ROTOMAKE
ENGINEERING INTERNATIONAL

Polypropelyne pump(PP)

“RMPP Series”

Rotomake Polypropylene (PP) Pumps are engineered for highly corrosive and chemically aggressive liquids. These pumps are widely used in chemical industries, acid transfer, effluent treatment plants, pickling plants, and other industrial applications requiring strong corrosion resistance. Built with high-grade PP, HDPE, and optional PVDF construction, Rotomake PP pumps ensure long operational life, leak-proof performance, and minimum maintenance.

Rotomake PP pumps are designed for continuous service, providing excellent resistance against most inorganic chemicals, strong acids, alkalis, salts, and solvents. These pumps are ideal for industries that handle dangerous chemicals and require safe, non-metallic pumping solutions.

KEY FEATURES

- High-grade Polypropylene / HDPE construction
- Excellent corrosion and chemical resistance
- Leak-proof mechanical seal design
- Available in sealless magnetic drive version
- Suitable for highly corrosive & acidic fluids
- Rigid, robust, and maintenance-free design

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TECHNICAL SPECIFICATIONS

- Capacity: 0.5 m^3/hr to 60 m^3/hr
- Head: Up to 55 meters
- Temperature Range: Up to 80°C (PP), 110°C (PVDF)
- Pump Type: Centrifugal, Monoblock, Coupled
- Material of Construction (MOC):
  - Casing: PP / HDPE / PVDF
  - Impeller: PP / PVDF
  - Shaft: SS316 / Ceramic / Hastelloy (as required)
  - Seal: Mechanical Seal (Silicon Carbide / Carbon / Ceramic)
- Connection Type: Threaded / Flanged
- Bearing: Heavy-duty ball bearings
- Drive: Electric Motor 0.5 HP to 20 HP (1440 or 2900 RPM)

APPLICATIONS

- Acid Transfer
- Chemical Processing
- Effluent Treatment Plants (ETP)
- Sewage & Industrial Waste Handling
- Pickling Plants
- Fertilizer & Petrochemical Industries
- Pharma & Dyes Plant
- Metal Finishing Applications
- Scrubber Systems & RO Plants

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ADVANTAGES

- Non-metallic pump for corrosive media

- Long life due to chemical-resistant MOC

- Zero corrosion problems

- Easy maintenance & simple construction

- Compatible with a wide range of chemicals and acids