



Prime Industries

Company Profile

Prime Industries was established with an ambition to provide perfect engineering and pumping solutions. Predominantly, the company works in manufacturing Industrial Pumps and other Pumping Tools that appropriate in your specific industrial supplies. By means of our excellent range of industrial pumps, we have supplied to self priming centrifugal mono block pumps, self priming bare shaft non clog pumps mechanical seal type and self priming centrifugal pumps the most multifaceted and challenging industrial sectors. Business has advanced technology and instrumentation for pump analysis and testing, which is done by using a high-tech pump testing capability.

Prime Industries has a solid, proficient and committed workforce managed by technocrats with long years of experience of conducting numerous grades of materials and up-to-date machining practices for accomplishing outstanding Quality of Product. The thorough design and engineering process is standardized under High Quality Standards. Business Associates of Prime Industries are placed at strategic locations in various parts of the country to our customers.

Our Vision

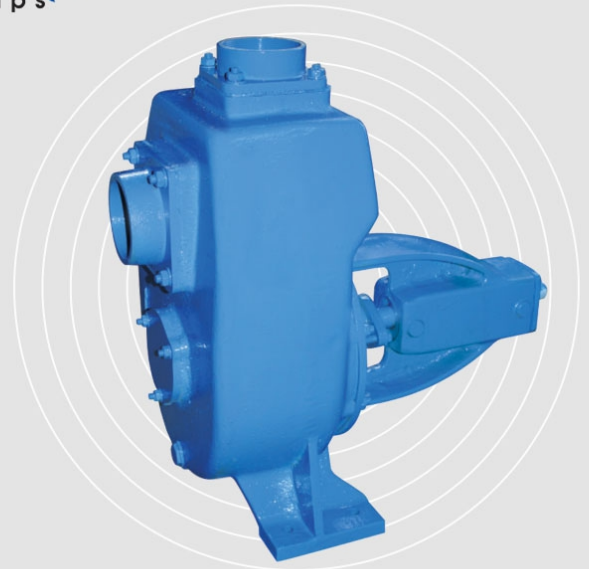
It's our vision to develop one of the primitive and most required leader over a diverse set of industrial divisions. Prime Industries faith to brilliance our clients with greater quality products, first-class services, and the finest delivery time.

Our Mission

Our mission is to grow into an independent company that can incline to the various and multipurpose requirements of the industry. We purpose to make our services and products so well-organized that they can incline to a range of applications across different market domains. Prime pumps Prime Industries will achieve these requirements by:



Self Priming Mud Pumps



Self Priming Mud Pumps (Mechanical Seal)

Self Priming Mud Pumps

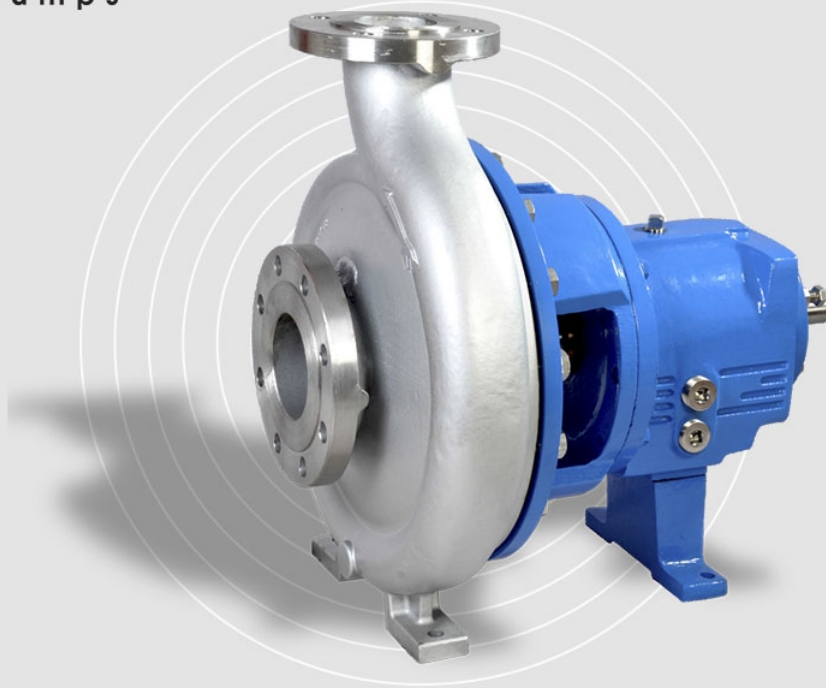
Application

- Suitable for pumping muddy water, sewage, Polluted liquids including solids etc.
- Transfer for chemicals, Solvents, Effluents, Hot water, Chilled water, Condensate Etc.
- Pier, Excavations, Pits, Pot-holes etc., Gram panchayat, Municipalities, Public Health Departments, Large Housing colonies, Industries like chemical, Pharmaceuticals, Foods, Cement, Paper, Sugar, Salt, Steel & Other For Liquid Cargo From Freighter, Barges.
- Public utilities-sewage pumping – Civil Construction dewatering foundations, Trenches & Pits, Filter Press Feeding, ETP, STP, Waste Water Treatment Plant.
- Ceramic industries

Features

- Non – Clogging designed for high efficiency. Semi Open impeller Quick automatic self-priming action.
- No foot valve required No priming of suction pipe line.
- Back pull out design enable to services without disturbing the pipe line.
- Easy maintenance with interchangeable parts and separate gland cover.

Centrifugal Back Pullout Pump (Chemical Pump)

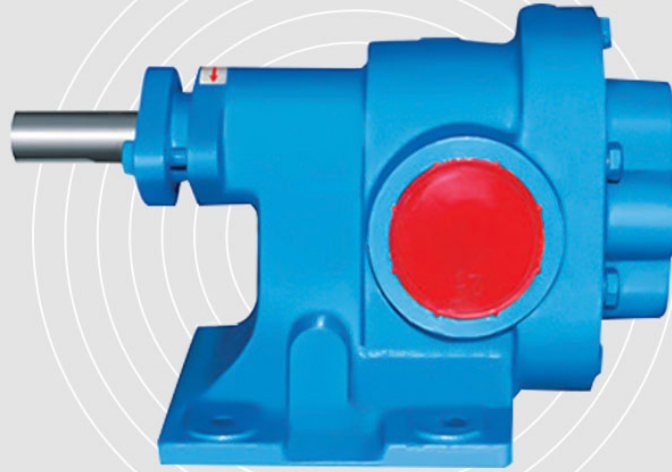


Constructional Features

- Centrifugal Process Pumps offered with closed or Semi Open impeller.
- Impellers are provided either with Back Vane or Back Wear Ring to minimize Axial Thrust and Gland Leakage.
- Various Shaft Sealing Available are,
- Gland Packing
- Mechanical Seals (Single or Double Mechanical Seal Arrangements.)
- Jacketing for heating/cooling offered for Casing, S/Box, Casing Pedestal and Bearing-Housing.

Applications

- Chemicals, Dyes & Intermediates
- Oil Extraction And Waste Oil Refineries
- Bulk Drugs & Pharmaceuticals
- Effluent Treatment Plants
- Heating & Air Conditioning Plants
- Water Treatment & Distribution System
- Corrosive / Abrasive Liquids
- Cooling Water Circulation
- Hot Water Circulation
- Paper & Pulp Slurry
- Maize Slurry
- Sea Water



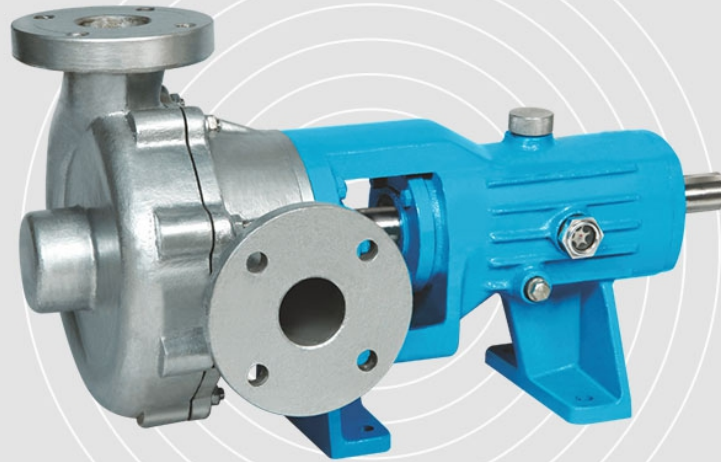
Constructional Features

- All “ ” series Positive displacement rotary gear pumps are self-priming pumps with suction lift of 5 meters at mean viscosity and speed 1440 rpm.
- The “ ” series of PRIME pump has a modified profile of teeth to give accurate discharge within the pressure range.
- The helical gear design delivers constant volume without any pulsation. It also reduces internal slippage and gives high volumetric efficiency.
- Compact in size and highly economical. All these are self-lubricated pumps recommended for use where the liquid to be transferred has lubrication properties hence the bearing is lubricated by the pumping fluid and do not need any external lubrication.
- Easy maintenance due to availability and interchangeability of spares.
- All PRIME gear pumps are designed and assembled with close tolerances to reduce the mechanical losses, thus it consumes lesser power and operates at higher efficiency.

Applications

Industries / Services :

- Rotary gear pumps are widely used in paper mills, refineries, Steel mills and textile Industries.
- All kind of vegetable oils, Clean lube oil, Castor oil, Coconut oil, Ground nut oil, Cotton seed oil and Hydraulic oil.
- Paints & Varnish, Viscous Chemical, Printing Ink.
- All Kind of fish and animal oils.
- Soap Solutions , Glycerin , Glycol and Glue
- Sugar molasses and syrups.



Constructional Features

- Our filter press pump is used to filtrate suspensions under high pressurized conditions in order to separate the liquids and solids. It is the heart of entire filter press system.
- 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.
- It is the most suitable filter press pump for working under very high back pressure.
- Our filter press pump sludge from the bottom of the sludge holding tank into the filter press.
- It is mostly used in handling the slurry which is about the consistency of a material.
- Easy maintenance with replaceable parts
- Specially design for positive suction head
- Long life due to replaceable wearing parts.
- Robust Design

Applications

Industries / Services :

- Food Industries
- Slurry transfer process
- Chemical process plant
- Filter press feeding
- Mineral process industries
- Spray Dryer
- Re-rolling mills
- Intermediates
- Effluent treatment Plants
- Ceramic Industries in many more industries and applications

Polypropylene Pump



Applications

Industries / Services

- Water treatment Plant
- Effluent Treatment
- Filter Press for dyes and chemicals
- Drugs & Pharmaceutical Industries
- Scrubbing of corrosive gases like Cl₂, Br, I, So₂, NH₃, F₂ Etc.
- Transferring of concentrated HCL from road tankers.
- H₂SO₄, ZNSO₄, NaSo₄, BRINE
- Caustic soda plants
- PHOSPHORIC Acid Plants
- Gas Washing Plants
- Rayon Plants
- Electro Plating

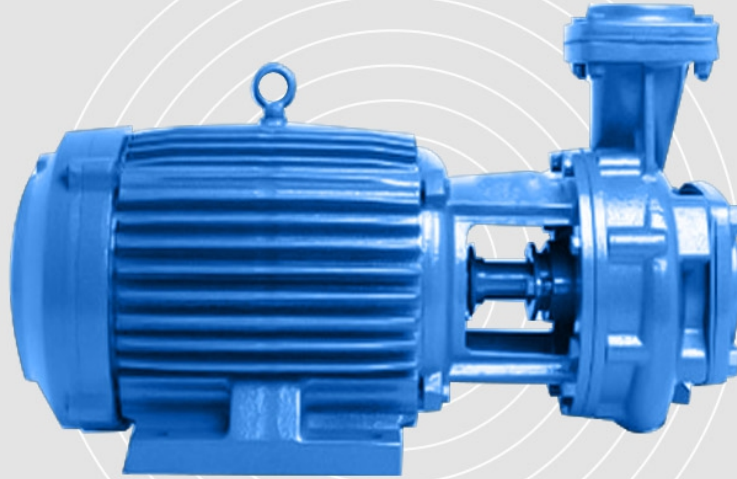
Operating Range

- Capacity- Up TO 180 M³/hr
- Head- Up TO 60 Meters
- Size- 25 mm TO 150 mm

Temperature

- PP – 50 TO 80c
- PVDH – 90 TO 115c

Mono Block Pump

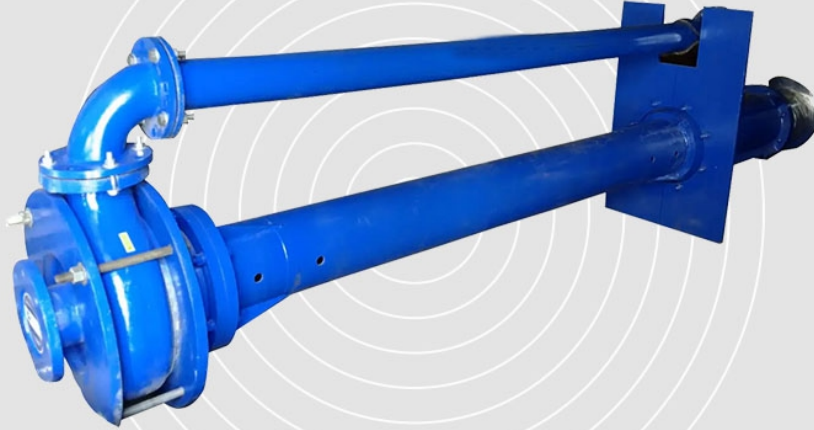


Constructional Features

- Can withstand wide voltage fluctuation – from 300-440 volts.
- Suction lift up to 7.5 meters.
- Models are with IP – 44 protection. Models with IP – 55 protection are also available on request.
- Designed to prevent overloading and motor burning
- Designed for automatic air release during priming
- Inside and outside of pump covered by anticorrosive paint

Applications

- Any Industrial Clear water handling of high pressure
- Cooling Towers, Refrigeration & Air Conditioning
- Boosting Pump in fire Fighting System



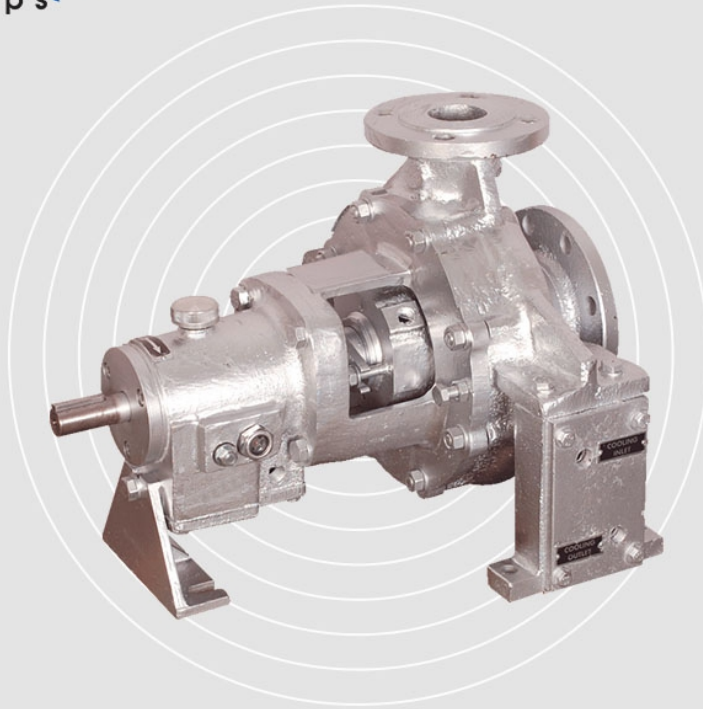
Constructional Features

- Vertical Centrifugal process pump can be used in any installation and especially where the saving of space is an important factor or where liquid is difficult to lift because of nature like temp., corrosiveness etc.
- These pump are designed for use where the liquid to be handled is of highly corrosive Nature or where non – adherence of product or zero metallic contamination is must.

Applications

Industries / Services

- Organic / Inorganic Chemicals.
- Corrosive / Abrasive Liquids.
- Oil extraction & waste oil refineries.
- Bulk drugs & pharmaceuticals.
- Starch / paper / sugar industries.
- Effluent treatment plants.
- Slurries.
- Bio gas plants.
- Sewage.
- Waste water treatment plant.
- Any types of acidic water lifting.
- M.S Vertical pump are used for transfer of sulphuric acid 98 %. Olum, Cloto, Neptha.



Constructional Features

- Centrifugal Process Pumps offered with closed impeller.
- Impellers are provided either with Back Vane or Back Wear Ring to minimize Axial Thrust and Gland Leakage.
- Shaft Sealing Available are, a) GraphoilPacking (Moulded Graphite Rings).b) Mechanical Seals (Mettalic Bellow).
- Jacketing for heating/cooling offered for Casing, S/Box, Casing Pedestal and Bearing-Housing.
- These pumps are equipped with WATER COOLED/AIR COOLED feature that makes them suitable for the applications in heat transfer plants and handling of organic heat transferring of oils.

Applications

Industries / Services

- Thermic Fluid / Hot Oil Systems
- Chemicals, Dyes & Intermediates
- Oil Extraction And Waste Oil Refineries
- Heating & Air Conditioning Plants
- Textile Industries
- Water Treatment & Distribution System
- Hot Water Circulation



Constructional Features

- The suction and discharge nozzles are top vertical.
- The flanges are oval flange around flange as required by the design.
- The round flanges when provided correspond to international standards.
- Grease lubricated Antifriction Bearings designed to meet the requirements mounted on one or both side.
- Pump uses soft graphite lubricated asbestos.
- Special design of stuffing boxes with mechanical seals are available.
- For suction more than 4 mlc the capacity reduces pump must be filled with liquid before they are started for the first time.

Applications

Industries / Services

- Irrigation – Sprinkler installations water works / firefighting mining.
- Fuel pumping Handling volatile liquid – wash down applications.
- Hydraulic press / circuits Transfer & circulation hot & cold water.
- Boiler feed pumps – Condensate pumps.

Prime Industries

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