



ROOTS EQUIPMENTS & PUMPS

— *Flowing with Innovation* —

**BUILT WITH
INNOVATION**



*Manufacturers of
Industrial Pumps and Process equipments*



ABOUT US

Roots Equipments & Pumps is a professionally managed Indian manufacturer specializing in industrial and chemical process pumps. Established in 2018, the company focuses on delivering reliable, application-driven pumping solutions engineered for consistent performance in demanding industrial environments.

Our product portfolio includes Centrifugal Pumps, Diaphragm Pumps (AODD), Metering Pumps, Chemical Process Pumps, Mud Pumps, Barrel Pumps, Gear Pumps, Valves, Filtration Systems, and allied process equipment. These solutions are designed and supplied to serve industries such as chemicals, pharmaceuticals, dyes & intermediates, paper, steel, and bulk process plants.

Roots Equipments & Pumps operates with a strong emphasis on engineering discipline, process control, and quality assurance. Through systematic design practices, controlled manufacturing processes, and structured inspection procedures, we ensure dependable products, timely service, and transparent business practices. Our focus remains on long-term performance, application reliability, and customer satisfaction.

MISSION & VISION

Our mission is to manufacture and supply industrial pumping solutions that meet defined quality standards while maintaining high levels of reliability, safety, and operational efficiency. Research & Development and continuous process improvement form an integral part of our approach, enabling us to enhance product performance and consistency over time.

We aim to build long-term partnerships with customers and dealers by delivering responsible solutions for critical applications. Through ethical business practices, technical competence, and a commitment to quality, we strive to grow as a trusted industrial brand while contributing positively to employment generation, customer success, and industrial development.

KEY HIGHLIGHTS

- ✓ Established in 2018
- ✓ Presence across Maharashtra & Gujarat
- ✓ Serving 300+ customers
- ✓ Focused on industrial & process pump applications



MANUFACTURING & INFRASTRUCTURE

Roots Equipments & Pumps operates a dedicated manufacturing and assembly facility in Maharashtra, designed to support the production and supply of industrial and chemical process pumps for a wide range of applications. Our infrastructure is structured to ensure consistency, reliability, and repeatability across product lines.

The facility is equipped to handle machining, fabrication, assembly, testing, and inspection activities under controlled conditions. Defined processes and systematic work practices enable efficient production flow while maintaining required quality standards at every stage.

CORE MANUFACTURING CAPABILITIES

- ✓ Machining and fabrication of pump components
- ✓ Assembly of centrifugal, diaphragm, and process pumps
- ✓ Hydraulic and pressure testing facilities
- ✓ Dimensional and visual inspection
- ✓ Spares stocking and service support

ENGINEERING & SUPPORT

Our engineering and technical team works closely with customers and channel partners to support pump selection, application suitability, and operating requirements. This integrated approach ensures that products supplied are aligned with site conditions, process parameters, and long-term operational needs.

INFRASTRUCTURE FOCUS

- ✓ Process-driven manufacturing approach.
- ✓ Controlled assembly and testing environment.
- ✓ Emphasis on consistency and repeatability.
- ✓ Readiness to support customization based on application requirements.





QUALITY, TESTING & COMPLIANCE

At Roots Equipments & Pumps, quality is embedded across all stages of manufacturing, assembly, and supply. Our processes are designed to ensure that every product meets defined performance, safety, and reliability requirements before reaching the customer.

Structured inspection and testing practices are followed to maintain consistency across batches and product categories, supporting dependable field performance in critical industrial applications.

QUALITY & INSPECTION PRACTICES

- ✓ Incoming material inspection and verification
- ✓ Dimensional and visual inspection during production
- ✓ Controlled assembly procedures
- ✓ Hydraulic performance testing
- ✓ Pressure testing as applicable
- ✓ Final inspection prior to dispatch

PROCESS CONTROL & CONTINUOUS IMPROVEMENT

Our quality systems are aligned with established industrial manufacturing standards and are continuously reviewed to enhance product reliability and operational consistency. Feedback from field performance, customers, and service teams is systematically incorporated to drive ongoing improvement in design and processes.

COMMITMENT TO RELIABILITY

- ✓ Focus on consistent performance under operating conditions
- ✓ Emphasis on safety, durability, and serviceability
- ✓ Clear warranty and service support framework





WHY PARTNER WITH US

Roots Equipments & Pumps is focused on building long-term, structured partnerships with dealers and distributors who share a commitment to quality, reliability, and professional business practices. Our dealer framework is designed to support sustainable growth, not short-term transactions.

We work closely with our channel partners to ensure technical clarity, operational support, and transparent policies, enabling dealers to confidently represent our products across industrial markets.

PARTNERSHIP ADVANTAGES

✓ WIDE PRODUCT PORTFOLIO

Single-vendor advantage covering centrifugal pumps, diaphragm pumps (AODD), metering pumps, process pumps, barrel pumps, gear pumps, valves, filtration systems, and allied equipment.

✓ COMPETITIVE PRICING & SUSTAINABLE MARGINS

Structured pricing approach designed to support long-term dealer profitability.

✓ TECHNICAL & APPLICATION SUPPORT

Assistance in pump selection, application suitability, and operating conditions through experienced technical teams.

✓ RELIABLE SUPPLY & SPARES AVAILABILITY

Focus on timely supply and ready availability of spares to support uninterrupted operations.

✓ TRANSPARENT DEALER POLICIES

Clear dealership terms, warranty policies, and defined operating guidelines.

✓ GROWING MARKET PRESENCE

Expanding footprint across Maharashtra and Gujarat with strong emphasis on industrial clusters.

✓ LONG-TERM PARTNERSHIP APPROACH

Commitment to stable relationships, consistent support, and mutual growth.





MARKET PRESENCE & INDUSTRIES SERVED

Roots Equipments & Pumps has established a growing presence across key industrial regions by consistently supplying reliable pumping solutions for process-critical applications. Our products are deployed across a wide range of industries where operational reliability and performance consistency are essential.

Through structured dealer partnerships and direct customer engagement, we continue to expand our footprint across industrial clusters while strengthening service and support capabilities.

OUR GROWING PRESENCE

- ✓ Serving 300+ customers
- ✓ Presence across Maharashtra & Gujarat
- ✓ Expanding dealer and service network
- ✓ Focus on industrial and process-driven markets

INDUSTRIES SERVED

Roots Equipments & Pumps supplies pumping solutions to the following sectors:

- ✓ Chemical & Process Industries
- ✓ Pharmaceuticals & Bulk Drugs
- ✓ Dyes & Intermediates
- ✓ Paper & Pulp
- ✓ Steel & Engineering
- ✓ Water & Wastewater Treatment
- ✓ General Industrial Applications

APPLICATION-DRIVEN APPROACH

Our solutions are selected and supplied based on process requirements, operating conditions, and application suitability. This approach ensures reliable performance, improved equipment life, and reduced operational downtime for end users.



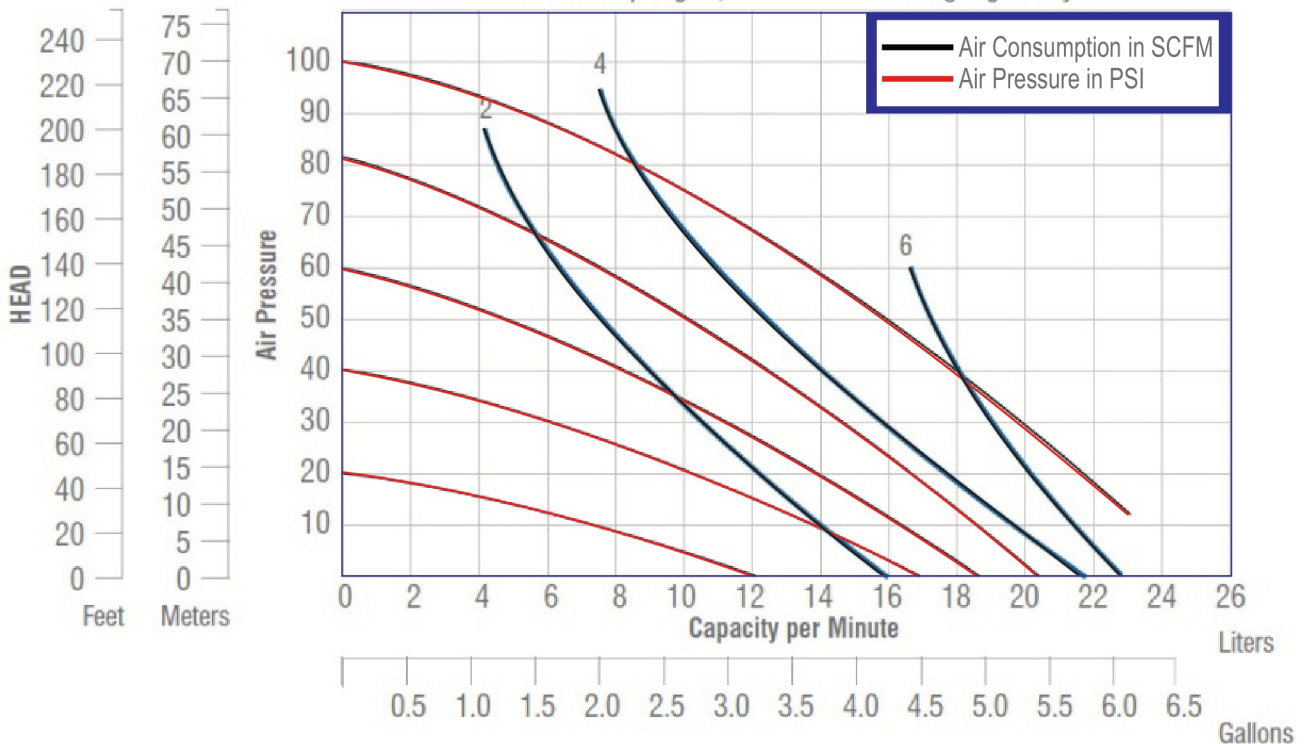


OUR PRODUCT RANGE

AODD-150 (1/2")



* For TEFLON diaphragms, reduce water discharge figures by 20%.



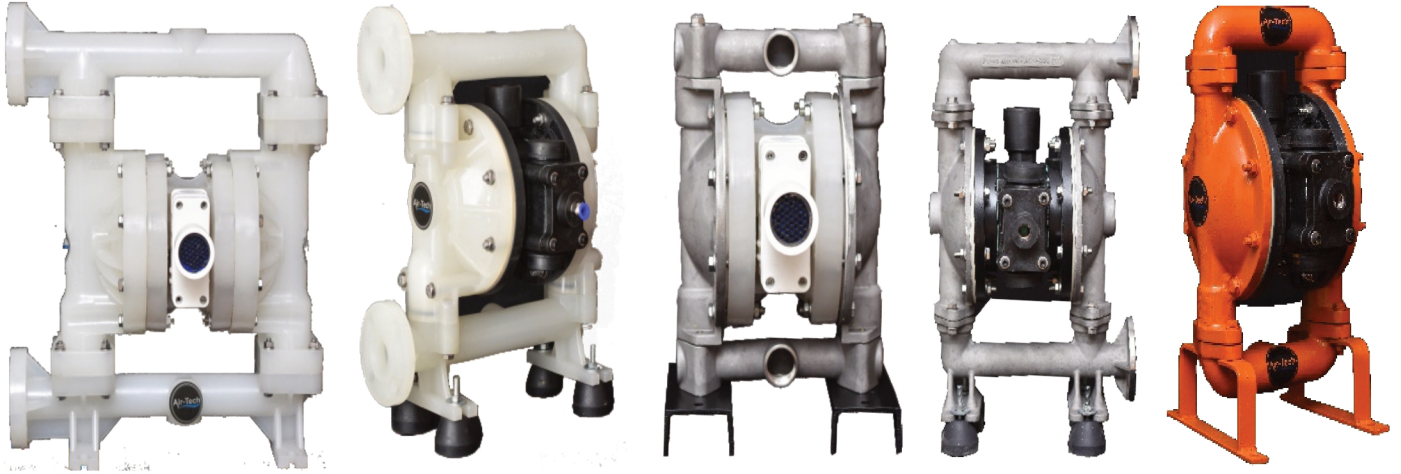
Notes :-

- The above data refer to a positive suction head operating with water at room temperature.
- All the information indicated may vary without notice.

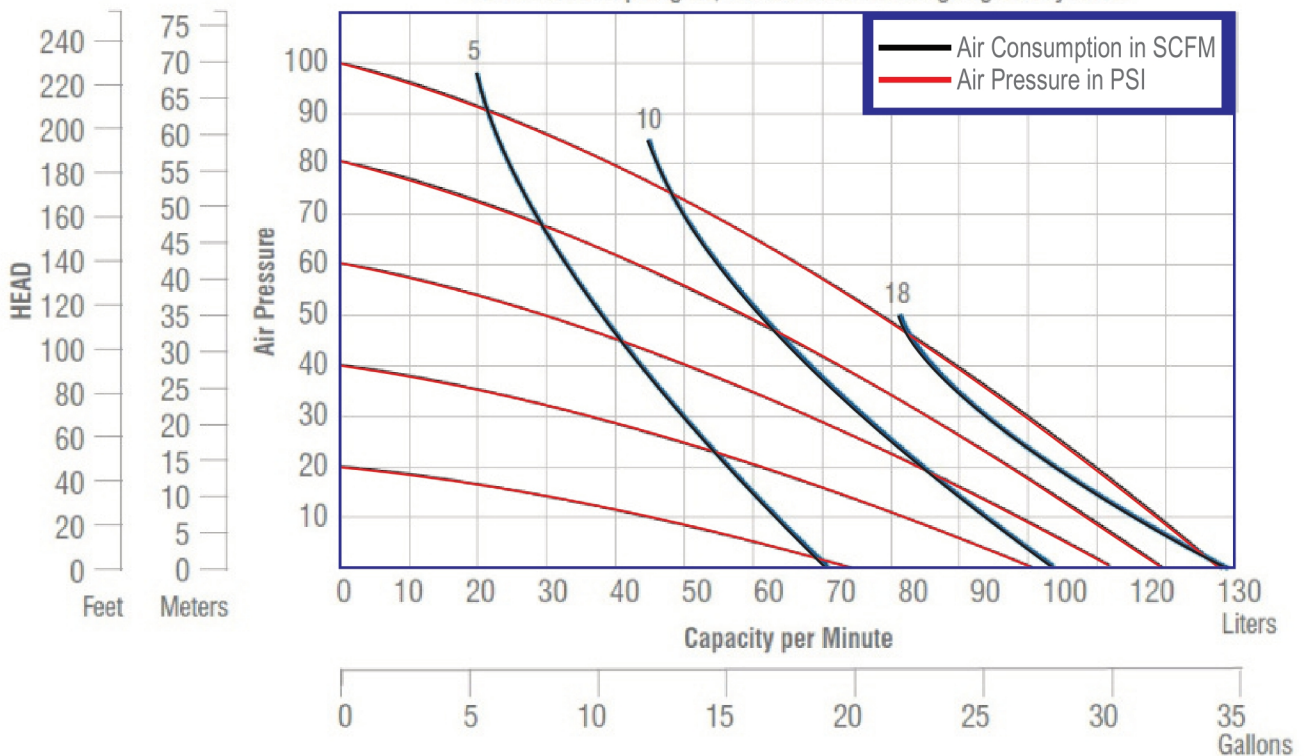


OUR PRODUCT RANGE

AODD-300 (1")



* For TEFLON diaphragms, reduce water discharge figures by 20%.



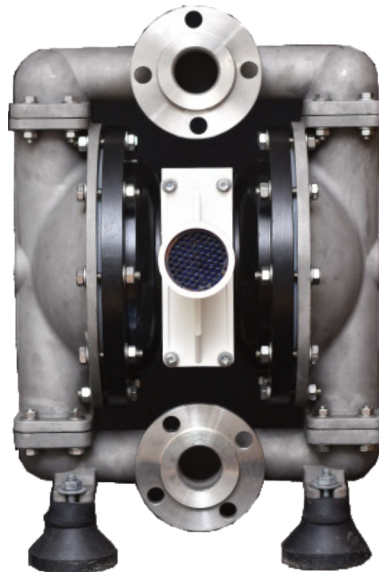
Notes :-

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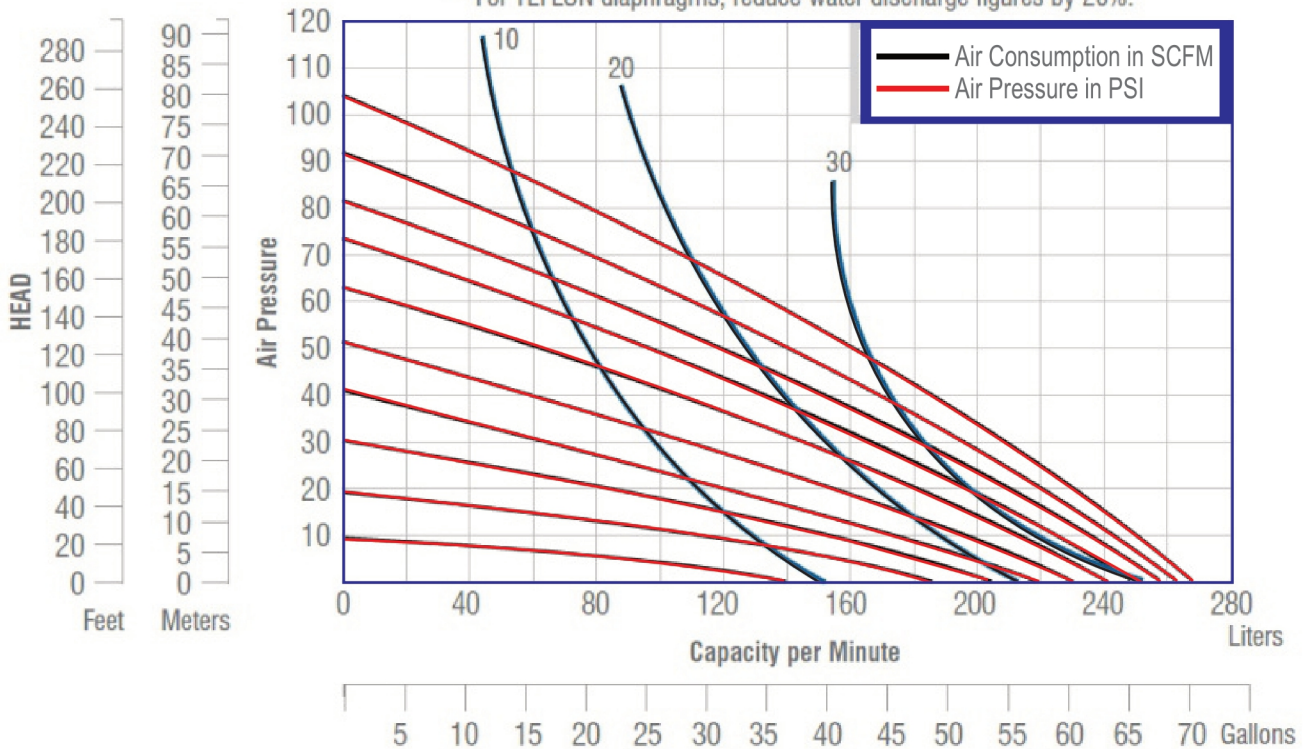


OUR PRODUCT RANGE

AODD-400 (1 1/2")



* For TEFLON diaphragms, reduce water discharge figures by 20%.



Notes :-

- The above data refer to a positive suction head operating with water at room temperature.
- All the information indicated may vary without notice.

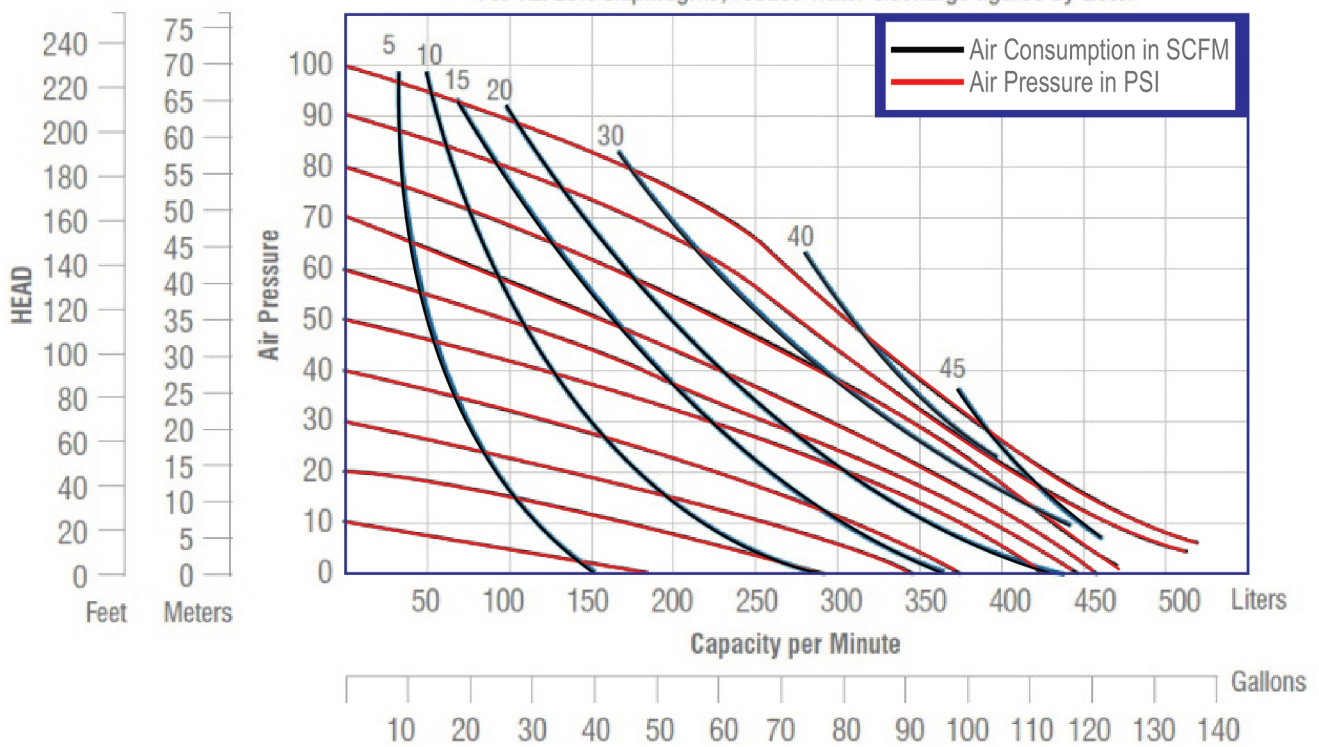


OUR PRODUCT RANGE

AODD-500 (2")



* For TEFLON diaphragms, reduce water discharge figures by 20%.



Notes :-

- The above data refer to a positive suction head operating with water at room temperature.
- All the information indicated may vary without notice.



OUR PRODUCT RANGE

ANSI CENTRIFUGAL PUMPS



Design :

Single stage, frame mounted chemical process pump of heavy duty design. Flanges with holes drilled to ANSI B16.5 Cl.150.

Mechanical seal:

Single, Double, Inside, Outside etc.

Operating Range

- 50 Hz Operation
- Flow Rates 1-1500 m³/hr
- Delivery Heads Upto 120 m

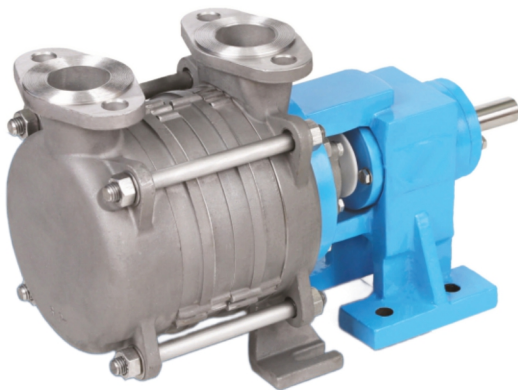
Operating Temperatures

-60/+300 °C

Operating Pressure

Upto 16 bar (235 psi)

FULLY OPEN TURBINE TYPE IMPELLER HORIZONTAL SELF PRIMING PUMPS



This Pumps are self priming pumps.

For higher heads option of multi stage is available.

Petrochemical | Oil & Gas | Steel Industry | Automotive | Agriculture | Tank Farm | Pulp and Paper | Semiconductor | Food Processing | Power Generation | Pharmaceuticals Water Treatment | Paper Stock | Chemical | Pipeline | General Industries | Textile | Mining

Operating Range

- 50 Hz Operation
- Flow Rates 1-20 m³/hr
- Delivery Heads Upto 120 m

Operating Temperatures

-60/+150 °C

Vertical "In-line" Self-Priming Pumps



STP Pumps are replacement of long shaft vertical pumps used in chemical plants from several years, nps are very easy to install at site, motor is mounted on itself.

Operating Range

- 50 Hz Operation
- Flow Rates 1-40 m³/hr
- Delivery Heads Upto 45 m

Operating Temperatures

-60/+150 °C

**Available With
Trolley For
Mobile Application**



OUR PRODUCT RANGE

HEAVY DUTY PLASTIC LINED CHEMICAL PROCESS PUMPS



Design :

Single stage, plastic lined, frame mounted chemical process pump of heavy duty design. Flanges with holes drilled to ANSI B16.5 Cl.150.

Mechanical seal:

Single, Double, Inside, Outside etc.

Operating Range

- 50 Hz Operation
- Flow Rates 1-100 m³/hr

Operating Temperatures

-60/+180 °C (-75/+360°F) with PFA/PTFE

Operating Pressure

Upto 16 bar

SINGLE STAGE SOLID INJECTION MOLDED SEMI OPEN IMPELLER CHEMICAL PROCESS PUMPS



Design :

Single stage, frame mounted chemical process pump of heavy duty design. Flanges with holes drilled to ANSI B16.5 Cl.150.

Mechanical seal:

Single, Double, Inside, Outside etc.

Operating Range

- 50 Hz Operation
- Flow Rates 1-150 m³/hr
- Delivery Heads Upto 100 m

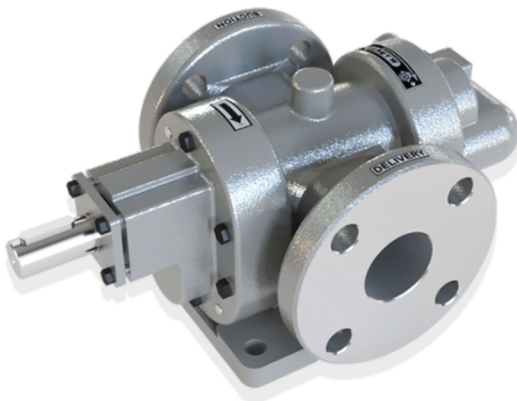
Operating Temperatures

-10/+80 °C

Operating Pressure

Upto 10 bar

GEAR PUMP



Design :

A gear pump allows for external heating of the pump and the fluid being pumped, which is particularly useful for viscous liquids or materials that solidify at room temperature.

Hot fluid, like steam or hot oil, is circulated within the jacket surrounding the pump body, maintaining the fluid's temperature and fluidity.

Operating Range

- Pressure : upto 12kg/cm²
- Discharge : 10 LPM TO 1000 LPM
- Pipe Size : 1/4" BSP TO 4" BSP



OUR PRODUCT RANGE

HAND ROTARY BARREL PUMP



S.S. BARREL PUMP



P.P. BARREL PUMP



C.I. BARREL PUMP

CAPACITY : 350 ML PER ROTATION

PNEUMATIC BARREL PUMP



**PNEUMATIC
MOTORIZED
BARREL PUMP**

Capacity : 110 LPM
Size : 1"
Head : 22 MTR



**MOTORIZED
BARREL PUMP**

Capacity : 110 LPM
Size : 1"
Head : 22 MTR



**PNEUMATIC
PISTON
BARREL PUMP**

Capacity : 50 LPM
Size : 1"
Head : 25 MTR



OUR PRODUCT RANGE

SUBMERSIBLE SEWAGE SLUDGE PUMP



Design :

Heavy Duty Cast Iron Single/Two/Six vane non-clog impeller
Heavy duty C.I volute type casing for maximum efficiency

Mechanical seal:

SIC VS SIC MECHANICAL SEAL

Operating Range

- 50 Hz Operation
- Flow Rates 162-7000 LPM
- Delivery Heads Upto 55 m

Power Range

1 HP TO 60 HP

OPEN WELL SUBMERSIBLE PUMP



Design :

Horizontal Openwell Submersible Pumpsets are manufactured strict quality assurance for years of efficient and reliable operation.

Motor Body
Cast Iron / Stainless Steel

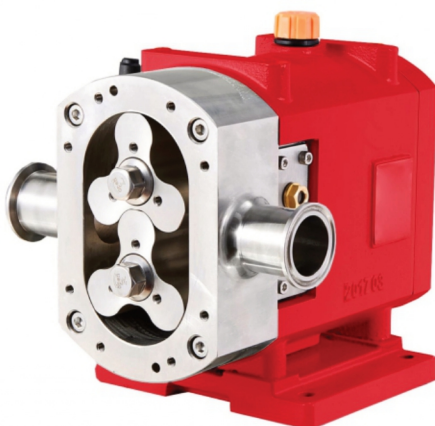
Operating Range

- 50 Hz Operation
- Flow Rates 860 LPM
- Delivery Heads Upto 54mtr

Power Range

1 HP TO 10 HP

LOBE PUMP



Design :

A Range of High Quality Hygienic Stainless Steel Positive Displacement Pumps for use in the food Process Industries

Mechanical seal:

Single, Double, Inside, Outside etc.

Operating Range

- 50 Hz Operation
- Flow Rates 1-1500 m³/hr
- Delivery Heads Upto 120 m

Operating Temperatures

-60/+300 °C

Operating Pressure

Upto 16 bar (235 psi)



OUR PRODUCT RANGE

VERTICAL SUMP PUMP



Design :

These pumps are equally ideal for continuous or intermittent service for handling Corrosive as well as ultra pure chemicals without fear of corrosion or contamination.

Mechanical seal:

Single, Double, Inside, Outside etc.

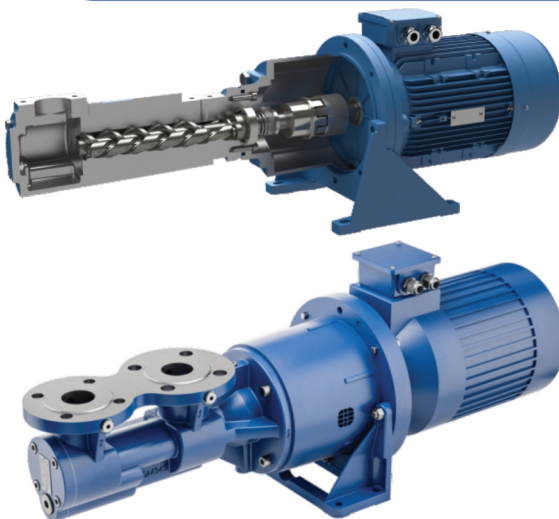
Operating Range

- Head upto 120mtr
- Flow Rates upto 50 m³/hr

Operating Temperatures

110 °C to 200 °C

SCREW PUMP



Design :

The main components which characterize the pump are a metallic single helical rotary part ROTOR and fixed double helical resilient polymer part STATOR in which the rotor turns and thereby a complex progressive sealing line (cspl) is maintained. While the rotor rotates inside the stator, the cavities formed between them progresses from suction to discharge end gently carrying the media.

Operating Range

- 50 Hz Operation
- Flow Rates upto 400 m³/hr
- Delivery Heads Upto 100 m

Operating Temperatures

upto 150 °C

COOLANT PUMP



Design :

Availability in any type of material like cast iron, SS-316,SS-304, bronze, Alloy - 20 Etc. Balanced shaft & rotor with excellent grade stamping and wire so highly efficient motor.

Operating Range

- 50 Hz Operation
- Flow Rates upto 1000 LPM

Operating Temperatures

240 °C

Operating Pressure

Upto 21 bar



OUR PRODUCT RANGE

SELF PRIMING MUD PUMPS



Design :

Single / three phase self-priming monoblock pumps for muddy water, sewage and suspended solids, with automatic priming and non-clog impeller. No foot valve required.

Operating Range

- 50 Hz, Single & Three Phase
- Solid handling up to 15 mm
- Insulation Class F, IP-44

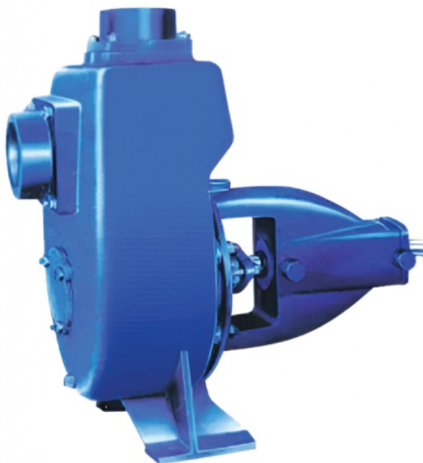
Features

- Automatic self-priming
- Non-clog impeller
- Rugged cast-iron construction
- Low maintenance

Applications :

Construction dewatering | Sewage | Marine | Industrial effluents

RMP SERIES



Design : Single Stage Horizontal Non-Clog Self Priming, Mud/Sewage Pumps

Operating Data:

Capacity	: Up to 400 M3/hr	Temperature	: Up to 110°C
Head	: Up to 55 Mtr.	Speed	: Up to 3500 rpm
Suc. Head	: Up to 5 Mtr.	Pressure	: Up to 5.5 kg/cm2
Discharge Size	: 40 mm to 200 mm	M.O.C.	: C.I, C.S., SS-304/304L, SS316/316L, Bronze, Alloy-20, CD4MCU Hast alloy B & C, etc.
Solid Size	: Up to 50 mm		

Applications:

- ✓ Dewatering, mud, marine, effluent, hotel, loading & transfer of oils, spirits, swimming pools, gas oils, engine cooling.
- ✓ Vessels, industrial-pumping petroleum products, chemical.
- ✓ Civil construction-dewatering foundations, trenches and pits.
- ✓ Filter press feeding, ETP, STP, waste water treatment plant.
- ✓ Mobile machinery cooling water for marine engines and shovels.
- ✓ Public utilities - sewage pumping.
- ✓ Pier, excavations, pits, pot-holes etc., gram panchayats, municipalitie public health departments, large housing colonies, industries like chemical, pharmaceuticals, food, cement, paper, sugar, salt, steel an other for liquid cargo from freighter, barges.

INDUCTION MOTOR



Design :

Robust, low-cost AC electric motor that converts electrical energy into mechanical energy using electromagnetic induction.

Applications:

Type	: Squirrel Cage Induction Motor - IE2, IE3 & IE4
Power Range	: 0.5HP to 3.0 HP, 0.5HP to 425HP
Frame Size	: 63 to 355 L
Speed	: 2900/1450/960/740 rpm
Version	: 1ph - CST/CSCR, 3ph - DOL/SD
Insulation Class	: "B" / "F" Class
Protection	: IP 44/IP 55
Duty	: S1 continuous
Mounting	: Foot (B3) / Flange (B5) / Face (B14) / Foot cum Flange (B35) / Foot cum face (B34)
Direction of Rotation	: Bi-direction3



OUR PRODUCT RANGE

MECHANICAL SEAL



CONICAL SPRING SEAL



DOUBLE CARTRIDGE SEAL



MULTY SPRING SEAL



SINGLE SPRING SEAL



TEFLON BELLOW SEAL



METAL BELLOW SEAL



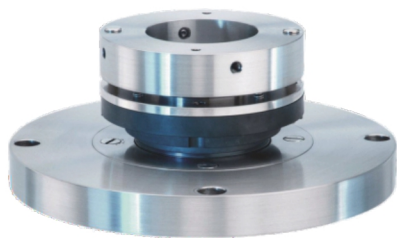
AGITATOR SEALS



CLOSE ELASTOMER UNBALANCED SEAL



CARTRIDGE BALANCED SEAL



DRY RUNNING SEAL



ELASTOMER BELLOW UNBALANCED SEAL



WAVE SPRING UNBALANCED SEAL



OUR PRODUCT RANGE

PUMP SPARE PARTS



Pump Casing / Volute Casing



Back Plate / Casing Cover
(Non-metallic / Lined)



PP Impeller



SS Impeller



Open Type Impeller



Semi-Open Impeller



Gear Wheel / Timing Gear



Non-Clog / Vortex Impeller



Gland Pusher



Sic Mechanical
Seal Faces



Mechanical Seal
(Single / Multi-Spring Type)



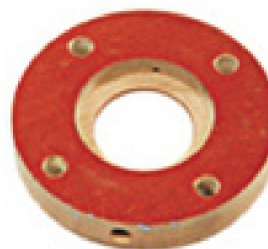
Mechanical Seal Assembly



GFT Ceramic Mechanical Seal



Ceramic Stationary



Hylam Locating Flange



Pump Flanges
(Suction & Delivery)



DEALER & DISTRIBUTOR OPPORTUNITY

Roots Equipments & Pumps invites experienced dealers and distributors to partner with us in expanding our presence across industrial markets in India. We are focused on building a structured, performance-driven dealer network aligned with long-term growth and professional business practices.

Our dealership framework is designed to support partners through reliable products, technical assistance, transparent policies, and consistent supply, enabling dealers to confidently serve industrial customers and process-driven applications.

WHAT WE OFFER OUR CHANNEL PARTNERS

- ✔ Structured dealership policies and clear operating guidelines
- ✔ Competitive pricing with sustainable dealer margins
- ✔ Technical support for pump selection and applications
- ✔ Ready availability of spares and service support
- ✔ Defined warranty and after-sales service framework
- ✔ Long-term association with a growing manufacturing brand

REGIONS OPEN FOR DEALERSHIP

Dealership opportunities are currently open across select industrial locations in Maharashtra, Gujarat, and other growing industrial regions.



AODD PUMPS A COMPREHENSIVE OVERVIEW FOR BUYERS




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 **+91 866 889 8797 / +918668360397**

 rootsequipumps.in

 info@rootsequipumps.in
sales@rootsequipumps.in

 rootsequipumps.in

 5086, Bright Complex , Opp. Chetna Hotel,
Avadh Nagar, MIDC, Boisar (W), Palghar - 401504

 1163, Kaloli, Dahanu - Palghar, Chinchani (ct) - 401503