



ROTOMAKE
ENGINEERING INTERNATIONAL

LOBE PUMP

Reliable. Efficient. Built to Last.

RotoMake Lobe Pumps are engineered for superior performance, durability and smooth operation in the most demanding applications.



ROBUST CONSTRUCTION

Built for long life and continuous operation.



HIGH EFFICIENCY

Optimized design for maximum efficiency and low energy consumption.



SMOOTH FLOW

Pulsation-free flow ensures product integrity and consistent output.



EASY MAINTENANCE

Simple design for quick inspection and minimal downtime.



VERSATILE APPLICATION

Ideal for a wide range of industries and viscous fluids.



HOW IT WORKS

Inside the pump, a precision gear set drives the tri-lobe rotors in perfect timing. As the rotors turn in opposite directions, they create a low-pressure pocket at the inlet that draws fluid into the pump chamber.

The fluid is trapped between the rotor lobes and the pump body and carried around to the discharge side.

As the lobes re-engage, the trapped fluid is pushed out smoothly through the outlet.



MATERIAL & DESIGN

- ✓ **Wetted Parts** : Stainless Steel AISI 316
- ✓ **Surface Finish (Internal)** : $Ra \leq 0.8 \mu m$
- ✓ **Gearbox** : Cast Iron
- ✓ **Base Frame** : Cast Iron
- ✓ **Coupling Guard** : Aluminium
- ✓ **Rotors** : Tri-lobe Design
- ✓ **Elastomers (Product Wetted)** : Viton
- ✓ **Elastomers (Others)** : NBR
- ✓ **Shaft Seal** : Single Mechanical Seal
- ✓ **Rotary Seal Face** : Tungsten Carbide (TC)
- ✓ **Stationary Seal Face** : Tungsten Carbide (TC)
- ✓ **End Connections** : Threaded, SMS Union, Tri-clamp



RELIABLE PERFORMANCE

Consistent flow with minimum pulsation



HYGIENIC DESIGN

Smooth internals for easy cleaning



EASY MAINTENANCE

Simple design for faster inspection & service



BUILT STRONG

Robust construction for long service life



PUMP SELECTION GUIDE

To recommend the right rotary lobe pump, please provide the following details. This helps our engineering team ensure the best fit for your application.

FLUID INFORMATION

- ▶ Type of fluid
- ▶ Viscosity (cP)
- ▶ Specific gravity / Density
- ▶ Operating temperature (Min / Normal / Max)
- ▶ CIP temperature (Min / Normal / Max)

PERFORMANCE REQUIREMENTS

- ▶ Required flow rate (Min / Normal / Max)
- ▶ Discharge pressure or head (at outlet)
- ▶ Suction condition (flooded / lift / NPSH available)
- ▶ System details and duty conditions

Model	Port Connection	Maximum Head		Max Speed	Max Flow Capacity	
		Bar	psi	rpm	Lpm	USGpm
LOBE-100	25 mm (1")	7	100	960	80	21
LOBE-150	40 mm (1.5")	7	100	960	125	33
LOBE-200	50 mm (2")	7	100	720	270	71
LOBE-250	65 mm (2.5")	6	87	720	350	92
LOBE-300	80 mm (3")	6	87	540	420	110
LOBE-400	100 mm (4")	5	72	540	650	171
LOBE-500	125 mm (5")	5	72	420	800	211
LOBE-600	150 mm (6")	5	72	420	1000	264

Note: Performance may vary based on fluid type, viscosity, temperature and system conditions.



HIGH EFFICIENCY



CORROSION RESISTANT



LEAK FREE DESIGN



EASY MAINTENANCE



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