

**ELECTRIC  
SUBMERSIBLE**

**WASTEWATER  
PUMPS**

**DRY PIT**

**WET PIT**

**PORTABLE**

**3" to 12" / 80 - 300 mm  
DISCHARGE SIZES**

**MOTORS**

2 Pole 6 to 200 HP / 4.5 - 150 kW  
4 Pole 4 to 220 HP / 2.2- 165 kW  
6 Pole 2.5 to 150 HP / 1.9 - 115 kW  
8 Pole 10 to 50 HP / 7.5 - 37 kW  
Available in 50/60 HZ

**FLOWS**

**to 10,500 US GPM / 40,000 LPM**

**mody**  
**Pumps**

**MSP SERIES**



**mody**  
**Pumps**



# mody

## MSP SERIES

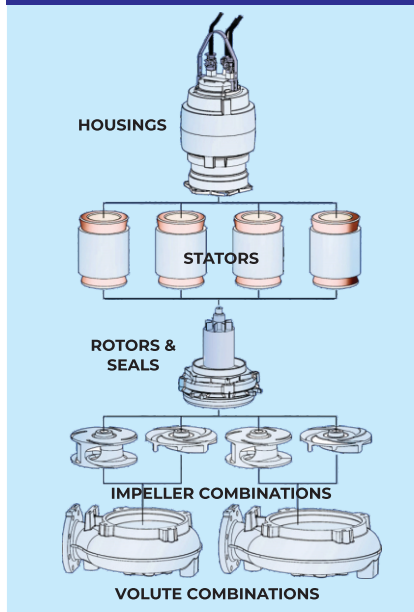
### FEATURES

High Efficiency Motors  
Class H (180°C) Insulation  
“Fast-Change” SC/SC  
Cartridge Mechanical Seals  
Modular Design,  
Interchange Components  
Adjustable Wear Ring  
System  
Vortex, Enclosed  
Impeller, ‘S’ Blade Channel Type  
Impeller, on same  
Shaft/Volute  
Latch-Bolts for Fast-Lock &  
Quick-Release  
Oil Tap Drain  
Interchangeable Parts with  
Pumpex® Brand Models  
Easy Retrofit to  
Pumpex®/Flygt® and other  
brand installation  
Optional, Self-Contained  
“Eco-Friendly” Cooling  
System

SPECIFICATIONS	MSP2	MSP3	MSP4 / MSP5 / MSP6
HP/KW Range	4.6 - 19 HP / 3.4 - 14 KW	20 - 46 HP / 15 - 34 KW	15 - 220 HP / 20 - 225 KW
Max Flow Range-GPM / LPM	1800 GPM / 6814 LPM	2400 GPM / 9085 LPM	4200 GPM / 16000 LPM 9692 GPM / 36700 LPM
Max Shut-off Head-Feet / Meters	220' / 67 M	330' / 100 M	196' / 60 M
Discharge Size-Inches / MM	3", 4", 6" / 75, 100, 150	3", 4", 6" / 75, 100, 150	4", 6", 8", 10", 12" / 100, 150, 200, 250, 300
Solid Handling-Inches / MM	Up to 4" / 100 MM	Up to 4" / 100 MM	Up to 4" / 100 MM
Impeller Type	Vortex / Channel ‘S’ Blade Channel Type	Vortex / Channel ‘S’ Blade Channel Type	Channel ‘S’ Blade Channel Type
Max Temp of Pumped Fluid	104°F / 40°C	104°F / 40°C	104°F / 40°C
Max Starts / Stops per Hour	15	15	15
Max Submergence Ft / M	66' / 20 M	66' / 20 M	66' / 20 M
Motor - Squirrel Cage / VFD Rated	2, 4, 6 Pole	2, 4, 6 Pole	2, 4, 6, 8 Pole
Siemens Design - Ip68 Enclosure	Yes	Yes	Yes
UL Listed Components	Yes	Yes	Yes
Die Cast Aluminium Rotor	Yes	Yes	Yes
Moisture & Thermal Overload Protection	Yes	Yes	Yes
Power Supply 208/230/460/575 Volts	Yes	Yes	Yes
Ball Bearing - Radial / Thrust	Single / Double	Single / Double	Single / Double
Power & Moisture Sensor Cables Ft / M	33' / 10 M	33' / 10 M	33' / 10 M
Cartridge Mechanical Seals	Yes	Yes	Yes
Cooling Jacket System-Optional	Yes	Yes	Yes

### MODULAR DESIGN

Multiple Configurations  
Mix & Match Module  
Motor Housings  
Motor Stators  
Motor Rotors & Cartridge Seals  
Pump Impeller  
Pump Volutes



### MSP2, 3 & 4 COMPONENTS

Stator Casing	Cast Iron ASTM A-48, class 35
Pump Volute / Casing	Cast Iron ASTM A-48, class 35
Casing Wear Ring	Cast Iron ASTM A-48, class 35
Lifting Handle	AISI 316 Stainless Steel
Impeller	Ductile iron ASTM A-395, Grade 60-40-18
Shaft	AISI 431 Stainless Steel
Shaft Sleeves	AISI 431 Stainless Steel
Hardware	AISI 304 Stainless Steel
Mechanical Seal	SC / SC
O-Rings	Nitrile Rubber



## Mody Pumps Inc.

2166 Zeus Court Bakersfield, CA 93308 , USA  
For Sales Enquiry Contact : +1 (661) 392 - 7600  
Email : insidesales@modypump.com





# A Comprehensive range of Submersible Pumps



## Slim Line Series

Contractor dewatering pumps developed for critical diameter applications. Equipped to handle contaminated fluids, heavy-duty with Class H insulation pumps are ideal for dewatering, mining, muddy water & Rental fleets. Product Range - From 1.1 Kw to 110 Kw.

## Side Discharge

Developed for compacted low ceiling' applications. Equipped to handle contaminated fluids, these heavy-duty Class H insulation pumps are ideal for Mining, Construction Sites, tunnel Utility works, rental fleets. Product Range - From 3.7kW to 26kW

## Slim Line Stainless Steel Series

The Slim Line series is also available in Stainless Steel materials for corrosive and abrasive applications and capable of handling fluids in the 2-10 pH range. Available from 1.1 kW to 37kW

## Non-Clog Sludge Series

Vortex style, recessed impeller addresses applications where large solids are present in the pumped material. Units capable of handling up to 65mm solids. Units available with max of 7.5kW

## Wastewater, Sewage and Sludge Series

Equipped with high efficiency motors, Class H insulation and VFD with an optional self-contained maintenance free cooling system. Available from 3.7kW to 200kW.

## Grinder Series

Features adjustable duplex stainless steel grinding mechanism and high efficiency motors, Class H insulation and VFD rated. Available 13.5kW.

## Sewage Handling Series

Dimensionally interchangeable with other popular pump brands. Ideal for portable and permanent applications. Units can handle Solids upto 100mm & 15 starts /stops per hour. Available up to 90kW.

## Slurry and Sand Series

Designed to handle highly abrasive particles in suspension. Hi-Chrome dual impellers provide maximum solids handling without sacrificing efficiency. Available up to 112kW.

## Dewatering, Slurry and Sand Series

These units feature 28% Hi-Chrome components with a built-in agitator and designed for portable installations. Available up to 37kW.

## Air Operated Double Diaphragm Series

Portable Double Diaphragm pumps for various application in Chemical, Construction, Mining, Utility, Process, Refineries, Textiles, Pharmaceuticals, Ceramic, Foods & Beverages Industries. Ranging From 1/2" to 3" Inlet / Outlet. Design & MOC Available for various application.



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# DEWATERING PUMPS

G, M, MGH SERIES





# DEWATERING PUMPS

## MODY'S DESIGN ADVANTAGES & MATERIAL OF CONSTRUCTION

- 1 All Mody Dewatering pumps use a 'water dam' sealing arrangement wherein the outer jacket (OD) of the cable is sealed using a grommet and the individual leads of the cable are sealed using a second compression grommet. This arrangement precludes the fluid from 'wicking' down into the motor in the event the outer jacket on the cord gets cut. We do NOT use silicones/epoxies. For demanding applications a three foot long stainless steel sheath protects the power cable.
- 2 Built-in Automatic ON/OFF/ON Thermal Overload switches wired directly to built-in contactor are standard on the Side Discharge Series. Thermal Protection is optional on the Slimline Series when wired to external control box. Built-in Moisture Sensor that detects progressive seal wear which automatically shuts down the pump is optional on the Side Discharge Series.
- 3 Continuous Duty rated "H" Class, triple-dipped and epoxied Heavy-duty Motors. Available in any voltage/frequency combinations.
- 4 Equipped with Sacrificial Zinc Anodes for maximum life in a Saline fluid environment.
- 5 Tandem Mechanical Seals on all pump series, include Tungsten Carbide faces.
- 6 Mechanical Seals are all enclosed in pressure compensated oil bag / chamber.
- 7 Field adjustable Nitrile Rubber Lined Diffuser/Wear Plate. Also available with Polyurethane.
- 8 Pumps are available in Standard MOC as Aluminium alloy Casing, SS 410 Nitride hardened Impeller, SS 431 Shaft, other Hardware in SS material. Also available in Complete SS 316 construction for Sea Water & Corrosive application.
- 9 Mody Pumps Range - 1.5 HP to 150 HP



G SERIES



M SERIES

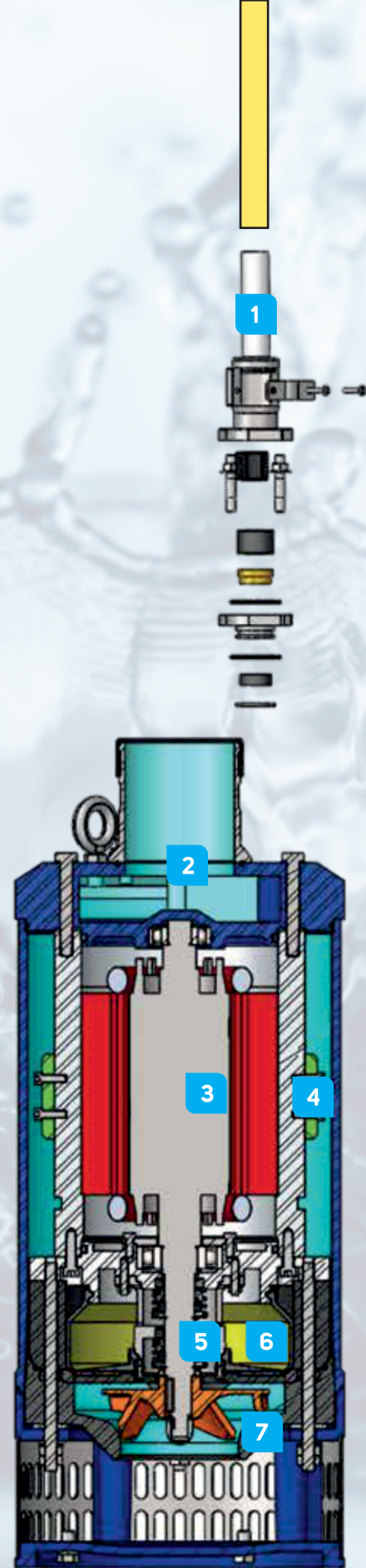


MGH SERIES

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**Pumps**

[www.modypump.com](http://www.modypump.com)





# AIR OPERATED DOUBLE DIAPHRAGM PUMPS

## MDP SERIES





# AIR OPERATED DOUBLE DIAPHRAGM PUMPS



## MDP SERIES

THE PUMPS IN THIS SERIES ARE USED BY THE THE FOLLOWING INDUSTRIES:



AUTOMOTIVE



BEVERAGE



CERAMIC



CONSTRUCTION



SEWAGE



CHEMICAL



MINING



ELECTRONIC



PULP & PAPER



MUNICIPAL



REFINERIES



TEXTILE



UTILITY



PHARMACEUTICAL



FOOD



PAINT & COATINGS



MARINE



ENERGY

AVAILABLE IN  
1/2", 1", 1.5", 2" & 3" SIZES

## MDP FEATURES

- Maximum portability
  - Safe for use in explosive environments
  - Operates submerged or with flooded suction
  - Self-Priming from a dry start up to 6 meters without foot valve.
  - No Shaft seals or gland packing hence no leakage
  - Variable flow
  - Pressure up to 99 Psi
  - Quick assembly & disassembly
  - Low internal velocity reduces wear
  - No sliding, rotating parts or closed fitting can handle wide range of fluids with high solid content.
- If pump stops or discharge is clogged no power consumed, no wear.
- By opening the discharge, flow starts automatically

## MATERIALS OF CONSTRUCTION

- Standard Polypropylene, PVDF, Aluminum, Stainless Steel and Ductile Iron.
- Combination of Neoprene, Hytrel, Sentoprene, Teflon, Buna for different media.
- Combination also for NRV in Neoprene, Teflon & Stainless Steel.
- End connection for suction and discharge in BSP, Flange or NPT.
- Accessories such as hoses, air inlet connector, P U tubing, FRL Unit, Hose Clamps, Dampener, and Strainer are available.

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