufacturer of pumps. Founded in 2009 in Ahmedabad by industry veteran Mr. Rasik Patel, SUJAL PUMPS has been delivering custom-built & innovative pumping solutions to address the diverse requirements of their clientele. We maintain the highest quality standards aligned with best industry practices to provide accurate performance for time-sensitive and multi-layered environments. Our value-added solutions are aimed to streamline your industrial processes significantly. SUJAL PUMPS delivers powerful, innovative, and effective pumping solutions.

### INNOVATIVE AND CUSTOM-MADE PUMPS & COMPONENTS

Our unique technology-based manufacturing, unlike traditional methods, delivers precise machines while reducing the cost of the product. The alloys that we use for making pumps are fully traceable and certified. We specialize in building custom pumps including chemical pumps that work with substances like Sulphuric Acid, Sodium Hydroxide, Hydrochloric Acid, Acetic Acid and Ammonium Chloride. We have the experience, technology and know-how to handle critical projects successfully.

We maintain a centrally managed quality management system. Our state-of-the-art manufacturing facility combined with the technical team of experts guarantees the best quality parameters that are implemented to produce cutting-edge, user-friendly pumps and their components. The latest CNC machining systems with fully equipped assembly & fabrication shops, computerized testing batches, a painting booth and an integrated warehousing system add to our production capacity.



#### INNOVATIVE

Improving, advancing and designing are all part of the process which allows us to introduce the most up-to-date products to the market. We constantly evaluate and review the performance of our hardware to ensure that we continue to exceed our customers' expectations.



#### DESIGN

Our products are designed solely with safety in mind. Quality is achieved by using premium materials, selected for their strength & corrosion resistance.



#### EXCELLENCE

Delivering outstanding customer service is embedded in our company culture. We believe customer service is an extension of the quality products we produce. This is why our experienced product consultants are always on hand to help you choose the best Pumping product to meet your specific requirements.



#### QUALITY

We use the best materials to the highest specifications, using alloys that are certificated and fully traceable. We are ISO 9001:2015 accredited, re-enforcing our passion for quality throughout our entire company and product range.



#### PRECISION

We continuously invest in the most advanced machinery which allows us to achieve exceptional manufacturing tolerances and finish specifications. We use this technology not just to our own advantage, but to the advantage of our customers for improved performance and reliability.



#### OUR STAFF

Our employees are our number one asset. Our goal is to recruit the best candidates in the industry and retain them for a long, progressive career.



#### SERVICE SUPPORT

SUJAL PUMPS understands that proper service and support are crucial for the growth of a business. We also strive to help our clients grow properly during their association with us. We understand that it is only through maintaining such longstanding relationships with our clients can we hope to grow as a company. This is why we do not leave any stones unturned to make sure that our customers are happy with the quality of products and the after-sales services that we have to offer.

#### FAST & SEAMLESS CUSTOMER SERVICE

Our customer-oriented approach helped us hone end-to-end customer service facilities across all major markets around India. We are the local partners of our clients and our team of experts deliver a fast, flexible and fruitful response to our customers whenever they need it. Adhering to a transparent business policy helps us to collaborate with partners and clients to resolve any emergency efficiently and quickly.





# SUJAL PUMPS CENTRIFUGAL PROCESS PUMP

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## Single Stage Horizontal, End-suction, Back-pullout Pump



We manufacture the Centrifugal Pump that includes the end-suction and back-pull out type centrifugal pump. Our heavy-duty pump is capable to handle a wide spectrum of corrosive chemicals, starting from strongly oxidizing solutions to strongly reducing ones, at different temperatures and concentration, which can be used in different process plants.

## FEATURES

- As per ISO 2858 Dimensions.
- Back Pull-Out Design.
- Highly Efficient Performance.
- Durable Shaft, Sleeve & Bearings.
- Designed for Low NPSH.
- Noise & Maintenance Free.
- Single & Double Mechanical Seal.
- Single Stage Closed & Semi Open Impeller.
- Steady Head & Capacity.
- One Cylindrical Roller Bearing on Pump end, Two Angular Contact Ball Bearing with Oil Lubricated.
- Suitable with V-belt Drive or Direct Coupled with a Motor.

## OPERATING RANGE

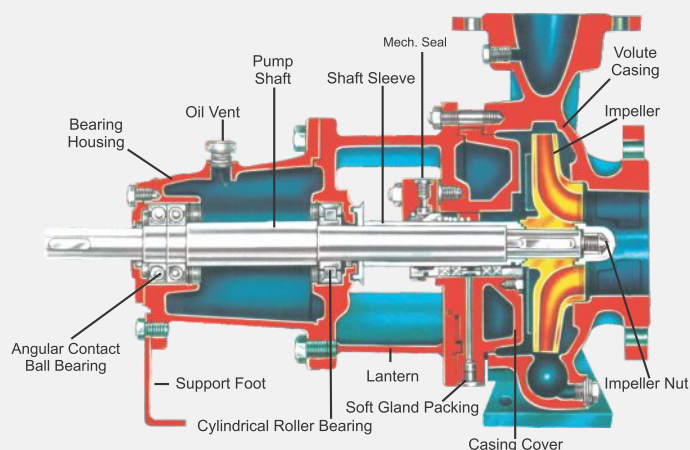
Capacity	: up to 2200 m <sup>3</sup> /hr
Head	: up to 150 mtr
Pressure	: up to 15 kg/cm <sup>2</sup>
Size	: 25 mm to 300 mm
Speed	: up to 3500 rpm
Temperature	: up to 350° C

## APPLICATIONS

- Hot and Cold-Water Circulation
- Effluent Treatment Plants
- Cooling Tower Installation
- Paper and Pulp Industries
- Thermic Fluid Boiler
- Heat Exchanger
- Chemical & Petrochemical Industries
- Sugar Plants
- Textile & Ceramic Industries
- Solvent Transfer
- Food Industries
- Laminate Industries
- Marine/ Ports
- Seawater & in many more Industrial & Applications.

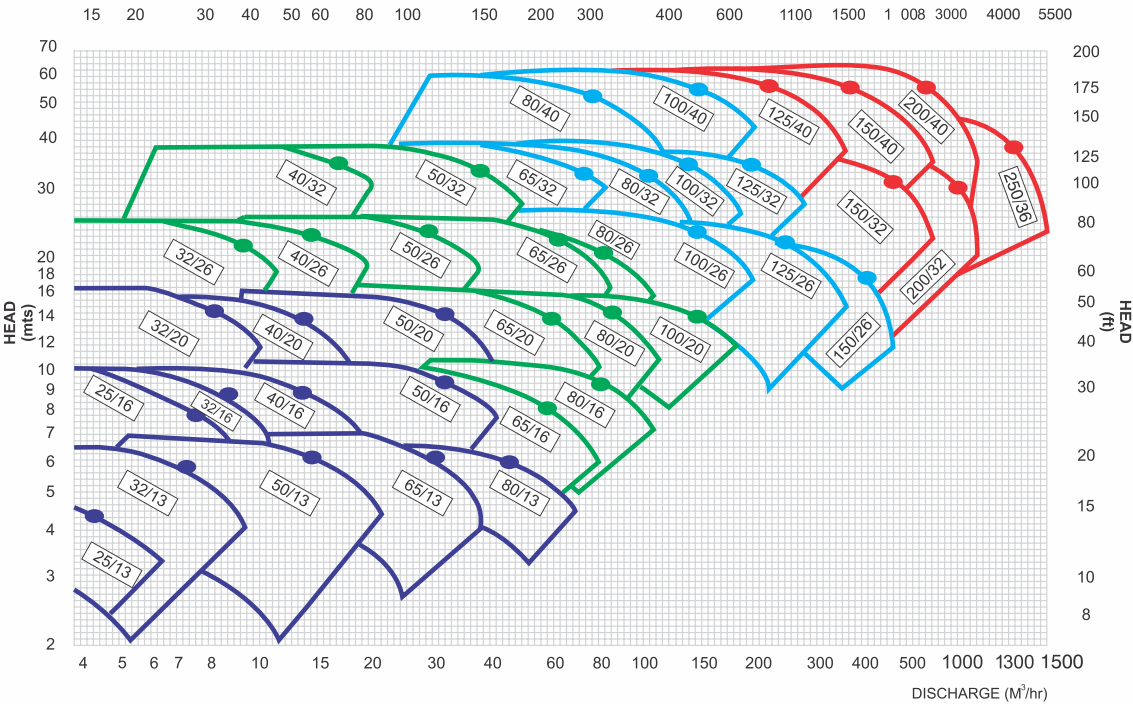
## MATERIAL OF CONSTRUCTION

Graded Grey Cast Iron	CE3MN (SS 2507)
Alloy Steel	Carbon Steel (WCB)
SS 316 (CF8M)	SS 304 (CF8)
SS 316L	Bronze
CD4MCU (Duplex Steel)	CN7M (Alloy 20) CN7M
Ni-Resist	SS 904L
CF3 (SS 304L)	Nickel & Ni-Alloys
CD3MM (SS 2205)	2-1 Nicl Hastelloy- B & C

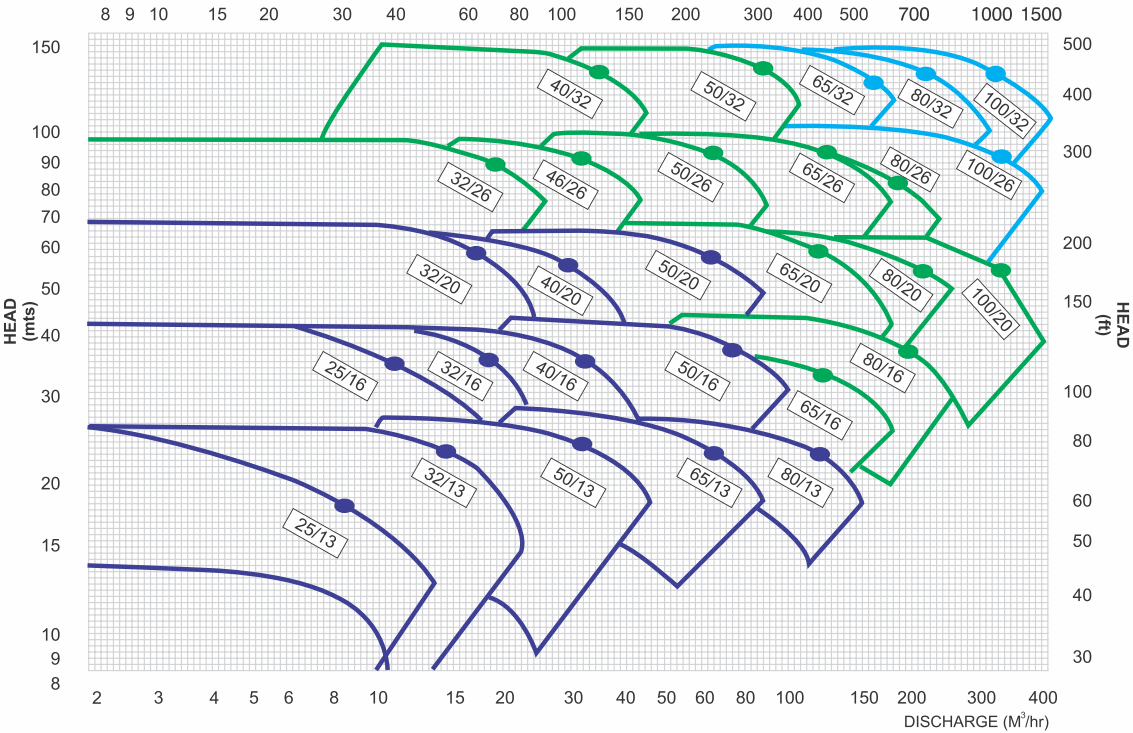




FAMILY CURVES FOR 1450 RPM

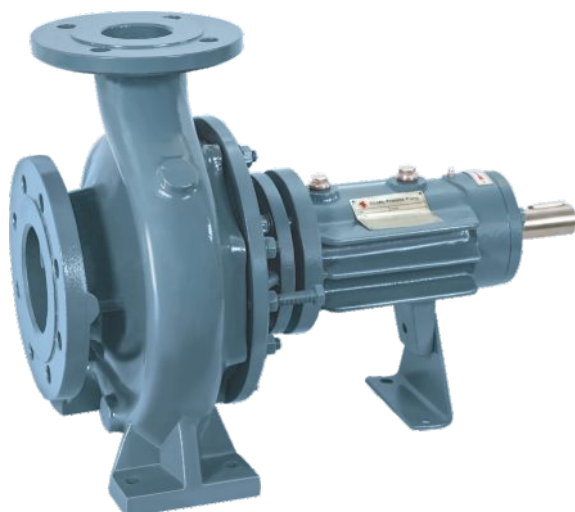


FAMILY CURVES FOR 2900 RPM



BEARING FRAME SIZE	25	35	45	55
	Optimum Point	Optimum Point	Optimum Point	Optimum Point





#### OPERATING RANGE

Capacity	: up to 360 m <sup>3</sup> /hr
Head	: up to 150 mtr
Pressure	: up to 15 kg/cm <sup>2</sup>
Size	: 25 mm to 125 mm
Speed	: up to 3500 rpm
Temperature	: up to +350° C
M.O.C.	: A 216 Carbon Steel (WCB), SS 316, SS 316L, SS 304, Graded Grey Cast Iron

#### APPLICATIONS

- Thermic Fluid Handling
- Hot Oil Transfer
- Edible Oil Industries
- Food & Drug Industry
- Plastic & Synthetic Fibre Industry
- Baking & Heating Application
- Vulcanizing & Heating Industry
- Leather Industries
- Wood & Ply Board Industries
- Rubber Industries
- District Heating System
- Various Chemical Industries
- Chemical & Refinery Plants
- Paper & Sugar Industry
- Textile Industry

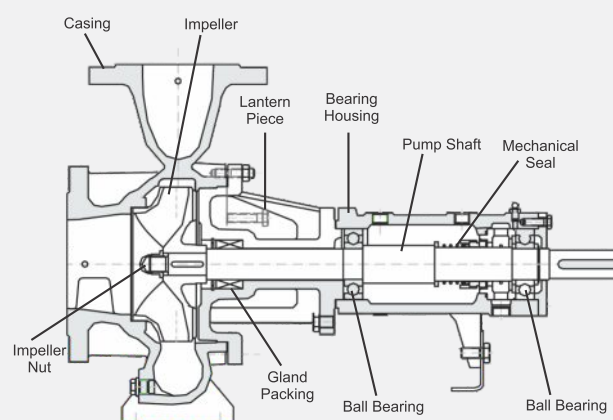
#### ADVANTAGES

- Standard Motor
- Insulation & Bearings
- Bearing Environment
- At Lower Temperatures
- Secondary Containment
- Eliminates The Concern of Fouling Caused by Poor Water Quality
- Bearing Wear Monitors Available

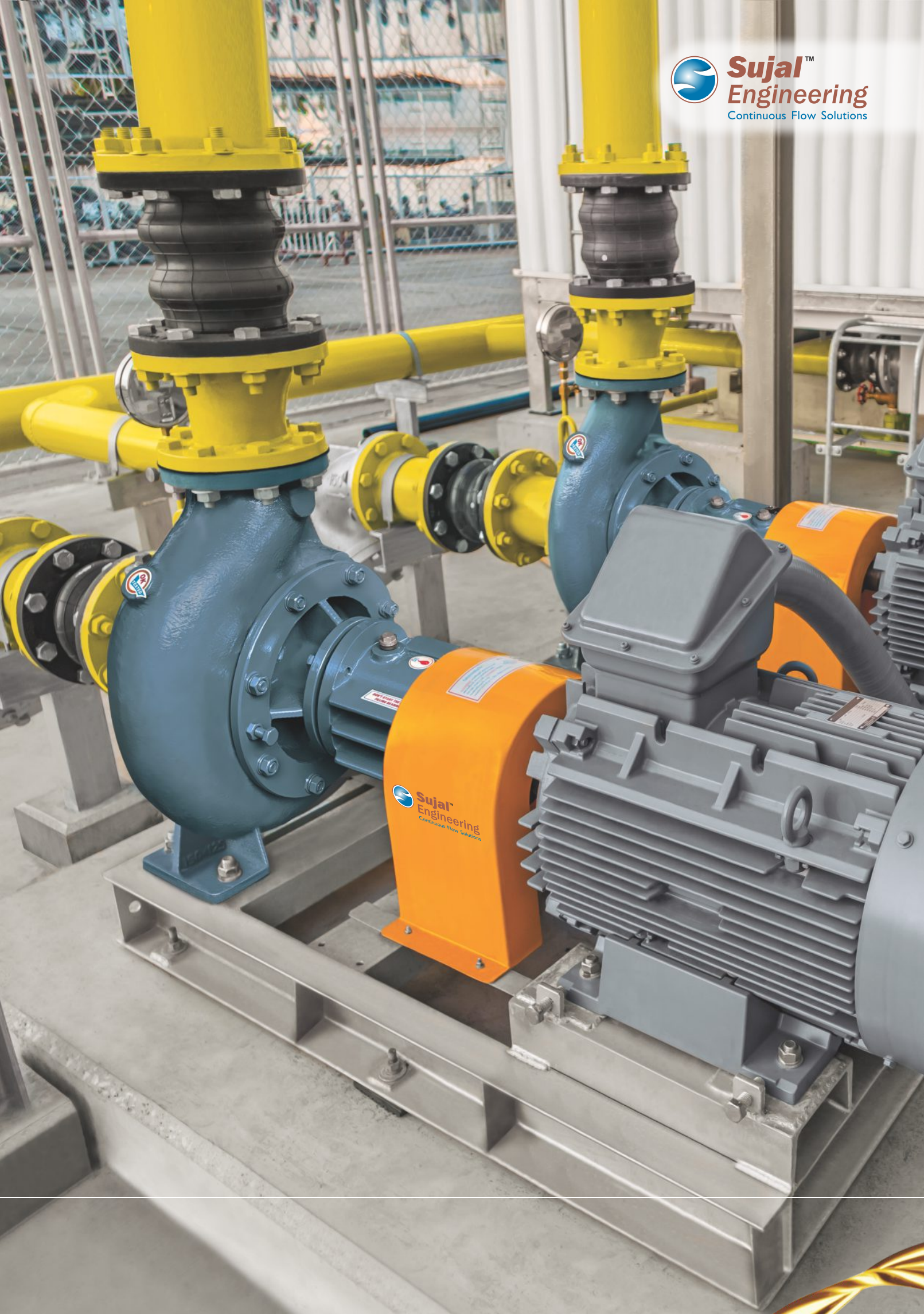
Sujal Engineering has manufactured heavy-duty Air Cooled Pumps for high-temperature applications. It is cost-effective with specially designed fins for natural convection. To drop the pressure on the sealing and to balance axial thrust, the impellers have back radial blades. There is a thermal resistant soft packing seal behind the impeller. It slows down the leakage and prevents the pumping to be stopped if there is mechanical seal damage. Air cooled pump designed by Sujal Engineering represent the highest quality and most effective air cooled industrial pump in the market.

#### FEATURES

- Single-stage, end suction, centrifugal volute pump.
- Main dimensions according to DIN 24256 (ISO 2858).
- Single entry, closed impeller is hydraulically thrust compensated and dynamically balanced.
- Pump & motor are separate components, connected to each other via a flexible coupling & mounted on a common base plate.
- Maintenance is very much easier, the impeller shaft & other rotating parts being removable with no need to disconnect the suction and delivery pipes.
- Maximum interchangeability of components, identical parts can be used with various sizes of a pump, which greatly simplifies and reduces stock of spare parts.
- No need to cool the pump externally. Thanks to mechanical design, the temperature drops from casing to the bearing rapidly with the help of natural convection.
- The shaft is designed according to the minimum heat transfer criteria.
- On the bearing housing, there are fins for natural convection. There are two roller bearings & mechanical seal in the bearing housing.
- The mechanical seal stands between two roller bearings and close to the roller bearing on the coupling side. This gives the mechanical seal longer working life since it is on a lower temperature region.









## SFP

### FILTER PRESS PUMP

Side Suction Centrifugal Pump (with Semi-Open Impeller)



#### OPERATING RANGE

Capacity	: up to 200 m <sup>3</sup> /hr
Head	: up to 100 mtr
Pressure	: up to 10 kg/cm <sup>2</sup>
Size	: 40 mm to 100 mm
Speed	: up to 2900 rpm
Temperature	: up to 300° C
M.O.C.	: Cast Iron, Cast Steel, SS 304, SS 316, SS 304L, SS 316L, Alloy 20, Hastelloy

Sujal Engineering has specially developed the finest quality of Filter Press Pump famous with SFP Series in the market. Filter Press Pump is a centrifugal type with semi-open, non-clogging impeller pump with single row deep grooved heavy-duty ball bearing with oil lubrication.

#### FEATURES

- Easy Maintenance with Replaceable Parts
- Specially Design for Positive Suction Head
- Long Life Due to Replaceable Wearing Parts
- Robust Design

#### APPLICATIONS

- Filter Press Feeding
- Effluent Treatment Plant
- Sewage Treatment Plant
- Dyes & Intermediates
- Steel Rolling Mills
- Slurry Transfer
- Ceramic
- Paper & Pulp
- Sugar & Food
- Eva-operator
- Scrubber Application

## SCP

### CHEMICAL PROCESS PUMP



#### OPERATING RANGE

Capacity	: up to 48 m <sup>3</sup> /hr
Head	: up to 60 mtr
Pressure	: up to 6 kg/cm <sup>2</sup>
Size	: 25 mm to 65 mm
Speed	: up to 3500 rpm
Temperature	: up to 135° C
M.O.C.	: CI, CS, SS 304/316, SS 304L/316L, Alloy 20, Hastelloy B or C, CD4 MCU, etc...

Sujal Engineering is a leading manufacturer of SCP Series known as Centrifugal Process Pump. Our chemical pumps are specially manufactured to assure that they are able to handle aggressive & corrosive liquids. Mainly chemicals pumps are used to transfer liquids from one container to another container. We have a large range of chemical pumps as per the chemical properties with different functional principles. We are well known for manufacturing a variety of chemical pumps for improving the operation and efficiency of process systems.

#### FEATURES

- Develop Higher Pressure
- Robust Construction
- High Efficiency
- Low Maintenance
- Able to Run at Lower Motor Speed

#### APPLICATIONS

- Hot & Cold Water Transferring
- Cooling Tower
- Heat Exchanger
- DM Water
- Steel Industries
- Ceramic Industries
- Chemical Plants
- Pharmaceutical Industries
- Dyes & Pigment Industries
- Petroleum Industries
- Purpose of Liquid Transfer
- Slurry Transfer
- Acid Transfer
- Salt Industries & in many more Applications & Industries.





# SPOP

## PULP & PAPER MILL INDUSTRIES PUMPS

Open & Semi Open Type



### OPERATING RANGE

Capacity	: up to 640 m <sup>3</sup> /hr
Head	: up to 55 mtr
Pressure	: up to 5.5 kg/cm <sup>2</sup>
Size	: 25 mm to 200 mm
Speed	: up to 1500 rpm
Consistency	: up to 7 %
Temperature	: up to 250° C
M.O.C.	: C.I, C.S., SS 304/304L, SS 316/316L, Bronze, Alloy 20, Cd4 MCU Hastelloy B & C, etc...

### FEATURES

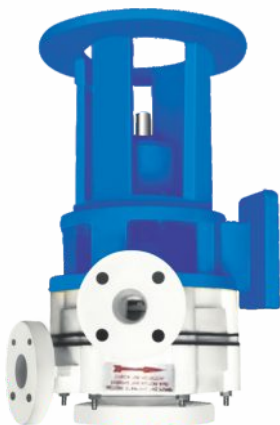
- 3 bearing design resulting in good continues process with high productivity.
- Back-pull-out design.
- Closed impeller insures high efficiency.

### APPLICATIONS

- Stock Pump
- Refiners Pump
- Fan Pump
- Centrifugal Cleaner Pump
- Back Water Pump
- Chest Pump
- Separator Pump
- Couch Pit Pump
- Turbo Feed Pump Etc...
- ETP, STP & Waste Water Treatment Plant, Fertilizers, Cement & Steel Industries.
- For Pumping Chemicals with Solids in Suspension.
- Polluted Liquids Widely Used for Public & Civil Engineering.

# SVPP

## VERTICAL POLYPROPYLENE SEALLESS GLANDLESS PUMP



### OPERATING RANGE

Capacity	: up to 55 m <sup>3</sup> /hr
Head	: up to 45 mtr
Pressure	: up to 4.5 kg/cm <sup>2</sup>
Size	: 25 mm to 50 mm
Speed	: up to 3500 rpm
Temperature	: up to 70° C
M.O.C.	: PP, PPCP, UHMWPE

### FEATURES

- Designed To Suit Extremely Corrosive Duties in The Process & Chemical Industries.
- No.1 Choice for Effluent Treatment Plants Since There are No Mechanical Seals / Glands.
- Can Run Dry Due to Absence of Shaft Seals.
- Few Parts Facilities Maintenance.
- Shaft and Sleeve of Different Material Depending on the Compatibility of the Liquid to be Handled.

### APPLICATIONS

- Electro Plating, Pickling & Steel Rolling Mills.
- Water Treatment Plant, Effluent Treatment Plant.
- Excellent for Transfer & Loading-unloading like HCL, Sulphuric Acid, Alkali, Caustic Liquid.
- Scrubbing of Corrosive Gases like Nh3, Co2, So3, So2, I2, F2, Br2, Ci2, etc..
- For Handling Liquids in Various Industries like Textile, Paper, Cellulose, Sugar, Steel, Food, Having Temperature Range, Materials, etc...
- Ideal for Circulation of Chemical in Metal Finishing Industry.
- Natural Choice for Pickling Line & Scrubber in Steel Plants.
- Filter Press for Dyes & Chemicals, Descaling, Oil & Other Fuels.





### SPP



Sujal Engineering is a leading manufacturer of SPP Series known as Polypropylene Pumps.

Our polypropylene pumps are designed especially for high corrosive chemicals where metal are not recommended or its cost is high.

#### ■ OPERATING RANGE

Capacity	: up to 50 m <sup>3</sup> /hr
Head	: up to 45 mtr
Pressure	: up to 4.5 kg/cm <sup>2</sup>
Size	: 25 mm to 50 mm
Speed	: up to 3500 rpm
Temperature	: up to 75° C
M.O.C.	: Polypropylene, PVDF

#### ■ APPLICATION OF SPP AND SPPL SERIES

- Excellent for transfer and Loading - Unloading like HCL, Sulphuric Acid/Alkali and Caustic Liquid.
- Water Treatment Plant, Effluent Treatment Plant, Electro Plating and Picking and Steel Rolling Mills.
- Scrubbing of Corrosive Gases Like NH<sub>3</sub>, CO<sub>2</sub>, SO<sub>3</sub>, SO<sub>2</sub>, SO<sub>2</sub>, I<sub>2</sub>, F<sub>2</sub>, Br<sub>2</sub>, Cl<sub>2</sub>, etc.
- For Handling Liquids in Various Industries Like Textile, Paper, Cellulose, Sugar, Steel, Food, Having Temperature Range, Materials etc.
- Ideal for Circulation of Chemical in Metal Finishing Industry.
- Natural Choice for Pickling Line & Scrubber in Steel Plants.
- High Capacity Transfer Pump, Filter Press for Dyes & Chemicals, Descaling, Oil & other Fuels.

### SPPL



Sujal Engineering is a leading manufacturer of SPPL Series known as Polypropylene Pumps.

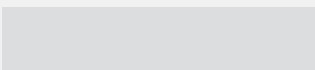
Our polypropylene pumps are designed especially for high corrosive chemicals where metal are not recommended or its cost is high.

#### ■ OPERATING RANGE

Capacity	: up to 300 m <sup>3</sup> /hr
Head	: up to 65 mtr
Pressure	: up to 6.5 kg/cm <sup>2</sup>
Size	: 50 mm to 150 mm
Speed	: up to 3500 rpm
Temperature	: up to 75° C
M.O.C.	: Polypropylene, PVDF

#### ■ FEATURES OF SPP AND SPPL SERIES

- High Alumina Ceramic Sleeve is Used to Protect Shaft from any type of Corrosion & Abrasion.
- Mechanical Seal Prohibits the Leakage from the Pumps Best Cast-iron Heavy-duty Oil Lubricated Bearing Housing Helps for Achieving Maximum Strength of Pumps.





# SMSP

## MUD PUMP

Self Priming Non Clog Mud Pump



### OPERATING RANGE

Capacity	: up to 75 m <sup>3</sup> /hr	M.O.C.:
Head	: up to 58 mtr	C.I., C.S., SS 304 /
Suc. Head	: up to 7 mtr	304L, SS 316 / 316L,
Pressure	: up to 5.8 kg/cm <sup>2</sup>	Bronze, Alloy 20,
Discharge Size:	32 mm to 80 mm	CD4MCU, Hastelloy
Solid Size	: up to 25 mm	B & C, etc...
Speed	: up to 3500 rpm	
Temperature	: 110° C	

# SMP

## MUD PUMP

Single Stage Horizontal Centrifugal Self Priming Mud Pump



### OPERATING RANGE

Capacity	: up to 650 m <sup>3</sup> /hr
Head	: up to 50 mtr
Pressure	: up to 5 kg/cm <sup>2</sup>
Size	: 40 mm to 200 mm
Solid Hand Size	: up to 25 mm
Speed	: up to 3500 rpm
Temperature	: up to 80° C
M.O.C.	: SS 316, SS 316L, SS 304, SS 304L, Duplex Stainless Steel, Super Duplex Stainless Steel Cast Bronze, Cast Steel, Cast Iron Hastelloy B & C, Alloy 20 etc....

### FEATURES

- Non-clogging Designed for High Efficiency. Semi Open Impeller.
- Heavy Duty Built in Volute Having Self Priming Features & 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.
- Perfect Sealing Assured by High Quality Mechanical Seal which cannot Run Dry Because of Internal Oil Reservoirs.
- Graded Casting & SS Shaft, Increase Service Life.
- Bearings Greased for Life, Save External Lubrication.
- Minimum Need for Inspection & Maintenance.
- Drive Options of Electric Motor, Coupled or Belt-drive.

### APPLICATIONS

- |                                     |                      |
|-------------------------------------|----------------------|
| • Effluent & Sewage Treatment Plant | • Pits               |
| • Petroleum Product Handling        | • Thermal Plant      |
| • Incinerator                       | • Mud                |
| • Agriculture & De-watering Purpose | • Marine             |
| • Swimming Pools                    | • Hotel              |
| • Loading and Transfer of Oil       | • Spirits            |
| • Re-rolling Mills                  | • Filter Press       |
| • Rain & Storm Water                | • Trenches           |
| • Steel Plant                       | • Construction Sites |
| • Slurry Material Handling          | • Chemicals          |

### FEATURES

- Non-clogging designed for high efficiency. Semi open type & are hand finished for perfect smooth flow.
- Heavy duty built in volute having self priming features & integrally cast with base from closed grained C.I. castings.
- Companion flanges are supplied along with pumps.
- Long life due to replaceable wearing parts.
- Quick automatic self priming action.
- Repairs possible without disturbing the pipe connection.
- Suitable for motor/engine, portable when fitted on trolley/trailer.
- No foot valve required. no priming of suction pipe line.
- Deep gland box used with graphite packing are lubricated by lantern ring with grease.

### APPLICATIONS

- Pier, Excavations, Pits, Pot-holes etc., Grampanchayat, Municipalities, Public Health Departments, Large Housing Colonies, industries like Chemical, Pharmaceuticals, Food, Cement, Paper, Sugar, Salt, Steel & Other for Liquid Cargo from Freighter, Barges.
- Mobile machinery-Cooling water for Marine Engines & Shovels.
- Civil construction de-watering foundations, Trenches & Pits, Filter Press Feeding, ETP, STP, Waste Water treatment plant.
- De-watering, Mud, Marine, Effluent, Hotel, Loading & Transfer of Oils, Spirits, Swimming Pools, Gas, Oils, Engine cooling.
- Vessels, Industrial-pumping Petroleum products.
- Public utilities-sewage pumping.





## SSTP

### HEAVY HORIZONTAL SLURRY TRANSFER PUMP



#### ■ OPERATING RANGE

Capacity : 10,000 gpm (2275 m<sup>3</sup>/hr)  
Head : 240 ft (73 m)  
Pressure : 150 psi (1,035 kPa)  
Size : 75 mm to 300 mm  
M.O.C. : Carbon Steel / Hi-Chrom, SS 316 / 316L,  
SS 304, SS 410, Grey Cast Iron etc.

#### ■ FEATURES

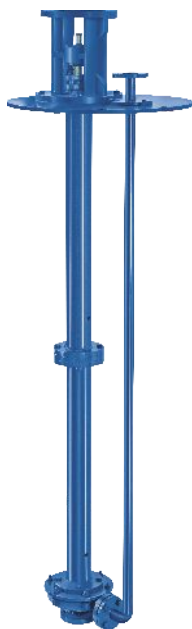
Makes maintenance quick and easy. Replacement of wearing parts can be done in the field. With the two parts casing, it is possible to replace the worn front cover without changing the complete casing.

#### ■ 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, and the long distance transportation of coal and minerals.
- Increased global focus on the environment and energy consumption will certainly generate much wider uses for slurry pumping in years to come.

## SVSP

### VERTICAL LONG SHAFT SUMP PUMP



#### ■ OPERATING RANGE

Capacity	: up to 450 m <sup>3</sup> /hr	M.O.C. :
Head	: up to 60 mtr	A 216 Carbon Steel (WCB),
Pressure	: up to 6 kg/cm <sup>2</sup>	Hi-Chrome, SS 316,
Size	: 25 to 150 mm	SS 316L, SS 304,
Speed	: up to 2900 rpm	Graded Grey Cast Iron
Temperature	: up to 130° C	
Length	: up to 4 mtr	

Sujal Engineering is a leading manufacturer of SVSP Series known as Vertical Sump Pump or Long Shaft Pump.

#### ■ FEATURES

- Standardized Design
- Compact Design Using Less Floor Space
- Available in Close & Semi Open Impeller
- Easy Maintenance
- Robust Design
- Highly Durable Shaft, Sleeve & Bearings

#### ■ APPLICATIONS

- Water, Cooling Water, Effluent, Cleaning product.
- Zinc & Copper Plant
- Pharmaceutical Industries
- ETP, STP & Waste Water Treatment Plant.
- EVA-Operator, Scrubber Application.
- Slurry transfer
- Dyes & Intermediates, Steel Rolling Mills.
- Pulp & Paper, Sugar, Salt, Starch Industries.
- Solvents Transfer
- Light Slurries, Organic Chemical Processing.
- Ceramic, General Industrial Services etc.

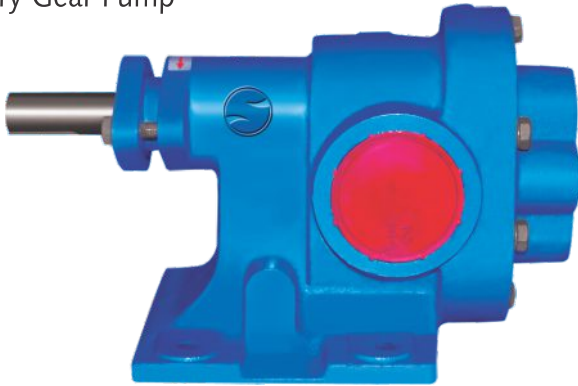




# SGP

## GEAR PUMP

Single & Double Helical (Multi Purpose)  
Rotary Gear Pump



### OPERATING RANGE

Capacity	: up to 195 m <sup>3</sup> /hr	M.O.C. : SS 316, SS 316L,
Head	: up to 100 mtr	SS 304, SS 304L, Duplex
Pressure	: up to 10 kg/cm <sup>2</sup>	Stainless Steel, Super Duplex
Size	: 12 to 200 mm	Stainless Steel, Cast Bronze,
Speed	: up to 1500 rpm	Cast Steel, Cast Iron,
Temperature	: up to 200° C	Hastelloy B & C, Alloy 20 etc.

### FEATURES

- Self Priming Pumps with Five Mtr. Suction Lifts
- Compact in Size, Low Noise, High Efficiency
- Easy Maintenance, Longer Life, Economical
- An Inbuilt Pressure Relief Valve
- Bush Bearing with a Heavy Shaft
- Double Helical Gears to Reduce Axial Thrust
- Continuous Duty
- Handle Multiple Liquids
- Unique Design

### APPLICATIONS

- To Deliver a Variety of Light & Viscous Liquids Such as Oil, Fats, Coal, Tar, Paint and Molasses.
- Highly Viscous or Semi Viscous Liquids Like Ammonia, Bleaches, Coal, Tar, Dyes, Fruits Juice, Gasoline, Glycerin, Glue & Grease.
- Paints, Soap Solution Etc...

# SCSP

## PROGRESSIVE CAVITY SCREW PUMP



### OPERATING RANGE

Capacity	: up to 145 m <sup>3</sup> /hr	M.O.C.: SS 316, SS 316L,
Head	: up to 250 mtr	SS 304, SS 304L, Duplex
Pressure	: up to 25 kg/cm <sup>2</sup>	Stainless Steel, Super Duplex
Size	: 25 to 150 mm	Stainless Steel, Cast Bronze,
Speed	: up to 600 rpm	Cast Steel, Cast Iron,
Temperature	: up to 120° C	Hastelloy B & C, Alloy 20 etc.

### FEATURES

- Single rotating element, progressing cavities are generated which deliver a uniform, metered & non-pulsating flow.
- Head developed is independent of the rotational speed, where as the capacity is proportionate to the speed.
- Inherently self-priming, the pumps can work on snore & do not require a foot valve.
- Can Handle solids in suspension or medium containing a high percentage of solids.
- Suction lift capabilities of up to 9.5 mtr. and effective even in high vacuum conditions.
- Minimum degradation of shear-sensitive media & can also Handle highly viscous materials having pseudo-plastic characteristics.
- Due to the reversible rotation capabilities, progressive cavity pumps can perform with equal efficiency in either direction.
- Rotors turn inside a resilient stator & thus generate little noise.

### APPLICATIONS

- Sewage Effluent & Water Treatment Plant.
- Sugar, Starch, Cement, Pulp & Paper industries.
- Ceramics, Chemicals, Fertilizers, Soap & Detergents, Cosmetics.
- Paint, Varnish, Petrochemicals, Vegetable Oils, Mining, Steel, Rubber.
- Construction, Manmade fibers, Fisheries, Oil exploration.
- Pharmaceuticals, Cattle feed, Brewery & Distillery, Power.
- Dairies, Winery, Food & Beverages, Abattoir & Meat processing.
- Plantations, Fruit processing, Dye stuff, Textiles.





# SAOD

## AIR OPERATED DIAPHRAGM PUMP



### OPERATING RANGE

Flow	: up to 55 m <sup>3</sup> /hr	Discharge Size: 12 to 80 mm
Head	: up to 70 mtr	Air inlet Size : ¼" to ½"
Pressure	: up to 7 kg/cm <sup>2</sup>	Solid Size : Max. 12 mm
Temperature	: Max. 120° C	M.O.C. : SS 316, SS 304,
Air Exhaust Size: ½" BSP		PP, PVDF, Aluminium etc.

### APPLICATIONS

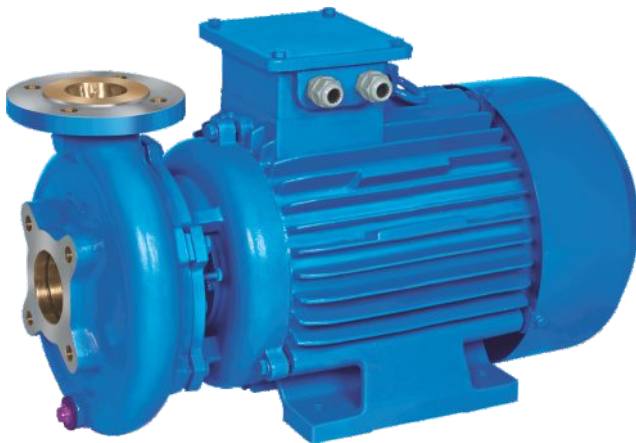
- Solvents
- Acids
- Caustics
- High Viscous Liquids
- Abrasive Media
- Hazardous & Flammable Liquids
- Barrel Loading -Unloading
- Filter Press & Transfer
- Slurry Transfer

### SUCTION LIFT

Rubber Diaphragm:	Dry : 4.5 mtr
	Wet : 7.5 mtr
Teflon Diaphragm :	Dry : 3 mtr
	Wet : 6 mtr

# SCMP

## CENTRIFUGAL MONOBLOCK PUMP



### OPERATING RANGE

Capacity	: up to 4000 m <sup>3</sup> /hr
Head	: up to 88 mtr
Pressure	: up to 6 kg/cm <sup>2</sup>
Size	: 25 mm to 150 mm
Speed	: up to 2900 rpm
Temperature	: up to 70° C
Length	: up to 4 mtr
M.O.C.	: Grey Cast Iron, Bronze, Stainless Steel 316/304

Sujal Engineering is a leading manufacturer of SCMP Series known as Centrifugal Monoblock Pump.

### FEATURES

- Horizontal, Centrifugal, Monoblock (pump & motor have been combined to form a single unit) type pump fitted with single stage closed Impeller in Volute Casing having axial end suction and vertical centerline delivery.
- No fear of motor burning due to wide operating voltage range & Non-overloading power characteristics at any operating point.
- Advantage of mounting space saving due to elimination of base plate, coupling and coupling guard.

### APPLICATIONS

- Industrial usage such as Cooling, Heating, Circulating, Boosting, Air Conditioning, Refrigeration & Cold Storage systems.
- Agriculture usage such as General Irrigation, Sprinkler Irrigation & De-watering systems.
- Civil usage such as water supply schemes for Buildings, Hotels & Commercial Complexes.
- To handle clean as well as moderately aggressive liquids.





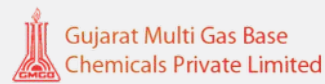
## SPARE



## CLIENTS



For a healthy growing nation







# **Sujal<sup>TM</sup>** **Engineering** Continuous Flow Solutions

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