



All Types Of LOBE PUMP

UAL - SERIES

- Compact
- Efficient
- Reliable
- Easy Maintainable
- Easy Cleanable



TRI-LOBE PUMP



VFD - Trolley Mounted



ALFA SERIES



UNIQUE LOBE PUMP

ABOUT US :

The simplified in and around flow design of UNIQUE Lobe pump permits easy handling of wide range of Viscosities and minimizes internal loss. Unique Lobe pump is engineered for superior performance and longer life.

HYGIENIC CONSTRUCTION :

AISI 316 stainless steel liquid contact parts. pumps and gear housing separated no risk of oil mixing with product. Pumps head constructed for inline cleaning.

LOW MAINT. COST :

High capacity roller bearing, increased life. Easily removal cartridge of shafts, gears and bearing for rapid maintenance reduce down time

RANGE :

- CAPACITIES : 5 to 2000 LPM
- VISCOSITIES : UPTO 1,00,000 CST
- PUMPS CAN BE CUSTOMIZED FOR FLOW & PRESSURE
- PRESSURE : UPTO 7 kg / cm²
- SPEED : 100 to 960 R.PM

APPLICATION :

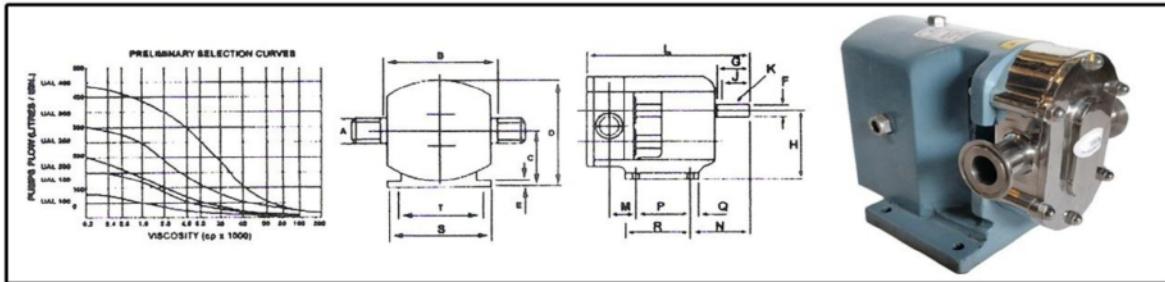
- **Daily Products** -Beverages and Wines, Cakes and Baked Goods Fruit and Vegetable, Meat and fish, Animal Food Convenience food canned ,Sugar and Starches Oils and Fat Condiments and Dressings, Misc. Ingredients and Additives
- **Paints, Links and Coatings** - Water based paints, Lacquers, Varnish, Pigments, Plasticizer, Acrylic adhesive, Resins, Hardeners, Catalysts, Colourings, inks, Glycerine, Wax, Emulsions (water/oil and waste/soap)
- **Soap & Detergents** - Soap & Surfactants, soda lye, Additives, Builders, Glycerine, animal Fastand Vegetable Oil, amines, Enzymes, Concentrated dyes and perfumes Caustics, Brine and Sodium hydroxide, Niger Bleaches, Fatty acids, Deionized water.
- **Cosmetics and Pharmaceuticals** - Oils-cream (Beauty cream, toothpaste, etc.) lotions, gels, mills, liquid, soap, Shampoo Ointments, Syrups, Emulsions, Aroma extracts, Liquid pharmaceutical products, Additives, Reagents, Various cosmetic Foundations, etc.
- **Waste Water Treatment** - Polymers-Chemical Feed

MANUFACTURED PRODUCTS AND PROCESSES :

- Phytosanitary products (fungicides, Liquid fertilizer,etc) Plasturgy (Polyhdric alcohols,isocyanates)-Acid effluents for Surface trearment-Polyments
- Milk-Cream-Stirred yoghurts-Fresh cream-ice Cream-Condensed Milk Pudding-Melted cheese-fermented agents-Flavouring-Dessert cream-liquid sugar, etc
- Beverages-Alcohol-Liquid-Wine-Beer-Fruit Juice-Syrups-Yeasts-Liquid Suger-Flavoing-Colorings,etc
- Dough-Fillings-Garnishes and coating-Yeats-Liquid eggs-Better(Pancake Better) Chocolate-Flavoring-Colorings-Indregdients and additives, etc
- Tomato concentrates-Fruit concentrates-Juice-Purees-Stewed fruit-Fruit jelly-Oils and vegetable fats. Oils and animal fats (edible tallow,lard,etc) Blood products-Galatin-Oils Molasses-Brine-Enzymes-Lactic acid-Ascorbic acid-Chlorides,etc
- Dressings-Vegetable and fish soup-Condiments (Tomato sauce, Ketchup, tomato puree, crushed tomato's) -Baby food-Oils-Brine-jelly, etc.
- Liquid sugar-Honey-Liquors-plup-Juice-Glucose-Starch and by-products etc
- Mayonnaise-Tomato concentrate-Ketchup -Mustard-Dressings-Vinegar-etc Yeasts-Fermented agents- Acid(Lactic acid, formic acid ascorbic acid, etc) Flavorings-Colorings,etc
- Fat Edible-Meat emulsions-Flavorings-Colorings

SALLENT FEATURES OF UNIQUE ROTARY LOBE PUMPS

1. Unique Pumps are meant for high mechanical efficiency, means less energy.
2. Consumption- Lower cost smaller motors- Lower drive cost.
3. Easy clean pump head which is ideal for In place cleaning, without disconnecting the pipe works.
4. Positive, uninterrupted displacement by specially designed Rotors create a steady pumping gently pumping action which dose of shear, agitate or aerate the product.
5. Pumping chambers without pocket or crevices to harbour bacteria or contaminants. No contact between moving parts and no internal bearing head.
6. Rotor shafts sealed by hygienic mechanical seals or by packed glands selected for the duty conditions.
7. Solid stainless steel ASI 304, ASI 316 Quality Pump head, rotors and shafts.
8. We provide duty designed pump as per customer requirement.
9. Unique Lobe pumps are specified for the upmost efficiency in fluid handling throughout the bakery, Brewing, Chemicals, Cosmetic, Confectionary, Dairy, Food, Pharmaceutical and allied industries.



PERFORMANCE

In different pressure range up to 100 PSI and flow up to 750 LPM

1. Low Pressure Standard Models.
2. Medium Pressure Teflon Bearing Models.
3. High Pressure Overhung Bearing Models.

IMPORTANT FACTORS TO BE CONSIDERD

1. Pump inlet connection should always be flooded to ensure maximum efficiency.
2. Mount pump as close as possible to supply vessel.
3. Protection is essential against line blockage or valve closure when using positive displacement Pumps by utilizing one of the following methods.
 - a) Pressure relief Valve built in to Pump Head.
 - b) Pressure relief Valve in Discharge Line.
 - c) Torque limiting device between Pump & drive.
 - d) Overload Trip on Drive
 - e) Where the possibility exists of solid foreign matter in product protection must be taken in the suction line by installing a filter or trap, when sensitive products.

Drive Units : Available mounted on steel base plate with suitable guard.

Constant Speed : Geared Motor.

Variable Speed : Enclosed Belt Drive. Mechanical Electrical.

Portable Units : Other designs to customers specific requirements. Our well - trained Technical staff are Capable of discussing individual pumping requirements and specifications. A design office Is available for draw up non-standard pumps for special purposed applications.

FULL RANGE OF UNIQUE LOBE PUMPS PERFORMANCE DATA

Series	Port Connection	Max. Head		Max RPM	Pump Max. Capacity	
		KG/ Cm ²	PSI		LPM	IGPM
UAL 100	" 1 "	7	100	960	100	22
UAL 150	" 1 ½ "	7	100	960	160	35
UAL 200	" 2 "	7	100	720	300	67
UAL 250	" 2 ½ "	6	87	720	450	100
UAL 300	" 3 "	7.6	87	600	480	110
UAL 400	" 4 "	5	72	600	750	168
UAL 600	" 6 "	3		400	1000	
UAL 800	" 8 "	3		400	1300	
UAL 1000	" 10 "	3		200	1500	
UAL 1200	" 12 "	3		200	2000	

MANUFACTURED BY UNIQUE PUMP SYSTEMS

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