



EKİN ENDÜSTRİYEL

MIT - GemmeCotti  
Magnetic Coupling Centrifug  
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 - GemmeCotti MAGNETIC COUPLING CENTRIFUG PUMPS

MIT - GemmeCotti magnetically coupled pumps are made of thermoplastic material. (Polypropylene and PVDF). Transfer many different fluids, particularly dangerous and aggressive chemicals, such as are used in circulation needs.

Due to the without seal used in any environment where there is no a risk of problem the leaking and efflux. therefore, it is the best alternative in many applications the pump seals. This design reduces the maintenance costs, guaranteeing maximum efficiency and safety.

Magnetic coupling, what standards are available high torc NeFeBo

### General Characteristics of the pump

**Body and fan materials:** PP / PVDF

**Surfaces in contact with the liquid:**

- **O-Ring:** EPDM (PP standard for pumps)  
Viton (PVDF standard for pumps)
- **Shaft:** %99,7 Al<sub>2</sub>O<sub>3</sub>
- **Couches:** PTFEC

**Maximum capacity:** 45 m<sup>3</sup>/h

**Maximum discharge height:** 33 mSS

**Maximum fluid viscosity:** 200 cSt

**Maximum fluid temperature:**

- Maximum 70°C for PP models, max 90°C for PVDF models.

**Motor power:** According to model between 0,12 kw and 0,15 kw changes.

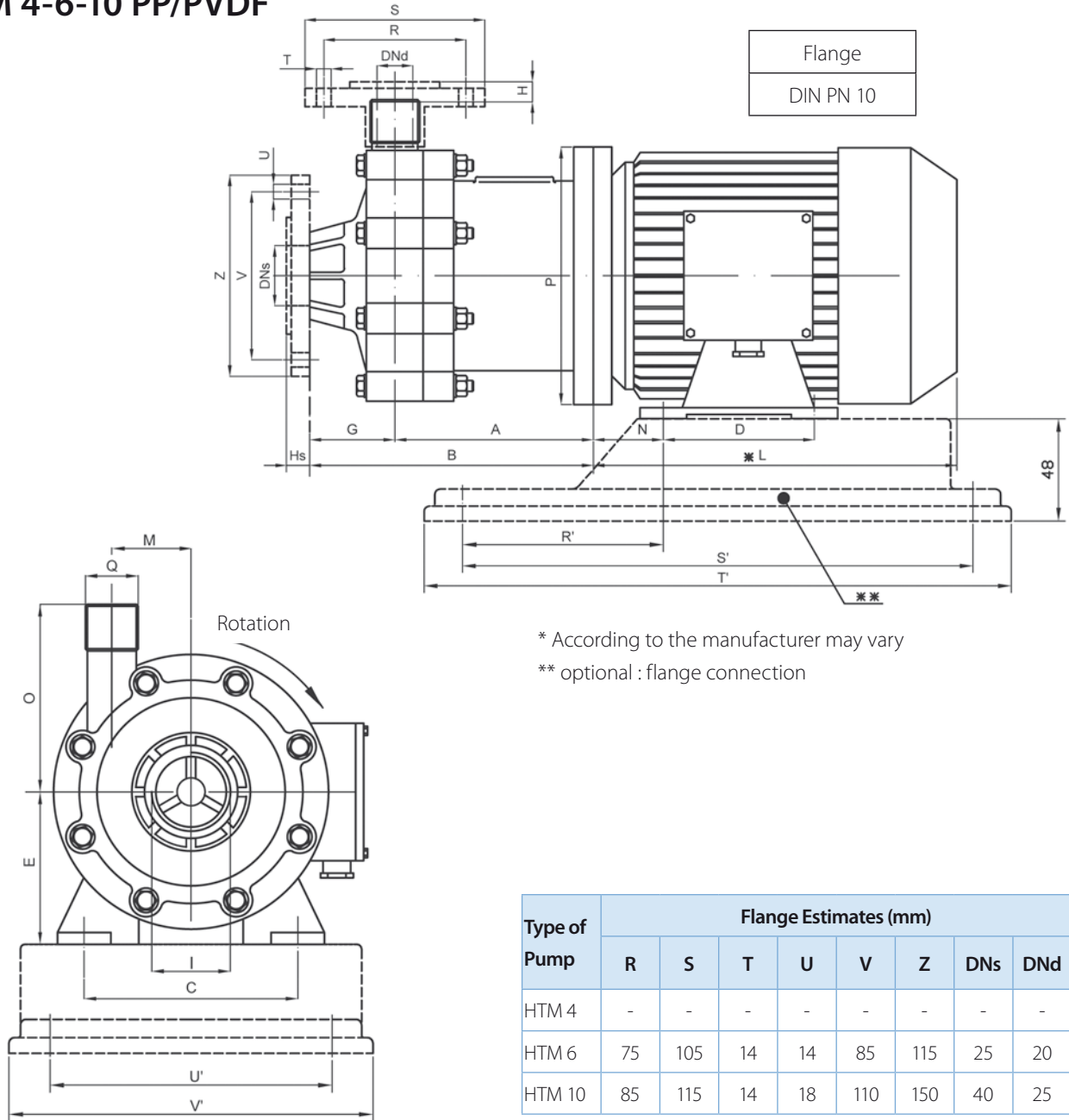
**Connection diameter:** According to Model between 1" and 3" changes.

**Pressure rating:** 20°C'de NP 4



## Pump Dimensions

### HTM 4-6-10 PP/PVDF

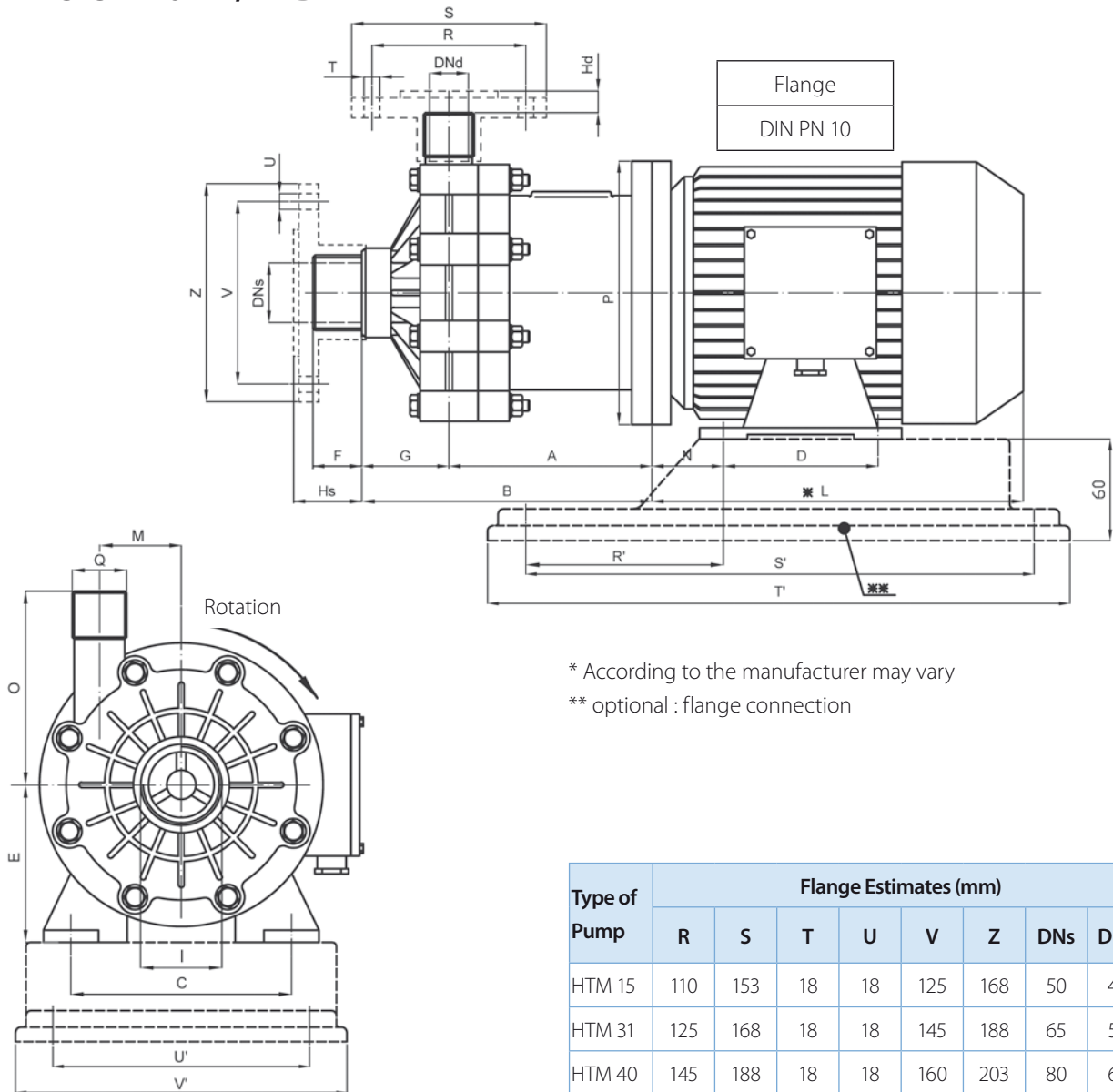


Type of Pump	Flange Estimates (mm)							
	R	S	T	U	V	Z	DNs	DNd
HTM 4	-	-	-	-	-	-	-	-
HTM 6	75	105	14	14	85	115	25	20
HTM 10	85	115	14	18	110	150	40	25

Type of Pump	Engine Flange B3-B5	POT. kW	Estimates (mm)														
			A	B	C	D	E	Hs	G	H	I	*L	M	N	O	P	Q
HTM 4	G 56 B	0.12	76	115	90	71	56	-	39	-	1" Female	176	34	36	80	120	½" Male
HTM 6	G 63 B	0.25	84	143	100	80	63	18	59	6	1" Female	191	45	40	98	140	¾" Male
HTM 10	G 71 2B	0.55	110	180	112	90	71	20	70	9	1½" Female	215	45	45	100	160	1" Male

## Pump Dimensions

### HTM 15-31-40 PP/PVDF

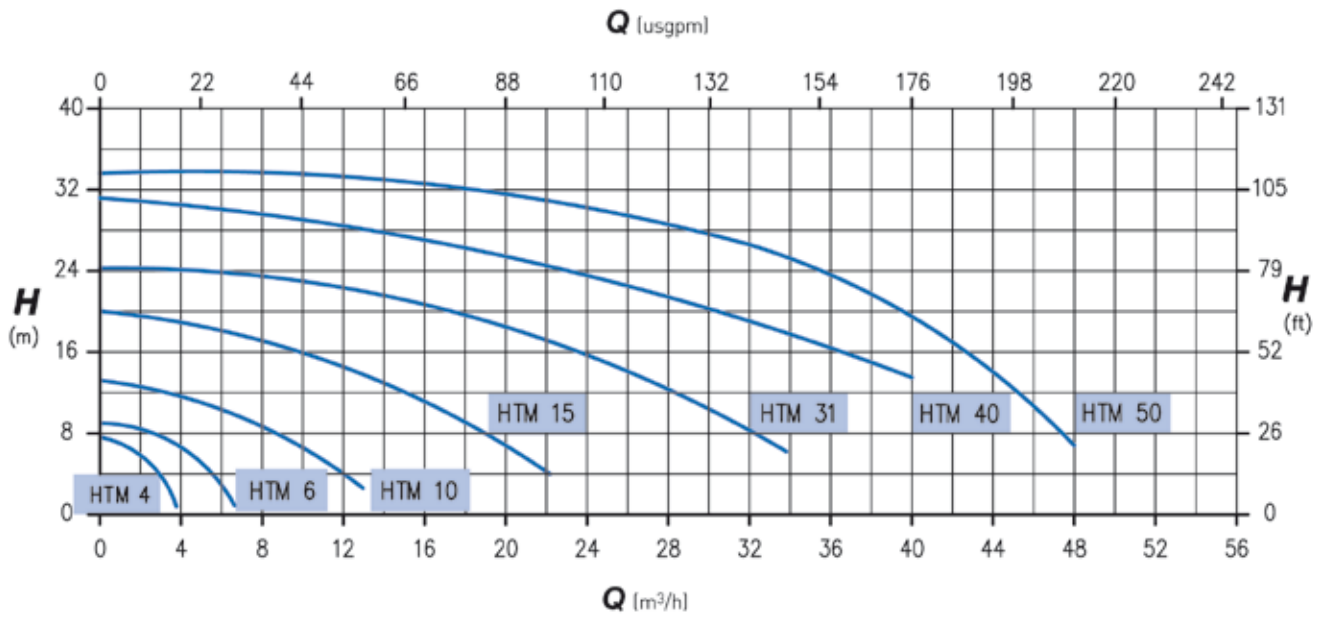


Type of Pump	Flange Estimates (mm)							
	R	S	T	U	V	Z	DN <sub>s</sub>	DN <sub>d</sub>
HTM 15	110	153	18	18	125	168	50	40
HTM 31	125	168	18	18	145	188	65	50
HTM 40	145	188	18	18	160	203	80	65

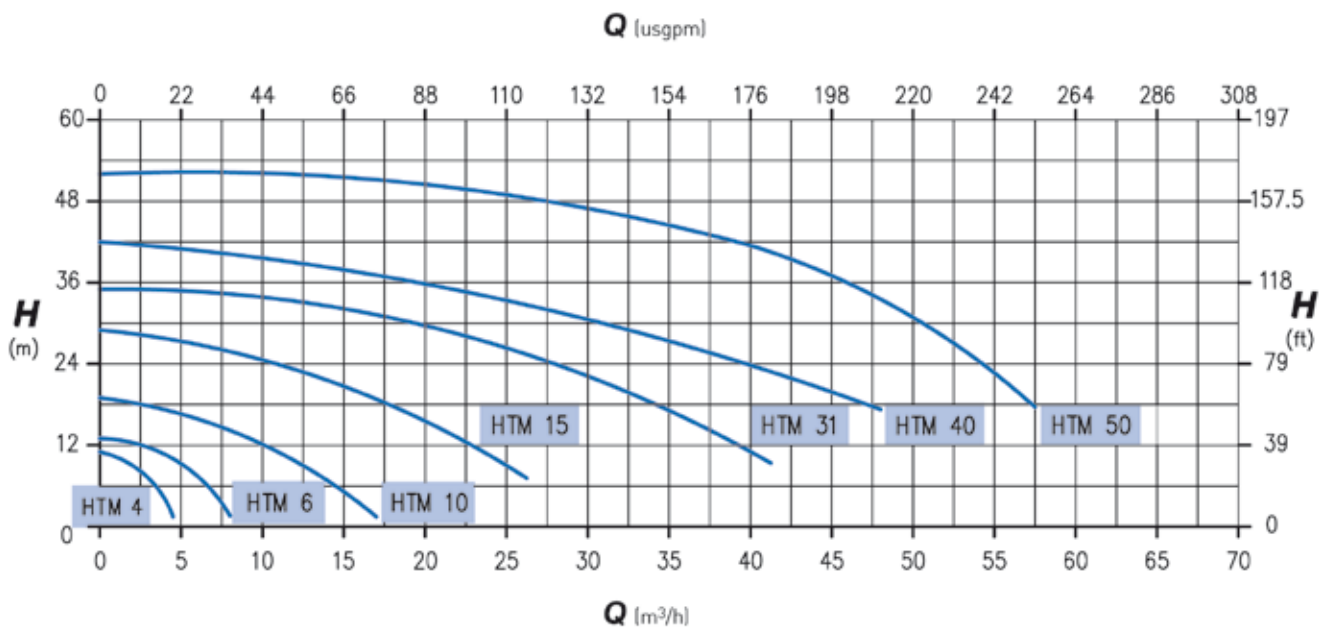
Type of Pump	Engine Flange B3-B5	POT. kW	Estimates (mm)															
			A	B	C	D	E	F	G	H <sub>s</sub>	H <sub>d</sub>	I	*L	M	N	O	P	Q
HTM 15	G 80 B	1,1	150	230	125	100	80	28	52	42	13	2" Male	232	66	50	135	200	1½" Male
HTM 15	G 90 S	1,5	160	240	140	100	90	28	52	42	13	2" Male	256	66	56	135	200	1½" Male
HTM 31	G 90 L	2,2	184	245	140	125	90	30	61	44	13	2½" Male	280	66	56	140	200	2" Male
HTM 31	G 100 L	3	203	264	160	140	100	30	61	44	13	2½" Male	315	66	63	140	250	2" Male
HTM 40	G 100 L	3	228	280	160	140	100	40	52	50	10	3" Male	315	82,5	63	170	250	2½" Male
HTM 40	G 112 M	4	228	280	190	140	112	40	50	50	10	3" Male	325	82,5	70	170	250	2½" Male

## Pump Curves

### 50 Hz - RPM 2900



### 60 Hz - RPM 3500



## Our Other Product



### HTM PP/PVDF

**Magnetically Coupled Centrifugal Pumps**

**Q max:** 45 m<sup>3</sup>/h

**H max:** 33 mSS

**Materials:** PP/PVDF



### HTM SS

**Magnetically Coupled Centrifugal Pumps**

**Q max:** 32 m<sup>3</sup>/h

**H max:** 24 mSS

**Materials:** AISI 316



### PVA

**Cantilevered Vertical Centrifugal Pumps**

**Q max:** 24 m<sup>3</sup>/h

**H max:** 26 mSS

**Materials:** AISI 316 / Titanium



### HTT

**Magnetically Coupled Circulation Turbine Pumps**

**Q max:** 9 m<sup>3</sup>/h

**H max:** 50 mSS

**Materials:** PP/PVDF



### HTA

**Magnetically Coupled Circulation Turbine Pumps**

**Q max:** 7 m<sup>3</sup>/h - **H max:** 80 mSS

**Materials:** AISI 316 / Hastelloy-C  
Titanium



### HV

**Monoblock Vertical Centrifugal Pumps**

**Q max:** 40 m<sup>3</sup>/h

**H max:** 22 mSS

**Materials:** PP/PVDF



### HPP-HPF

**Magnetically Coupled Palletised Pumps**

**Q max:** 1000 l/h

**H max:** 5 bar

**Materials:** PP/PVDF



### HTP

**Rotary Magnetically Coupled Palletised Pumps  
(Self-priming)**

**Q max:** 2100 l/h - **H max:** 13 bar

**Materials:** AISI 316 L / Hastelloy-C  
Titanium



### HVL

**Vertical Centrifugal Pumps - Open Fan**

**Q max:** 57 m<sup>3</sup>/h

**H max:** 39 mSS

**Materials:** PP/PVDF



### HCO

**Mechanical Seals Centrifugal Pumps**

**Q max:** 58 m<sup>3</sup>/h

**H max:** 38 mSS

**Materials:** PP/PVDF



### VPM / VPS / VPL

**Liquid Ring Vacuum Pumps**

**Q max:** 450 m<sup>3</sup>/h - **H max:** 33 mSS

**Materials:** AISI 316/316 L SS / Alloy  
Hastelloy-C / Titanium



## 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:





**Ekin Endüstriyel Isıtma-Soğutma San. Tic. Ltd. Şti.**

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