

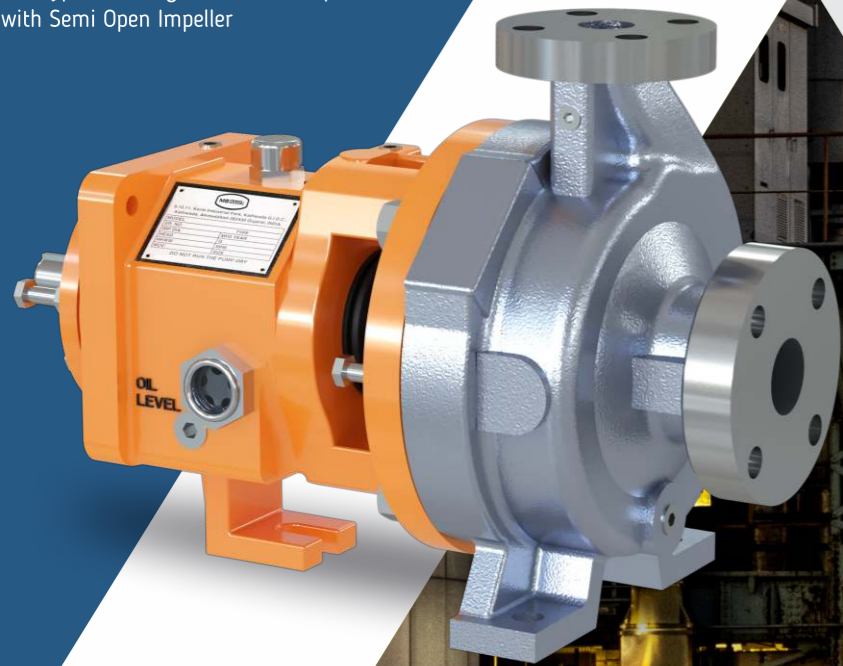


Pumps to boost Your production high...



MSCP Series

Single Stage, End Suction Back Pull Out Type Centrifugal Process Pumps with Semi Open Impeller



Operating Data

| | |
|-----------------------|---|
| Flow Rate | Up to 750m³/hr |
| Head | Up to 150 Mtr. |
| Discharge Size | 25mm to 250mm |
| Operating Temperature | -40°C to 200°C |
| Speed | Up to 3500RPM |
| Working Pressure | Up to 15 kg/cm ² |
| M.O.C. | C.I, C.S, SS-304 / SS-304L / SS-316 / SS-316L, Bronze, Alloy 20, CD4AMCU Hastelloy B&C etc. |

▲ Application

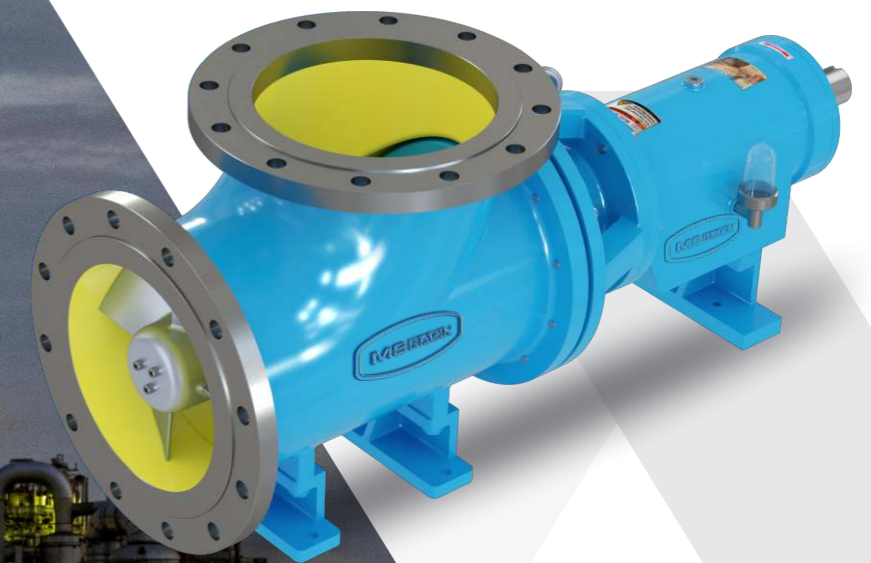
- ▲ - Most ideal for pumping Liquid mixed with small size suspended solids like Slurries etc.
- ▲ - Large size solid, non-clog impellers can be provided on request.
- ▲ - Useful in Engineering, Marine, Chemicals, Petrochemicals, Refineries, Sugar, Paper & Laminate Industries.
- ▲ - Can handle Corrosive & Abrasive Chemicals like Acids, Alkalis etc.
- ▲ - Can be made Self Priming with the help of Priming Pot.

▲ Features

- ▲ - According to ASME / ANSI B73.1 Standard with B16.5 150# Flange Standard.
- ▲ - Fully Open Impellers with Rear-Adjustment capability.
- ▲ - Heavy Duty Ductile Iron or Cast Iron Frame and Adaptor.
- ▲ - Labyrinth Seals for Bearing Isolation.
- ▲ - Provide wide range of Sealing.
- ▲ - Back pullout principle Design.
- ▲ - Mechanical Seals according to EN-12756 Single & Double Cartridge Seal fitting & easy to service.

MSFLOW Series

Axial Flow Pumps



Operating Data

| | |
|-----------------------|---|
| Flow Rate | Up to 14000m³/hr |
| Head | Up to 8 Mtr. |
| Discharge Size | 152mm to 914mm |
| Operating Temperature | -40°C to 200°C |
| Speed | Up to 3500RPM |
| Working Pressure | Up to 10 kg/cm ² |
| M.O.C. | C.I, C.S, SS-304 / SS-304L / SS-316 / SS-316L, Alloy 20, CD4AMCU Hastelloy B&C etc. |

▲ Application

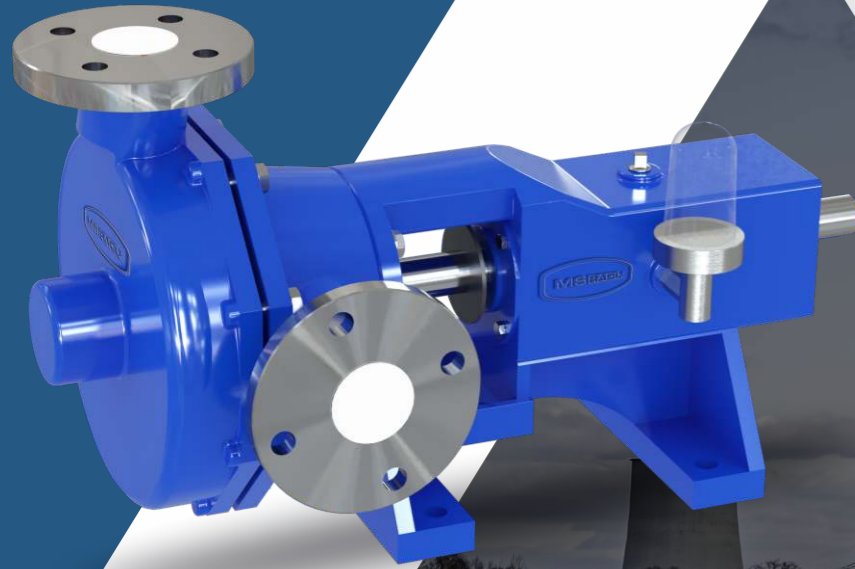
- ▲ - To transfer very large quantity of liquid at low head.
- ▲ - To raise the water level in irrigation canal.
- ▲ - Dewatering of large pits / lakes etc.
- ▲ - To re-circulation the liquid in MEE plant.

▲ Features

- ▲ - Heavy duty thick metal section is provided at elbow, stuffing box & impeller for extended wear life.
- ▲ - Extra-large lubricating oil sump provides better heat transfer for reduced oil temperature and hence bearing runs cooler and lasts longer.
- ▲ - High efficiency impeller available in a wide variety of vane angles.

MSFPP Series

Filter Press Pumps



Operating Data

| | |
|-----------------------|--|
| Flow Rate | Up to 80m³/hr |
| Head | Up to 85 Mtr. |
| Discharge Size | 40mm to 65mm |
| Operating Temperature | 150°C |
| Speed | Up to 3500RPM |
| Working Pressure | Up to 10 kg/cm ² |
| M.O.C. | Cl, CS, SS-304 / SS-304L / SS-316 / SS-316L, Bronze, Alloy-20, CD4AMCU Hastelloy B&C etc. |

Application

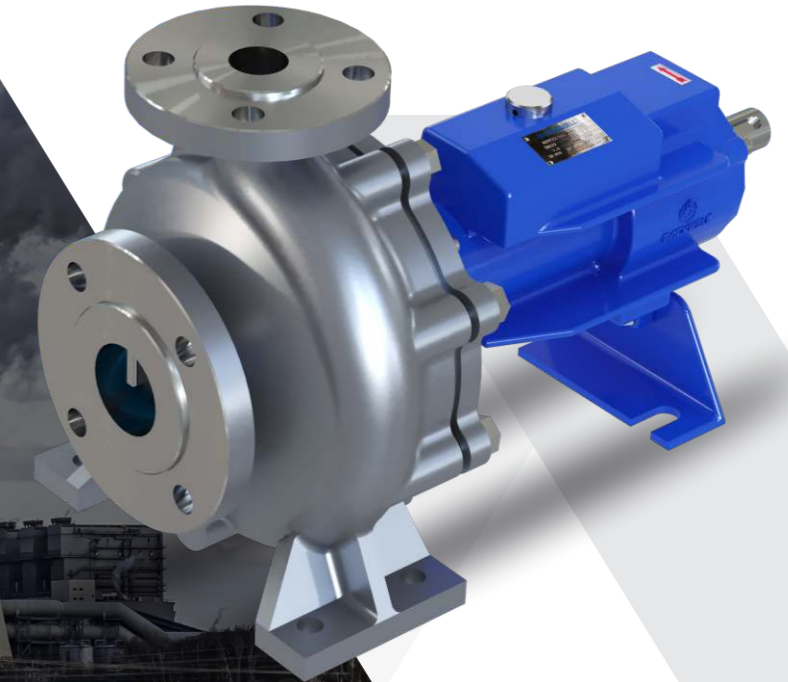
- ▲ - Filter Press Feeding.
- ▲ - Effluent Treatment Plant.
- ▲ - Dyes & Intermediates.
- ▲ - Steel Rolling Mills.
- ▲ - All type of Industrial Application.
- ▲ - Slurry Transfer.
- ▲ - Ceramic, ETP & STP.
- ▲ - Paper and Pulp, Sugar and Food.
- ▲ - Evaporator, Scrubber Application.
- ▲ - Zinc & Copper Plant.

Features

- ▲ - Single Stage Semi-Open Impeller.
- ▲ - Special design for Filter Press Application.
- ▲ - Reduce Gland leakage.
- ▲ - Heavy Duty Shaft, Sleeve & Bearings.
- ▲ - Noise & Maintenance free.
- ▲ - High efficiency, low power consumption.
- ▲ - Greases / Oil Lubricants Bearings.
- ▲ - Only Positive Suction Head.

MSHO Series

Hot Oil Pumps



Operating Data

| | |
|-----------------------|---|
| Flow Rate | Up to 400m³/hr |
| Head | Up to 110 Mtr. |
| Discharge Size | Up to 4" (100mm) |
| Operating Temperature | 350°C |
| Speed | Up to 3500RPM |
| M.O.C. | WCB (CS) / SS-304 / SS-304L / SS-316 / SS-316L |

Application

- ▲ - Thermic Fluid Transfer for Boilers.
- ▲ - Leather Industries, Rubber Industries & Textile Plants.
- ▲ - Food Processing Machineries and Plants.
- ▲ - Used in Wood, Plywood & Laminates Industries.
- ▲ - Chemical, Petrochemical, Paper & Sugar Mills
- ▲ - Manufacturing of Plastic & Synthetic Fiber Material.

Features

- ▲ - End Suction top discharge over hung impeller design.
- ▲ - Unique shaft design with minimum deflection which can withstand Thermal & Mechanical shocks.
- ▲ - Fitted with mechanical seal hence no leakage, no loss of costly material.
- ▲ - Being air-cooled, no water required to cool the pump.
- ▲ - Special designed bearing housing with fins for better heat transfer from the pump.
- ▲ - Available in SS316, SS304 material where hot corrosive liquid to be pumped.
- ▲ - Self venting center line discharge.

MSMP Series

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



Operating Data

| | |
|-----------------------|---|
| Flow Rate | Up to 640m³/hr |
| Head | Up to 50 Mtr. |
| Suction Head | Up to 5 Mtr. (Max.) |
| Solid Size | Up to 50mm |
| Discharge Size | 40mm to 200mm |
| Operating Temperature | 110°C |
| Speed | Up to 3500RPM |
| Working Pressure | Up to 5.5 kg/cm ² |
| M.O.C. | CI, CS, SS-304 / SS-304L / SS-316 / SS-316L, Bronze, Alloy-20, CD4AMCU Hastelloy B&C etc. |

▲ Application

- ▲ - Dewatering, Mud Marine, Effluent, Hotel Waste, Hospital Waste, Loading & Transfer of Oils, Spirits, Swimming Pools, Gas Oils & Engine Cooling.
- ▲ - Vessel, Industrial, Pumping Petroleum Products, Chemical, Civil Construction-dewatering foundations.
- ▲ - Filter press feeding, ETP/STP waste water treatment plant.
- ▲ - Public utilities - sewage pumping.
- ▲ - Mobile machinery - outting water for marine engines and shovels.
- ▲ - Pier, Excavations, Pits, Pot-holes etc.
- ▲ - Gram Panchayats, Municipality Public Health Department.
- ▲ - Large Housing Colonies, Chemical, Pharmaceutical, Food, Cement, Paper, Sugar, Salt, Steel and other.
- ▲ - For liquid cargo from Barge cargo ship.

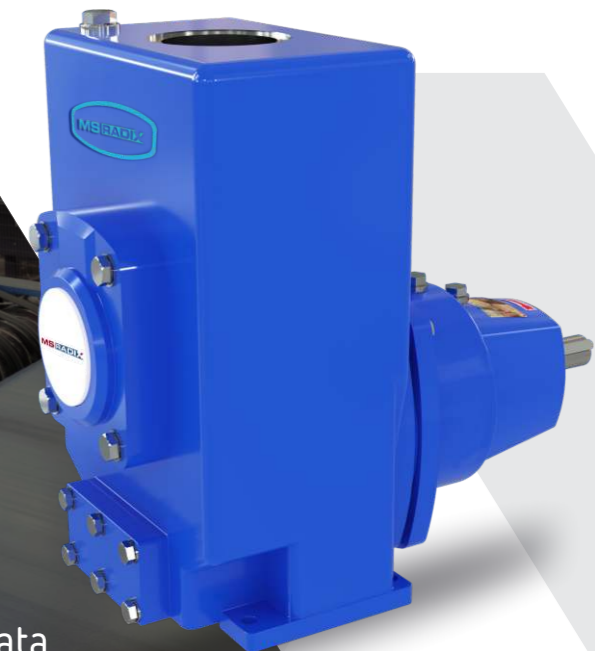
▲ Features

- ▲ - Non-clogging designed for high efficiency.
- ▲ - Semi Open Type & Hand finished for perfect smooth flow.
- ▲ - Heavy duty built with self-priming features & internally cast with base from closed grained CI casting.
- ▲ - Quick automatic self-priming action.
- ▲ - Repairs possible without disturbing the pipe connection.
- ▲ - Priming of suction pipe line not required

MSMP Series

(Mechanical Seal Type)

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



Operating Data

| | |
|-----------------------|---|
| Flow Rate | Up to 75m³/hr |
| Head | Up to 35 Mtr. |
| Suction Head | Up to 4 Mtr. (Max.) |
| Solid Size | Up to 20mm |
| Discharge Size | 32mm to 80mm |
| Operating Temperature | 110°C |
| Speed | Up to 3500RPM |
| Working Pressure | Up to 5.8 kg/cm ² |
| M.O.C. | CI, CS, SS-304 / SS-304L / SS-316 / SS-316L, Bronze, Alloy-20, CD4AMCU Hastelloy B&C etc. |
| Mechanical Seal | STV (carbon vs ceramic) / TC with NBR Elastomer), CCV (Carbon Vs Ceramic / TC with Viton Elastomer), CCT (Carbon vs Ceramic / TC with PTFE Elastomer) |

▲ Application

- ▲ - Civil construction - dewatering foundations, public utilities.
- ▲ - Filter press feeding, ETP/STP waste water treatment plant.
- ▲ - Public utilities - sewage pumping.
- ▲ - Mobile machinery - cooling water for marine engines and shovels.
- ▲ - Pier, Excavations, Pits, Pot-holes etc.
- ▲ - Gram Panchayats, Municipality Public Health Department, Large Housing Colonies, Chemical, Pharmaceutical, Food, Cement, Paper, Sugar, Salt, Steel and other for liquid cargo from freighters and barges.

▲ Features

- ▲ - Non-clogging designed for high efficiency.
- ▲ - Semi Open Type & Hand finished for perfect smooth flow.
- ▲ - Heavy duty built with self-priming features & internally cast with base from closed grained CI casting.
- ▲ - Quick automatic self-priming action.
- ▲ - Repairs possible without disturbing the pipe connection.
- ▲ - Priming of suction pipe line not required.

MSP Series

Single Stage, End Suction Back Pull Out Type
Centrifugal Process Pumps with Close Impeller



Operating Data

| | |
|-----------------------|--|
| Flow Rate | Up to 750m³/hr |
| Head | Up to 150 Mtr. |
| Discharge Size | 25mm to 300mm |
| Operating Temperature | -40°C to 200°C |
| Speed | Up to 3500RPM |
| Working Pressure | Up to 15 kg/cm ² |
| M.O.C. | Cl, CS, SS-304 / SS-304L / SS-316 / SS-316L, Bronze, Alloy-20, CO4AMCU Hastelloy B&C etc. |

▲ Application

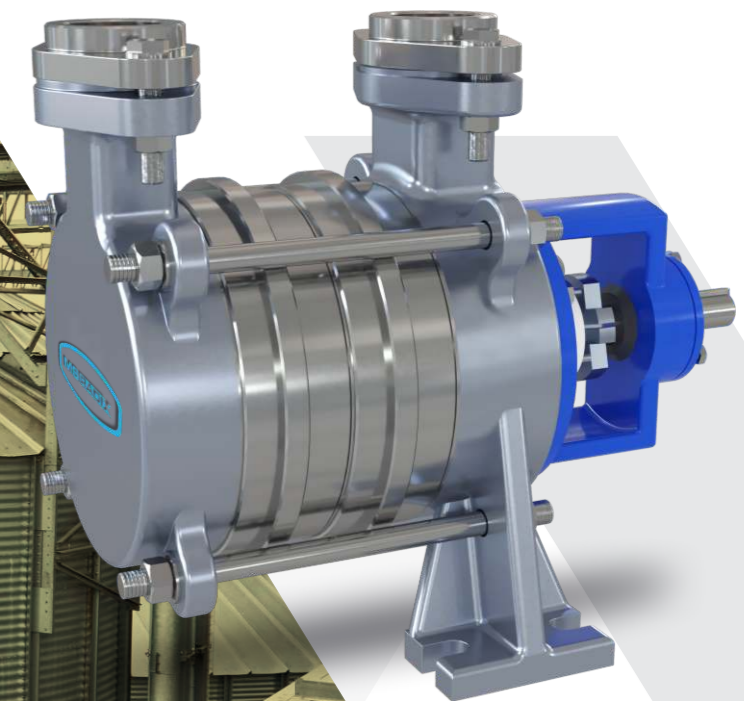
- ▲ - Suitable for handling low Viscosity, Clean or Slightly Contaminated Liquids.
- ▲ - Can be used for Drip Irrigation, Refrigeration System, Cooling Towers and Condensate Handling etc.
- ▲ - Use for Thermal Power Station, Rubber Industries, Organic and Inorganic Industries.
- ▲ - Can handle Solvents, Condensate, Hydrocarbons, Acids, Alkalis, Petrochemicals, Ammonia and Phosphate etc.

▲ Features

- ▲ - Designed to ISO-2858 : 1975 / EN-22858 / ISO-5199.
- ▲ - Optimized Single - Piece Bearing Bracket.
- ▲ - Heating / Cooling Jacket for the most Demanding Fluids.
- ▲ - Back Pullout Principle Design.
- ▲ - Mechanical Seals According to EN-12756 Single & Double Cartridge Seal Fitting & Easy to service.
- ▲ - Back Vanes for Hydraulic Balancing.
- ▲ - Rigid Cast Iron or Ductile Iron Bearing Bracket Construction.
- ▲ - The Permissible Forces and Moments comply with the Curves represented in ISO5199.

MSP Series

Self Priming Pumps



Operating Data

| | |
|-----------------------|---|
| Flow Rate | Up to 9m³/hr |
| Head | Up to 50 Mtr. |
| Discharge Size | 25mm to 40mm |
| Operating Temperature | 75°C |
| Speed | Up to 1440RPM |
| Working Pressure | Up to 4.5 kg/cm ² |
| M.O.C. | WCB, SS304 / SS304L, SS316 / SS316L, Other material can be offered on request. |

▲ Application

- ▲ - Loading and unloading of small and large drums
- ▲ - Barrel Filling
- ▲ - Small Tankers
- ▲ - Large use in Rolling Mills and Solvent Plant
- ▲ - Pharmaceutical
- ▲ - Laminates etc.

▲ Features

- ▲ - A jam free pump with moving parts made of special metal capable of sucking and delivery.
- ▲ - Clear liquids against the operating pressure.
- ▲ - No need of foot valve.
- ▲ - Specialized die casted pump parts.

PUMP SELECTION DATA

Application

- Thermic fluid Process ETP Filtration
- Transfer Load - unloading STP Other Other

Duty

- Continuous Intermittent Rate

Fluid Data

Name of the Liquid Any other Chemicals present.....
 Nature of Liquid Presence of any Impurity / Foreign Yes No
 If yes then its Nature Abrasive Non Abrasive Soft
 Specific Gravity Viscosity
 Operating Temperature pH Value Concentration (%)

Operating Data

Discharge Capacity Suction Head
 Delivery Head Total Differential Head

Material Construction

Wetted Parts New Wetted Parts

Shaft Sealing

- Giand Packing Mechanical Seal

Prime Mover

Motor / Engine KW / HP RPM
 Phase Volt Hz

Other Details

Suc. x Del. Size Coupling Type Flanges Standard

Note : For any other information you feel necessary please contact us.
 (As improvements are made from time to time, specifications in the brochure are subject to revise without notice.)

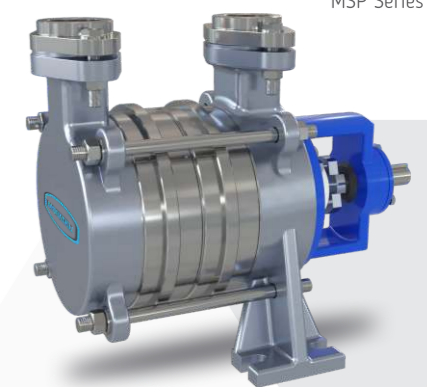
As per above pump selection

Pump Model Pump Series Pump Detail
 M.O.C. H.P. R.P.M.
 Seal Type Suc. x Del. Size

MSCP Series



MSP Series



MSMP Series



MSMP Series



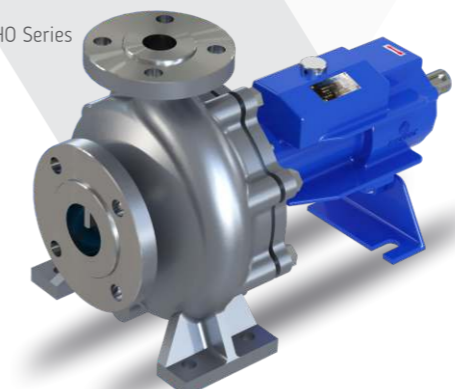
MSFLOW Series



MSFPP Series



MSHO Series



MSPP Series





MS RADIX™

**CENTRIFUGAL
P U M P S**