

Dosing pump



“RMDO Series”

Rotomake Dosing Pumps are precision-engineered metering pumps designed to deliver accurate and consistent chemical dosing across industrial applications. These pumps ensure controlled flow, reliability, and long service life even under demanding conditions. Built with corrosion-resistant materials and advanced mechanism design, Rotomake Dosing Pumps are suitable for handling chemicals, additives, and process fluids with high accuracy.

Rotomake’s commitment to quality ensures that every dosing pump is manufactured with superior engineering, easy serviceability, and consistent metering performance. These pumps are ideal for water treatment, chemical dosing, boiler feed treatment, ETP/STP, pharmaceutical processing, and industrial automation systems.

KEY BENEFITS

- Highly accurate metering performance, Leak-proof diaphragm mechanism, Handles corrosive and hazardous chemicals- Smooth stroke adjustment for precise dosing, Low maintenance and long operational life, Available in multiple MOC for chemical compatibility, Suitable for continuous-duty operation

PUMP TYPE

- Plunger Type Dosing Pump
- Mechanical Diaphragm Dosing Pump
- Hydraulic Diaphragm Dosing Pump
- Solenoid Operated Dosing Pump

CAPACITY RANGE

- Flow Rate: 0.5 LPH to 5000 LPH
- Pressure: Up to 12 bar (mechanical diaphragm)
- Pressure: Up to 100 bar (plunger/hydraulic diaphragm)
- Stroke Adjustment: 0–100% manual or automatic

MATERIAL OF CONSTRUCTION (MOC)

Pump Head:

- PP, PVC, PVDF, SS304, SS316

Diaphragm:

- PTFE (Standard)
- EPDM, NBR (Optional)

Valves:

- SS316, Ceramic, PTFE, PVC Seals: PTFE, Viton, NBR

OPERATING DATA

- Temperature Range: 0°C to 90°C (depending on MOC)
- Viscosity Handling: Up to 800 cPs
- Accuracy: $\pm 1\%$ of rated capacity
- Repeatability: Better than 98%
- Suction Lift: Up to 2 meters (flooded suction recommended)
- **Power Supply:**
 - 230V AC / 415V AC (motor driven)
 - 230V AC / 24V DC (solenoid)

FEATURES & DESIGN ADVANTAGES

- Compact and rugged construction
- Oil-lubricated crankcase for continuous reliability
- High chemical resistance
- Smooth pulsation-free dosing with dampener (optional)
- Option for auto-stroke control via 4–20 mA signal
- Modular design for easy maintenance

APPLICATION INDUSTRIES

- Water & Wastewater Treatment (ETP/STP)
- Boiler water treatment
- Cooling tower chemical dosing
- Chemical & Petrochemical plants
- Pharma & Biotech, Food processing industry

Rotomake provides fully engineered dosing solutions with high accuracy, durability, and maximum chemical compatibility for industrial and process applications.