

Diapharm/AODD pump



“RMDP Series”

Rotomake Diaphragm Pumps are designed to deliver reliable, leak-proof, and efficient fluid transfer for a wide range of industrial applications. Built with high chemical compatibility, strong corrosion resistance, and durable mechanical components, these pumps ensure safe handling of corrosive, abrasive, viscous, and sensitive liquids.

Rotomake focuses on providing diaphragm pumps that operate with minimal maintenance, self-priming capability, and dry-running safety. These pumps are engineered to perform in challenging environments such as chemical processing, wastewater treatment, pharmaceuticals, oil industries, food processing, and general industrial fluid movement.

Pump Type:

- Air Operated Double Diaphragm (AODD)
- Mechanically Operated Diaphragm Pump

PERFORMANCE RANGE

- Flow Rate: 0.5 LPM to 400 LPM
- Head / Pressure:
 - AODD: up to 7 bar
 - Mechanical: up to 10 bar
- Suction Lift (Self Priming):
 - Wet: up to 6 meters
 - Dry: up to 3 meters
- Discharge Size: 1/2" to 3"
- Air Inlet Pressure (AODD): 1.5 to 7 bar
- Viscosity Handling: up to 100,000 cPs

MATERIAL OF CONSTRUCTION (MOC)

Pump Body:

- PP, PVDF, Aluminium, SS304, SS316

Diaphragm Materials:

- PTFE, NBR, EPDM, Viton

Balls & Seats:

- PTFE, PP, SS316, Santoprene, Viton, EPDM

Valve Type:

- Ball valve or flap valve

OPERATING PARAMETERS

Temperature Range:

- PP: 0°C to 70°C
- PVDF: 0°C to 90°C
- SS: up to 120°C, Solid Handling Capacity: Up to 6 mm

DESIGN FEATURES

- Leak-proof construction
- Self-priming ability
- Dry running capability
- Low shear pumping
- High corrosion resistance
- Modular air valve (AODD)
- Smooth reciprocating motion

APPLICATION INDUSTRIES

- Chemical Processing
- Petrochemicals
- Effluent & Sludge Transfer
- Wastewater Treatment
- Pharmaceuticals
- Paints & Coatings
- Food & Beverages
- Oil & Lubricants
- Mining & Minerals
- Construction & Ceramic Industry

TYPICAL MEDIA HANDLED

- Acids & Alkalis, Solvents, Corrosive chemicals, Paints & Dyes, Sludge & Slurry, Adhesives & Glue, Oils & Grease, Viscous Liquids & Powders