

Hydraulic Gear pump



“RMHG Series”

Rotomake Hydraulic Gear Pumps are engineered to deliver precise, reliable, and efficient hydraulic performance across demanding industrial and mobile applications. Built with high-grade materials and advanced manufacturing technology, Rotomake pumps ensure consistent flow, high pressure capability, and long operational life even under continuous-duty conditions.

Our hydraulic gear pumps use a positive displacement principle with high-strength alloy steel gears and robust cast-iron housings that guarantee durability, low noise levels, and superior volumetric efficiency. With optimized gear profiles and precision-clearance design, Rotomake pumps operate smoothly, reduce internal leakage, and maintain stable flow across wide pressure and speed ranges.

Rotomake offers a complete range of single and double hydraulic gear pumps suitable for power packs, machinery, construction equipment, agricultural implements, plastic injection molding machines, and material handling systems. Custom displacement, port configurations, and mounting options are available to meet specialized hydraulic system requirements.

Every Rotomake pump undergoes strict quality checks, dynamic testing, and performance validation to ensure long-term reliability in the most demanding environments. Our commitment to quality, innovation, and customer satisfaction has made Rotomake a trusted choice for hydraulic pumping solutions.

TECHNICAL SPECIFICATIONS

Parameter	Typical Range
Pump Type	External Gear Pump
Flow Rate	1 LPM to 200 LPM
Pressure Rating	50 bar to 300 bar
Speed Range	500 – 3000 RPM
Displacement	1 cc/rev to 150 cc/rev
Viscosity Range	10 – 300 cSt
Temperature Range	-10°C to +80°C
Suction Lift	Up to 1 meter
Rotation	CW / CCW
Mounting Type	SAE / 2-bolt / 4-bolt
Port Size	BSP/NPT/SAE (as required)

MATERIAL OF CONSTRUCTION (MOC)

Component	Material
Pump Housing	Cast Iron / Aluminum
Gear Set	Alloy Steel / Case Hardened Steel
Shafts	EN8 / EN19
Seals	NBR / Viton
Bushes	Bronze / Sintered Metal

KEY FEATURES

- High volumetric efficiency
- Low noise operation
- High pressure capability
- Compact and lightweight design
- Suitable for continuous-duty applications
- Self-lubricating gear design

APPLICATIONS

- Hydraulic power packs
- Injection molding machines
- Mobile equipment (tractors, loaders)
- Press machines
- Material handling equipment
- Industrial hydraulic systems
- Lubrication systems

AVAILABLE OPTIONS

- Single / Double gear pump
- Stainless steel shaft option
- Viton seal for high-temperature applications
- Flange or foot mounting
- Custom displacement sizes