



EKIN ENDÜSTRİYEL

Lobe Pumps



Our Main Focus

Heat Transfer Section

- Plate Heat Exchangers
- Brazed Heat Exchangers
- Flat Access Stations
- Shell and Tube Heat Exchangers

Pressure Vessel Section

- Boilers
- Accumulation Tanks
- Stainless Process Tanks
- Expansion Tanks
- Balance Tanks
- Air Separators
- Sediment Blockers

Separator Vessels Section

- Balance Tanks
- Sediment Blockers
- Air Separators
- Package Sediment and Air Separators
- Package Balance Sediment and Air Separators

Hygienic Process Section

- Pasteurizers and Sterilizers
- CIP Systems and Tubular Heat Exchangers
- Complete Stainless Process Heat Exchangers
- Hygienic Pumps
- Aseptic Storage Tanks
- Food Process Equipment and Facilities

Liquid Transfer Section

- Rotary Lobe Pumps
- Barrel Pumps
- Mono Pumps
- Domestic Pumps
- Air Diaphragm Pumps
- Twin Screw Hygiene Pumps
- Magnetic Coupling Centrifug Pumps
- Hygienic Centrifug Pumps
- Peristaltic Hose Pumps
- Dosage Pumps



Sustainable Innovation, Quality Standardization and Dynamism

Ekin Industrial has entered Turkey's sector of imported plate heat exchanger, with their customer focused vision and dynamic. Ekin has expanded into new and upcoming investments.

One of the main steps was gaining the identity of being a producer. Ekin Industrial has started the production of plate heat exchangers with the brand of 'MIT'. We grew in the philosophy of quality, through initially adapting to ISO Quality Management System procedures, and completed the CE security and quality certification period, and has matched foreign standards like GOST.

MIT plate heat exchangers have now become a solution to engineering problems in the world market and has grown through an expansion of franchises.

Engineering Approachments, Integrated Solutions

Ekin Industrial, with investment in MIT plate heat exchangers, their identity of producer and engineer vision is aiming to solve problems in the sector. To meet these views, Ekin Industrial has expanded into the production of components, sales and after sales service by employing expert engineers.

The factors that guided Ekin Industrial to success are their exceptional customer service to the needs and wants of consumers, modern facilities, and becoming partners to projects that involve high-end technology.

Ekin Industrial is an expert company which has wide product range which includes plate heat exchangers, accumulation tanks, water heater tanks, installation materials and its service group and submit competitive advantages to mechanical installation sector in Turkey and all around the World.



MIT LOBE PUMPS

MIT Lobe pumps are self priming valveless and positive displacement pumps. Each MIT pump is a special solution. MIT pumps are designed to provide the needs of the application completely.

MIT Lobe Pumps Working Principle

Pump inlet as the rotor rotates the volume increases on the line. Moved to pump outlet the fluid between the rotor and the inner wall of the pump. These pumps basically rotating within body without contact each other three or two rotor consists of lobe. Rotation of the pair of rotors defined by the direction of rotation of the drive unit that the suction side of the pump creates a vacuum. This vacuum draws fluid into the pump housing. The rotation of the rotor as a result of the reduction of the output volume is transferred to the output line.



Characteristics of MIT Lobe Pumps

- Low, medium and high viscosity fluids can be used seamlessly transfers with positive displacement specification
- Easy assembly and maintenance
- Viscous, abrasive or surface precision fluids easily transmitting
- 4 different rotor options are available. Those are 2 lobe rotor, 3 lobe rotor, butterfly rotor and single butterfly rotor.
- Two lobe options for products containing solid particles.
- Double (flush) cartridge mechanical seal, mechanical seal, carbide seal (for applications such as jams and glucose)
- Input / output as standard sideways to the pump can easily convert from the top inlet / bottom outlet.
- Ability to return in both directions (Clockwise and counter-clockwise)
- The gearbox is made of cast iron epoxy paint coated with a protective coating
- All shaft, rotor and pump body are made of AISI 316 stainless steel.
- Surfaces contact with fluid material quality because of AISI 316 stainless steel are used in applications hygiene requires.
- Threaded, flanged and bushed suitable food connection properties is available.



Advantages of the MIT LOBE PUMPS

- Mid-size solids can be transferred.
- There is no friction between surface materials during liquid transfer.
- The pump can be cleaned while connected to the service line.
- It has positive absorption ability.
- Quiet working
- Heating jacket with optional pump
- preventing freezing of the fluid passing through the material provides an easy flow.
- Without impairing product characterized performs the transfer to be transferred seamlessly
- Optional removable wheels on the chassis, making the panel application provides ease in different areas, all that needs to be done is the clipboard connection of electric line of on the chassis.
- Taking energy from the vehicle without taking up space on them for land vehicles, especially the energy of food tankers discharge and filling operations it provides convenience.
- The transfer of high-viscosity products is accomplished without problem.



Lobe Pump Selection-Related Information

Lobe pump selections made, the characteristics of the product to be transferred, the line to be transferred properties are desired technical details. Requested these values detailed shows below table.

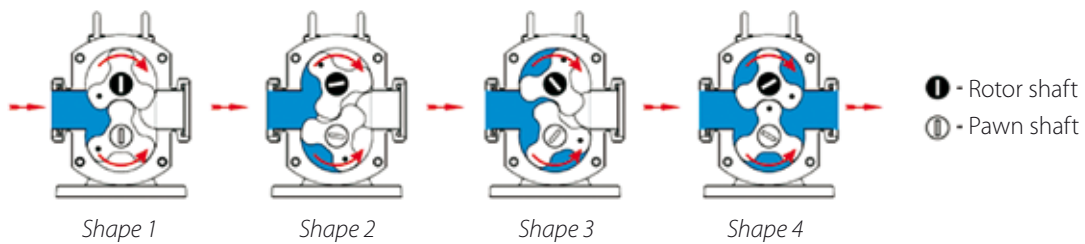
REQUIRED DETAILS	EXAMPLE INFORMATION
Type of Fluid	Chocolate, honey, ayran etc.
Flow of Fluids	m ³ /h, L/h, ton/h v.b.
Fluid Pressure	Bar, mSS v.b.
Fluids Viscosity	cP, cSt v.b.
Fluid Temperature	°C
Density of Fluid	g/cm ³
Designed to prevent freezing in the pump of the product "Heating jacket" on the pump according to demand application. It is maintained.	

Model	Flow (m³/h)	Pressure (Bar)	Motor Power (kW)	Recommended (min-1)	Inlet-Outlet Connection Dimensions
MLP-20	1-2	20	3,0	100-450	1"-DN25 DIN, SMS, DF, RJT
	1-3	15	2,2		
	1-3	12	1,5		
	1-3	9	1,1		
	1-3	5	0,75		
MLP-23	2-5	20	4,0	100-450	1,5"-DN40 DIN, SMS, DF, RJT
	2-5	15	3,0		
	2-5	12	2,2		
	2-5	9	1,5		
	2-5	5	1,1		
MLP-25	3-7	15	5,5	100-450	2"-DN50 DIN, SMS, DF, RJT
	3-7	10	4,0		
	3-7	7	3,0		
	3-7	4	2,2		
MLP-30	5-10	20	7,5	100-400	2"-DN50 DIN, SMS, DF, RJT
	5-10	12	5,5		
	5-10	8	4,0		
	5-10	4	3,0		
MLP-36	6,5-13	18	7,5	100-400	2,5"-DN50 DIN, SMS, DF, RJT
	6,5-13	10	5,5		
	6,5-13	7	4,0		
	6,5-13	3	3,0		
MLP-55	7-14	12	7,5	100-400	2,5"-DN65 DIN, SMS, DF, RJT
	7-14	9	5,5		
	7-14	6	4,0		
	7-14	3	3,0		
MLP-60	8-16	10	7,5	100-400	3"-DN80 DIN, SMS, DF, RJT
	8-16	9	5,5		
	8-16	5	4,0		
	8-16	3	3,0		
MLP-70	15-31	18	15	100-360	3"-DN80 DIN, SMS, DF, RJT
	15-31	12	11		
	15-31	9	7,5		
	15-31	5	5,5		
MLP-80	20-40	15	15	100-360	3"-DN80 DIN, SMS, DF, RJT
	20-40	10	11		
	20-40	7	7,5		
	20-40	4	5,5		
MLP-100	25-50	10	11	100-360	4"-DN100 DIN, SMS, DF, RJT
	25-50	6	7,5		
	25-50	3	5,5		
MLP-125	31-62	10	15	100-360	5"-DN125 DIN, SMS, DF, RJT
	31-62	7	11		
	31-62	4	7,5		

Working Principle related information

Volume increases as the rotor rotates in the pump inlet line and pump the fluid into the drifts. Between the rotors and the inner wall of the pump fluid is moved output the pump.

lobe pumps are reliable performance for demanding applications, trouble-free operation and is designed to provide superior energy efficiency. This hygienic pumps, less damage to the product and meets high standards in low pressure.



Maintenance and Repair

maintenance of the lobe pump, without the workshop due to compact design, can be made with ease and in a very short time in the field.

Separation of the electrical connection on the pump motor is required before the pump maintenance. After this process is done, pump maintenance and repair can be done.

- Maintenance and changing of Lobes, the coupling between the pump and engine and the pump with line connections can be made with the bolts without removing the front cover removed.
- In this section, The lobes that are easily removed, cleaning

and maintenance can be performed.

- The front body to change the seal needs to be removed. Body also revealing operation can be performed in a simple way.
- The threaded portion of the oil reservoir drain oil at periodic intervals is replaced by the plug opening. In this way, the threaded life will be monitored for increase
- The necessary cleaning is done after they are removed all the parts way back again onto the body and the pump assembled is activated. The direction of rotation of the motor when commissioning the pump according to electrical connections must be made.

Areas of Usage

In the food industry;

- Yoghurt, Cheese, Butter, Cottage cheese
- Ice cream, Cream
- Caramel
- Molasses
- Jam
- Honey
- Olive oil
- Tomato Puree
- Ketchup, Mayonnaise
- Chocolate



Beverage industry;

- Milk
- Ayran
- Fruit juices
- Beer, wine
- Vinegar



In the cosmetic and pharmaceutical industry;

- Hair gel
- Soap
- Detergent
- Shampoo
- Tooth paste
- Vaseline
- Hand cream



In the paper industry;

- Saban Solutions
- Pulp
- Colourant
- Adhesives
- Lime Mixtures



50 Reasons for Choosing MIT

WHEN YOU BUY A MIT PUMP;

You will have a well-known brand all around the world.

WHEN YOU BUY A MIT PUMP;

You will have longest and most comprehensive warranty.

WHEN YOU BUY A MIT PUMP;

You will have fastest delivery time.

WHEN YOU BUY A MIT PUMP;

You will have the best quality.

WHEN YOU BUY A MIT PUMP;

You will have cheapest price.

WHEN YOU BUY A MIT PUMP;

You will work with main manufacturer.

WHEN YOU BUY A MIT PUMP;

You will have fastest spare part delivery time.

WHEN YOU BUY A MIT PUMP;

You will have fastest and largest service network.

WHEN YOU BUY A MIT PUMP;

You will have a good which has ISO, CE, GOST, TSE certificates.

OUR MIT PUMPS;

Designed for easy demontage and service.

AT OUR MIT PUMPS;

Dosage systems can be installed as per your request.

AT OUR MIT PUMPS;

Brand certificates are granted with CE and ISO Labels.

AT OUR MIT PUMPS;

We use stainless steel for hygienic materials.

AT OUR MIT PUMPS;

All our products are tested with precaution.

AT OUR MIT PUMPS;

We have montage foots to back up the pumps.

AT OUR MIT PUMPS;

Aggressive and corrosive resistant materials are used.

AT OUR MIT PUMPS;

Best quality materials are used for high resistance.

AT OUR MIT PUMPS;

Different gasket options are available.

AT OUR MIT PUMPS;

We make direct contact with manufacturer.

AT OUR MIT PUMPS;

We guarantee as producer.

AT OUR MIT PUMPS;

They are easily montaged.

AT OUR MIT PUMPS;

We offer different materials for different applications.

AT OUR MIT PUMPS;

We offer special pumps for applications.

AT OUR MIT PUMPS;

We offer different type of connection systems based on your applications.

AT OUR MIT PUMPS;

We offer different models of pumps based on your applications.

AT OUR MIT PUMPS;

Our experienced, friendly and solution based service personals are available 7/24.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You will make contact with experienced personals on pumps.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You can contact global network based on sales in Turkey.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

We can supply side materials besides pumps.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

Sales are done by mechanical engineers precisely and traced very carefully.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You will have opportunity to work with a team who will be available all days and all hours.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

We offer quick solutions.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

Our first priority is customer pleasure.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You can get information about all your system not just pumps.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

Our exploration service will serve you the best solution.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You won't need to follow useless procedures.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You can get an exchanger education at you company or ours.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You can get large information and documentation support.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You can get consult us for your all problems.

Professional System Solution Center

You can take assistance about problems you have from MIT Plate Heat Exchanger Solution Center. Our solution center having qualified mechanical engineers will be happy to help you. These are some of the subjects that we can happily help you;

Steam installations

- Utility hot water installations
- Central and local heating systems
- Milk, yogurt, airan heating, cooling and pasteurization
- Industrial heating and cooling systems
- Oil cooling installations
- Energy recycle systems
- Pool heating systems



+90 444 35 46

In Plate Heat Exchanger systems, it is vital to setup the system correctly to get the desired capacity. That is why, when you set-up your system you can take needed assistance from first hand just using a phone (+90 444 35 46) for 7 days and 24 hours.

To make your system and heat exchangers work correct and full performance, we want to share the information we've had through the long years. It really is a big happiness for us.

We want to emphasize that again and again. Ekin Endüstriyel will continue being the best solution partner in every place where heat exchanger is used.



You are in exact point where quality,
experience and technology meet

Our Quality Certificates:





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