M PUMP & ENGINEERING SDN BHD

940455-D (201101012315)



COMPANY PROFILE 2023/24

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Welcome to M PUMP

About us

M PUMP has more than 30 years of professional and technical experience in Air Operated Double Diaphragm Pump.

M PUMP is more than a fine quality pump provider, together with our partners, we provide professional pumping solutions to most of the industries.

We strive to maintain good relationships and design great solution for all our industrial customers, it's all because we care.

We are always ready to serve you in a better way.

Organization Quality Policy

M Pump & Engineering Sdn Bhd is fully committed to fulfill total customer satisfaction through:

01. Supplying Best Quality Product

02. On Time Delivery

03. Competitive Price

04. Prompt Services



Air Operated
Double Diaphragm Pump

CHARACTERISTICS

Feature one

With improvements, adaptations and various forms of the pump materialized. Air-driven diaphragm pumps, in various applications today because of the enhancements, and electrical and digital advancements have increased efficiency, performance, precision and monitoring capabilities.

Feature two

Air Operated Double Diaphragm Pump have an innovative flow pattern to minimize internal friction losses. These design features ensure that the compressed air is only used to move the liquid and not to compensate for friction losses.

Feature three

Self-priming and sealless, our pumps are ideal for abrasive, semisolid, corrosive and shear sensitive materials. They are also chosen for applications; where electricity is not available, or cannot be used due to safety conditions. Diaphragm pumps provide pollution-free and energy-efficient operation, with fewer moving parts than conventional motor-driven pumps.

Feature four

Maintenance costs are significantly reduced for many fluids because in the event of a diaphragm failure, the air drive system is not contaminated or in need of extensive cleaning or replacement.

Feature five

Air is prevented from entering the fluid being pumped, so critical applications (example: ceramic slip) where air mixed with the transfer fluid would degrade the final product can be performed reliably even in the event of diaphragm failure.

Our Application

Diaphragm Pump application usually able to find from industries such as Paint & Coating; Ceramic; Chemical; Coatings. Construction, Food Processing, Marine, Mining, Oil & Gas, Rubber; Waste Water and etc.



CHEMICAL INDUSTRY

Air Operated Double Diaphragm (AODD) pumps are crucial in the chemical industry for safely and efficiently handling a wide range of chemicals, including aggressive, abrasive, and shear-sensitive substances. Their robustness, versatility, and safety features make them an ideal choice for various chemical processes. AODD pumps not only excel in safeguarding against corrosion and environmental risks but also offer the flexibility to handle chemicals with varying viscosities. Their sealless design ensures that sensitive chemicals remain uncontaminated during transfer, further solidifying their indispensable role in the chemical sector.

PAINT PRODUCTION INDUSTRY

The paint industry faces numerous challenging pumping applications due to the specific nature of the fluids involved. Within the production process, a variety of fluids, such as paint, resins, and solvents, must be transferred. Notably, solvents are flammable, necessitating the use of air-operated or explosion-resistant motors. AODD pumps, being air-operated, are exceptionally well-suited for these applications, with grounding being a straightforward safety measure. Given the diversity of paint types, viscosity can pose a considerable challenge for many pump types. However, as a positive displacement pump, AODD excels in handling paints with viscosities of up to 10,000cps.



Our Application

Diaphragm Pump application usually able to find from industries such as Paint & Coating; Ceramic; Chemical; Coatings. Construction, Food Processing, Marine, Mining, Oil & Gas, Rubber; Waste Water and etc.



CERAMIC PRODUCTION INDUSTRY

In the ceramic industry, AODD pumps are indispensable, especially for managing abrasive materials like kaolin and clay slip, known for their propensity to cause significant wear in pumps. AODD pumps stand out by maintaining laminar flow, substantially reducing wear and tear issues. Their 1:1 ratio design requires smaller motors, effectively transferring high-density fluids such as kaolin and clay slip using compressed air at 8 bar, achieving discharge pressures of around 8 bar.

Furthermore, the adaptability of AODD pumps is evident through their compatibility with various diaphragm materials, including rubber, PTFE, and thermoplastic elastomers, catering to diverse applications in the ceramic industry. Beyond handling abrasives, these pumps excel in vital processes like glazing and spraying, demonstrating their versatility and indispensable role in ceramic production, making them a cornerstone in fluid management within this sector.

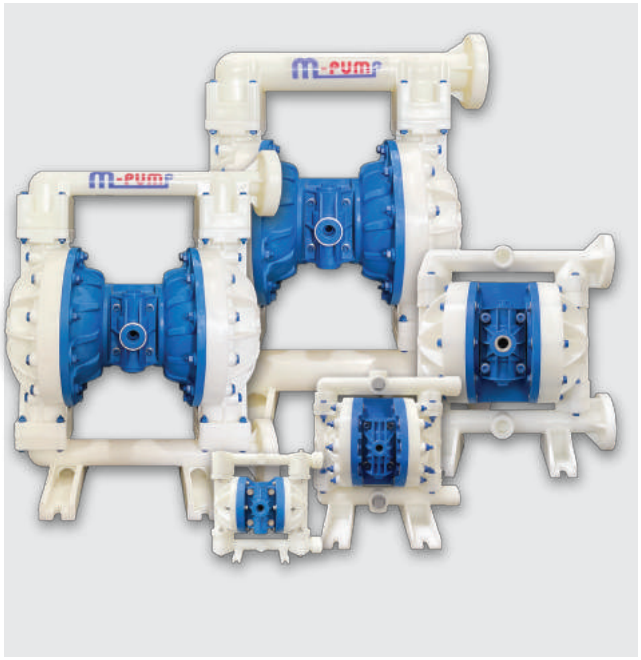


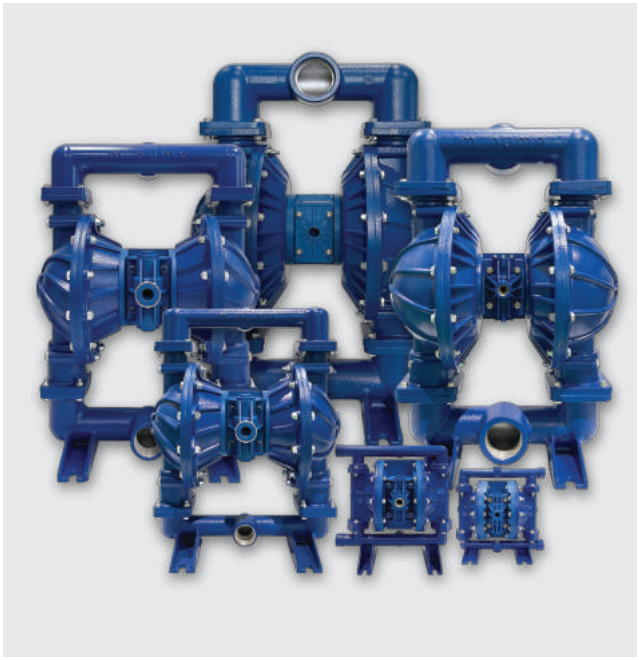
ENVIRONMENT INDUSTRY

AODD pumps are essential tools in the environmental industry, particularly for handling challenging tasks like transferring abrasive sludge in wastewater treatment. They excel in chemical dosing and safely manage corrosive substances, aiding water treatment and pollution control. Additionally, AODD pumps play a crucial role in groundwater remediation, addressing environmental challenges effectively and contributing to cleaner, sustainable practices.

Our Products

M Pump products comes in Plastic Range and Metallic Range.





M Pump
Plastic Product Range

1. 2 Plastic Material options:
   - Polypropylene
   - Kynar® (PVDF)
2. Pump Range 1/4" to 2"
   - Flow rate up to 650 l/min
   - Thick wall mouldings - handling pressures up to 8 Bar
3. Flanged inlet/outlet connections that can be tapped BSP or NPT
4. Wide Variety of applications for various markets including the Chemical, Process and Food & Beverage industries

M Pump
Metallic Product Range

1. 3 Metallic Material options:
   - Aluminium
   - Stainless Steel
   - Cast Iron
2. Pump Range 1/2" to 3"
   - Flow rate up to 950 l/min
3. Wide variety of industrial applications including Ceramic Slip and Glaze, Inks, Paints & Coatings, Water, Oil, Adhesives and many more

Why Choose Us

- Green Technology
- Effective
- Energy Saving

Advantages of Diaphragm Pumps

COMPACT SIZE

SELF PRIMING

AIR OPERATED

CAN BE INSTALLED OUTDOORS INDEFINITELY WITHOUT DAMAGE

CAN RUN AT A WIDE VARIETY OF FLOWS

PRESSURE CAN BE ADJUSTED INFINITELY

CAN RUN DRY WITHOUT DAMAGE

LOW PRODUCT DEGRADATION AND AGITATION

CAN HANDLE SOME SOLID CONTENT

CAN OPERATE SUBMERGED

DOES NOT GENERATE HEAT

SIMPLE IN OPERATION

EASILY MAINTAINED WITH NO SPECIAL TOOLS OR SKILLS REQUIRED

WIDE VARIETY OF CONSTRUCTION AND ELASTOMER OPTIONS AVAILABLE

NO MECHANICAL SEALS

Materials & Options

WETTED MATERIALS	NON-WETTED MATERIALS	DIAPHRAGM OPTIONS	BALL VALVE OPTIONS
- Aluminium - Stainless Steel - Polypropylene - Kynar® (PVDF) - Cast Iron	- Aluminium - GFPP - Stainless Steel - Nickel Plated	- Buna - Neoprene - Hytrel - PTFE - Santoprene - Polyurethane	- Buna - Neoprene - Hytrel - PTFE - Santoprene - Polyurethane - Stainless Steel

Company Info

Authorized Capital:
RM 1,000,000.00

Major Share holders:
Dato' Teh Bee Cheong 50%
Datin Chan Siew Lay 50%

Company Register Number:
201101012315 (940455-D)

Type Of Company:
Sdn Bhd (Pte Ltd)

2022 Revenue:
RM 9,800,000.00

Our Accreditations

FMM

PENFEIA

ISO 9001

PATENTED DESIGN

BUATAN MALAYSIA

FDA

CE MARKING

ATEX