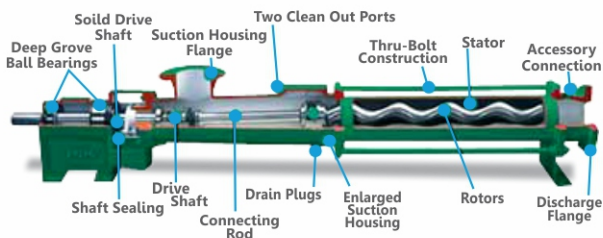


PROFIK PUMPS

PRESENTS

COMPACT DESIGN

PROGRESSIVE CAVITY PUMPS



www.profikpumps.com

IPC SERIES Progressive Cavity Pumps



Overview

Capacity upto 200 m³/hr, pressure - upto 12 bar Temperature 120 Degree C, Viscosity - 10,00,000 CST.

IPC SERIES Pumps Are of Cast Iron Body with various metallurgy of rotating parts like Alloy Steel, SS410, SS420, Tool Steel, SS304, SS316, SS316L and the same configuration available with Complete SS316, SS304 wetted parts for various applications. The Pumps are designed with Pin & Bush Joints, Cardon Joints depends upon the applications.

Field of Application

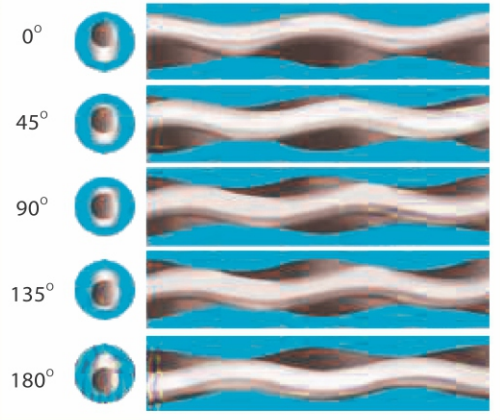
Acidic and alkaline slurry, Alum, Bentonite Slurry, Black Liquor, Casein Slurry, Ceramic Slurry, Coating Mix, Detergent Slurry Dewatered Sludge, Electroplating Solution, Emulsions, Ferrite Slurry, Flocculent, Fuel Oil Sludge, Glue, Grout Mix, Gum sludge industrial wastes, Latex Lube oil, Magma, Masecuite, Molasses, Oil Sludge, Petroleum Jelly, Polyelectrolytes, Paint Paper pulp, Printing ink, Resins, Soap Stock, Sodium Silicate, Varnish Vegetables oil, Viscose, Water to thickened Sludge etc.,

Features

- Torsion free metal-bonded stator for increased stator life, higher efficiency and per stage pressure,
- Double-seated universal joints for smother power transmission and longer service life of critical components.
- Works in the unique progressive cavity principle. Inherently non-clogging and capable of hanging a high percentage of solids.
- Positive Displacement inherently self-priming and capable of handling entrapped gases.
- Low internal velocity of fluid with in pump ensures low shear and minimizes wear due to erosion.
- Low NPSH Requirement results in a higher suction lift up to 8.4 meters of water column.
- Continues Pulsation-free flow with minimum turbulence Flow rate proportions to the pump speed.
- Capable of developing high pressure to 12 Bar-even at a low pump speed.
- Handles any liquid from water to abrasive slurry and froth to highly viscous media.

SALIENT FEATURES OF PROFIK PUMPS

- ◆ Lengthy Geometry
- ◆ Lengthy Pitch
- ◆ Lower Sliding Velocity
- ◆ Higher Capacity with lower rotor Dia & Eccentricity
- ◆ Increased service life
- ◆ Stability in pressure & flow due to longer sealing lines
- ◆ Reduced thrust loads on bearings & Universal joints
- ◆ Improved flow characteristics
- ◆ Reduced Vibration, Turbulence, Shear Rates & Pulsation
- ◆ Smooth and even performance
- ◆ Improved volumetric, Mechanical & Overall efficiency



PCC SERIES

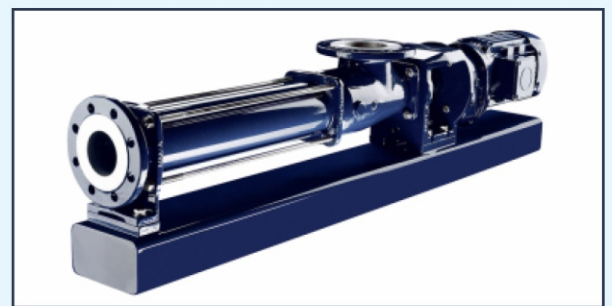
Overview

Capacity upto 200 m³ /hr, pressure - upto 24 bar Temperature 150 Degree C , Viscosity - 10,00,000 CST Brewery and Distillery, Ceramics and refractories, Chemical and process, Construction, Cosmetics and toiletries, Edible oil, Effluent and sewage treatment, Electronics, Engineering, Fertilizer, Marine, Mining man-made Fibre, Oil Exploration, Paint and Varnish Paper, Pulp and Cellulose, Petro Chemical and Refinery, Printing Ink, Soap and Detergent, Sugar etc.

PCC SERIES Pumps are fo Cast Iron Body with various metallurgy of rotating parts like Alloy Steel SS410, SS420 Tool Steel SS304, SS316, SS316 L and the same configuration available with Complete SS316, SS304 wetted parts for various applications. The pumps are designed with Pin & Bush Joints, Cardon Joints depends upon the applications.

Field of Application

Acidic and alkaline slurry, Alum, Bentonite Slurry, Black Liquor, Casein Slurry, Ceramic Slurry, Clay Slurry, Coating Mix, Detergent Slurry, Electroplating Solution, Emulsions, Ferrite Slurry, Fuel Oil Sludge, Glue, Grout Mix, Lube Oil, Molasses, Paint Paper pulp, Printing ink, Resins sewage sludge, Soap Stock, Sodium Silicate, Sulphited Sugar juice, Varnish, Vegetable Oil, Gum Sludge, Viscos, Yeast, Petroleum Jelly etc.,



Features

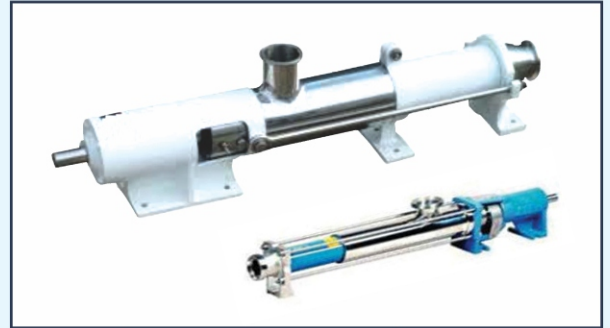
- Compact Configuration of screw pumps in which the pumping parts are coupled directly to the drive thereby eliminating the bearing housing. Suitable for restricted space if operation or mobile pump sets apart from low maintain ace and cost effectiveness ensuring long service life.
- Various Material of construction are offered to suit varied application in CI, CS, SS304, SS316 etc.,
- white stators will be of Natural, EPDM, Neoprene, Hypalon Viton, Silicon, butyl, Hi-Nitrile, Buna Poly Butadine etc.

HSDF SERIES Progressive Cavity Pumps

Overview

Capacity upto 200 m³/hr pressure - upto 12 bar Temperature 200 Degree C, Viscosity - 10,00,000 CST Beverages, Brewery and Distillery confectionery Dairy, Distillery Edible Oil, Food Processing, Fruit Processing, Ice Cream, Pharmaceuticals and Winery, Cosmetics and Toiletries, Edible Oil.

Hygienic Design Sanitary pumps with all metal parts in contact with the liquid in smooth, Steamless Stainless Steel and Stator of Food Grade of non-contamination rubber. The Pumps are available with IDF Unions, SMS Unions. Triclover Joints. Din Connections as per the requirement of the Customers.

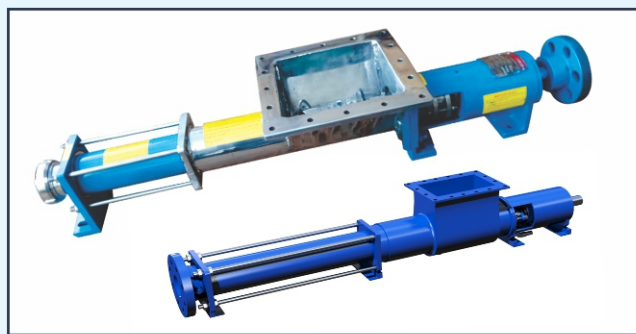


Field of Application

Amla pulp, Beer, Beverages, Butter oil, Cream, Curd, Demineralised water, Diced Vegetables, Edible Gleetine. Fruit Juice and cubes, Glucose, Ice - cream Mix, Jams, Squashes Latex, Liquor, Lotions and Creams, Sugar Syrup, Tamarind Extract Tooth paste, Tomato Paste, Vegetable refined oil, Malt Extract, Medical Formulations, Milk Wine and Yeast etc.,

Features

- ▶ All metallic parts in contact with the fluid are smooth finish stainless steel.
- ▶ Stator is of non - contaminating polymer which is resistant to oil fats.
- ▶ All internal contours are designed to be swept by the product flow or by detergent when 'In line' cleaning.
- ▶ Elimination of product retaining pockets avoid chemical or bacterial contamination.
- ▶ Simple construction allows quick dismantling.
- ▶ Can work against high vacuum. Ideal for lifting viscous fluids from the vacuum pan.
- ▶ Low fluid Velocities ensures gentle handling of shear sensitive fluids with our damage.
- ▶ Pulsation, turbulence or aeration - free metered flow proportional to speed.
- ▶ Capacity varied by simple variation of pump speed to match system parameters.



Field of Application

Aluminium/Magnesium hydroxide Paste, Butter, Cake-mix, Chocolate Mix, Clay Slurry, Explosive Slurry, Formic acid slurry, Fruit or vegetable mash Ghee, Grease, Green Asbestos slurry, Grout mix, High consistency paper pulp, Lecithin, Lithophone Paste, Malt Lix, Minced Meat, Mashed Grapes, Oil Paste, Paint Pre -Mix, Pickle Mix, Pigment Vanish, Starch Slurry, Thick Coal Slurry, Undiluted Sludge.

HWT SERIES

Overview

Capacity upto 200 m³/hr, pressure upto 12 bar Temperature 200 Degree C, Viscosity 10,00,000 CST.

Hopper type Suction Inlet allowing gravity flow of High Viscous Media on to Auger Cum Coupling Rod pushing viscous fluids into the Pumping Cavity. Standard pumps employed with SS304, SS316 SS316 L material of Constructions. The Pumps are Fitted With Me-Chemical Seal to ensure a 100 % leak - proof mechanism and some pumps are with food Grade Gland Packing depends up the customer requirements.

Features

- ▶ Open hopper type intel with auger fitted at the bottom to ensure pumping it difficult- to- flow-media into the pumping element.
- ▶ Torsion -free metal bonding stator for increased stator life, particularly for highly viscous and fibrous material.
- ▶ High pressure building capability allows the transfer of viscous /pasty / fibrous matter no longer distances and higher heads.
- ▶ Low internal velocity of the fluid minimizes wear and tear due to erosion.
- ▶ Easy and quick maintenance, which does not require any special tools.
- ▶ Pulsation, turbulence or aeration free metered flow proportional to the speed.
- ▶ Especially suited for non -Newtonian media, slurries and fibrous matter with low moisture content without changing the product mix or dewatering.

VP SERIES Progressive Cavity Pumps



Overview

Capacity upto 200 m³/ hr, pressure - upto 12 bar Temperature 200 Degree C, Viscosity - 10,00,000 CST

Compact Design Vertical Screw Pumps for emptying barrels. Driven by vertical flange mounted Geared or Flanged Motors . The Material of Construction available in MS or SS Construction with rotating parts to suit duty Conditions. Shaft Sealing by soft gland packing/ Mechanical Seal.

Field of Application

Acids, Beer, Diesel Oil, Lubricating Oil, Furnace Oil, Drug Formulations, Varnish Chemical Solution etc

Features

- Simple in design and easy to use.
- Positive displacement and capable of handling entrapped grases.
- Low internal velocity of fluid within the pump ensures gentle handling of liquid minimizing shear and erosion.
- Torosion - free metal bonded stator for increased stator life and higher efficiency.
- Adaptable for any kind of drive like pneumatic or hydraulic.

Overview

Right material conforming to international standards combined with special heat treatment and hard chrome plating technology, Ensures dimensions and critical tolerances are maintained.

Quality Progressive Cavity Pumps, we have a wide range of retrofit spares to offer all the reputed and other global brands as well.

we manufacture spare parts as per the customer requirements

Manufacturing Materials

- PROFIK PUMPS PVT LTD Rotors are manufactured in stainless stell with induction deep hardening. they offer better abra-sieve and corrosive resistance
- PROFIK PUMPS PVT LTD Rotors (Anti -Abrasive Rotors) specially developed anti abrasion harderned material
- Stainless Steel
- Harderned Carbon Steel
- Hard chrome stainless steel
- Duplex
- Other specially alloys also available

RETROFIT - SPARES



Coatings

other coating with lower roughness than chroming such as ceramic or tungsten carbide are available. Using these types of coatings avoids the blade - effect, which often happens with chrome-coating. Chroming accelerates the wear and tear of the rotor and stator for two reasons:

Hard chrome plating, chrome and special hard coatings.

The surface of the rotating parts, whice are in contact with the product, is specially machined and treated with hardening processes to obtain a high mechanical resistance minimizing the abrasion effects. Also high precision tolerance measurements avoid unwanted clearances and axial pushing. This ultimately prevents early wear and tear from happening.

PROFIK PUMPS PVT LTD

Office Address : 49-II Balamurugan Nagar, Ganapathy Village, Maniyakaram Palayam, Coimbatore - 641 006. Tamil Nadu, India.

Factory Address : SF. No. 208, Door No.5 Anjugam Nagar, Chinnavedampatti, Coimbatore - 641 049. Tamil Nadu, India.

Email : profikpumpssales@gmail.com | info@profikpumps.com | sales@profikpumps.com

Mobile : +91 99449 35349 | +91 93452 20490 | +91 94422 30959

www.profikpumps.com