



EKİN ENDÜSTRİYEL

DRUM PUMP PRODUCT CATALOGUE

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EKİN ENDÜSTRİYEL
Isıtma-Soğutma San. Tic. Ltd. Şti.





Sustainable Innovation, Quality Standardization and Dynamism

Ekin has entered Turkey's sector of the 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 has started the production of plate heat exchangers with the brand of "MIT". We have grown in the philosophy of quality, through initially adapting to ISO Quality Management.

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

Engineering Approaches, Integrated Solutions

Ekin has expanded into the production of components, sales, and after-sales service by employing expert engineers. The factors that guided Ekin 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 is an expert company which has a wide product range which includes plate heat exchangers, accumulation tanks, water heater tanks, installation, and its service group and submit competitive advantages to mechanical installation sector in Turkey and all around the world.



APPLICATION FIELDS



HEAT TRANSFER PRODUCTS

- Gasketed Plate Heat Exchangers • Brazed Heat Exchangers • Shell&Tube Heat Exchangers • Air Fan Oil Cooler • Economizers • Coils and Radiators



PRESSURE VESSELS

- Water Heater Tanks • Water Storage Tanks • Buffer Tanks • Expansion Tanks • Stainless Steel Process Tanks • Balance Tanks / Dirt Separators / Air Separators • Pressured Air Tanks • Neutralization Tanks • Air Tubes • Steel IBC Tanks with ADR



COMPLETE SYSTEMS UNITS

- Heat Stations • Steam Package Systems • Special Designed Systems • Dosing Systems • Substations • Thermoregulators



FOOD GRADE SYSTEMS

- Pasteurizers with plate heat exchangers • Hygienic Pasteurizers with Shell & Tube Heat Exchangers • Cheese and whey Systems • UHT – Sterilization Systems • CIP Systems • Hygienic Storage and Process Tanks • Homogenizers • Standartization Systems • Evaporators • Turn-key Projects



FLUID TRANSFER PRODUCTS

- Lobe Pumps • Hygienic Centrifuge Pumps • Turbo / Roots / Centrifuge Blowers • Drum Pumps • Acid Pumps • Dosing Pumps • Monopumps • Air operated Double Diaphragm Pumps (AODD)



VALVES

- Thermoplastic Valves • Plastomatic Valves



ENERGY SYSTEMS

- Solar Collectors • Water Heater Tanks for Solar

Content

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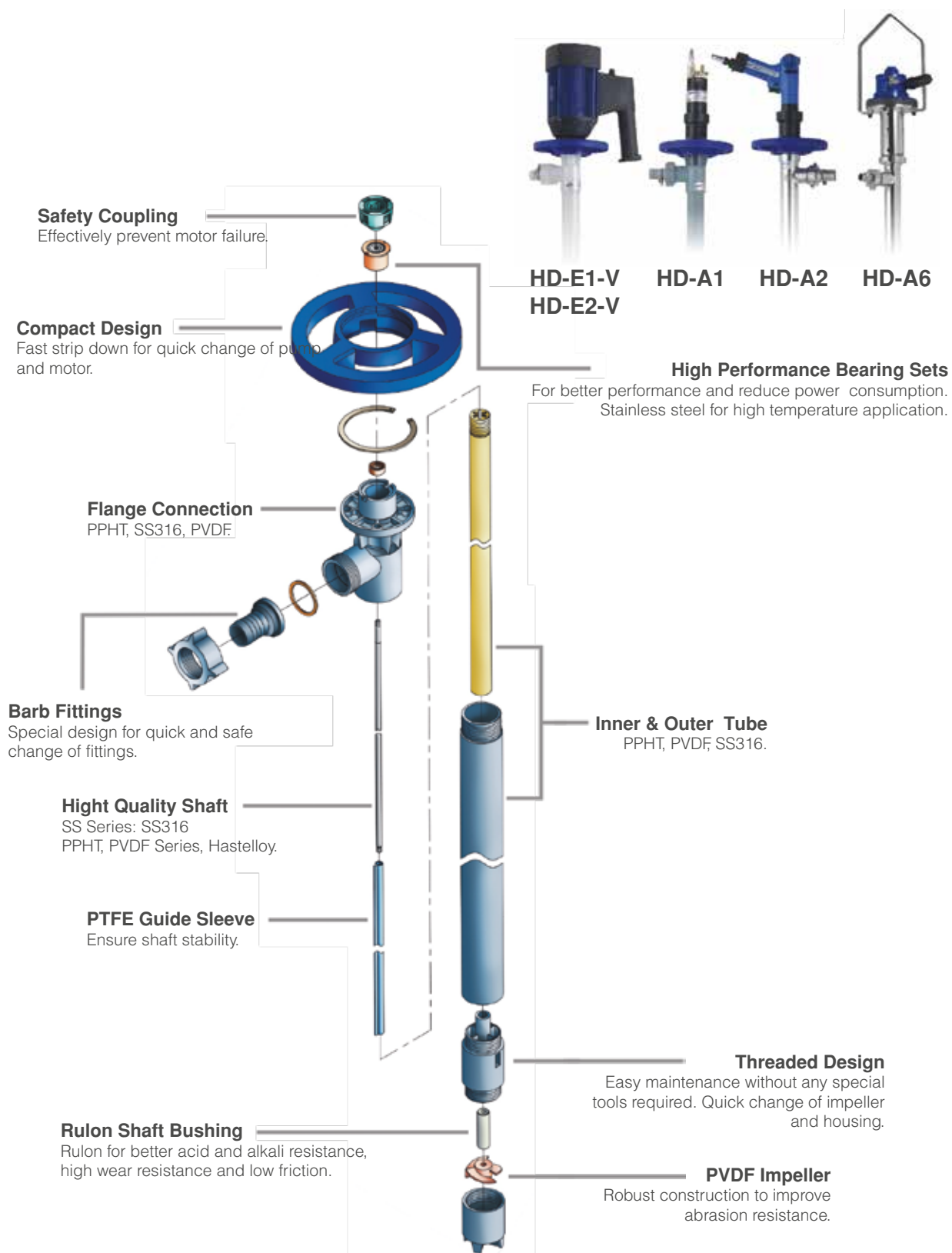
Dino Drum Pumps



ASSEMBLY DETAILS



All kinds of impeller models adopted sealless design, moisture dry-running is available resistance more than 30 minutes operation.



PUMP SERIES



Special design for easy repair and quick change of spare parts without any special tool. PTFE guide sleeve and PVDF impeller with abrasion resistant and to make shaft running more stable. Shaft bushing is made of Rulon for best chemical resistance. PPHT PVDF SUS316 tube available with drive shaft made of SUS316 or Hastelloy . It's the best choice for transferring chemical fluid.

INDUSTRY SERVED

Electronic Optoelectronics Semi-conductor Waste water Chemical industry Petrochemical Laboratory Food industry Cosmetic Biochemistry Paper making industry Painting industry Pharmaceutical Ship industry automotive and other industries.

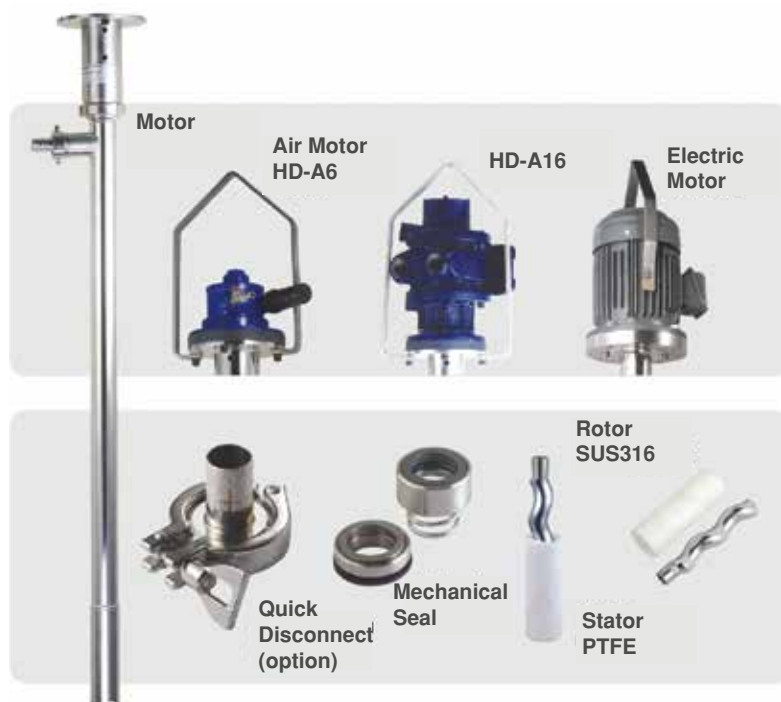
APPLICATION		
Cotainer Type	Model	Lenght
5GAL Bottles	HD-Material 700	700mm (27")
55GAL Drums (200L)	HD-Material 1000	1000mm (39")
Barrels & Tanks	HD-Material 1200	1200mm (47")
IBC'S	HD-Material 1500	1500mm (60")
Large Stronge Vessels	HD-Material 1800	1800mm (72")

COMMON APPLICATIONS		
Material	Max Temp.	Common Applications
PPHT (Polypropylene)	80 °C / 175 °F	Acetic Acid, Sulfuric Acid Hydrochloric - 20%, Nitric Acid - 20%, Alkalies, Ferric Chloride
PVDF	100 °C / 212 °F	Concentrated Nitric Acid , Sulfuric Acid-66 Baume, Sodium Hypochlorite, Propionic, Acid,Stearic Acid,Hydrofluoric Acid
SS	100 °C / 212 °F	Alcohol, Gasoline, Aqueous Ammonia, Isopropyl Ether, Solvents, Petroleum Products



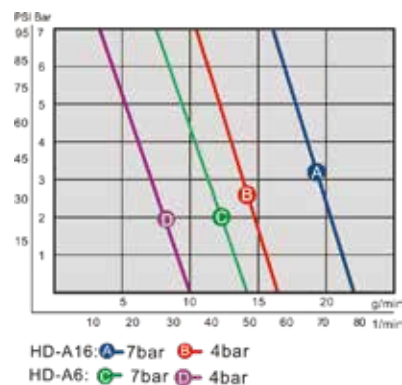
For safety, it's recommended to connect ground wire when pumping flammable or solvent liquids.

HD HIGH VISCOSITY SCREW PUMP



Applications

From high to low viscosity liquid aggressive or neutral liquid polymer lubricator ink shampoo PU & PVC resin and so on.



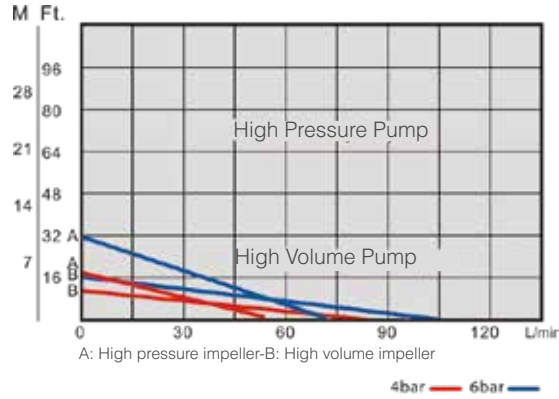
Test Conditions

Viscosity: 5,000cps
Performance curves may vary 10% based on applications.

HD-HV HIGH VISCOSITY SERIES			
Model	HD-SS700-HV	Size	700mm Size (27") 5 GAL. Bottles
	HD-SS1000-HV		1000mm (39") 55 GAL. (200L) Drum
Max. Temp.: 120 °C / 248 °F			
Outlet Dimension: 27.5 mm / 33 mm			
Pump: SUS316			
Rotor: SUS316			
Stator: PTFE			
Max. Viscosity: 100,000cps			
Mec. Seal: SIC			
O-ring: PTFE			
Max. Flow Rate: 90 L/min (tested with 2000 cps epoxy and HD-A6 air Motor)			
Max. Pressure: 10 bar			
Weight: 12 kg			

AIR MOTOR & HD-E MOTOR

AIR MOTOR & VARIABLE SPEED CONTROL MOTOR



Test Conditions

- A: With HD-SS1000-HP tube B: HD-SS1000 tube.
- Pump tested in 25 °C water, 500L drum, with 1" outlet.
- Performance curves may vary +-10% based on applications.
- Max. head is obtained by closing outlet.

Please install the air filter for reduce moisture from the compressed air supply.

HD-A1 OIL FREE AIR MOTOR

Max. Inlet Air Pressure: 87psi(6bar)

Air Consumption: 0.55Nm /min @6 kg/cm²

Joint (air): 1/4" NPT

Accessories: Muffler Air Regulator

Casing: Aluminum (Epoxy)

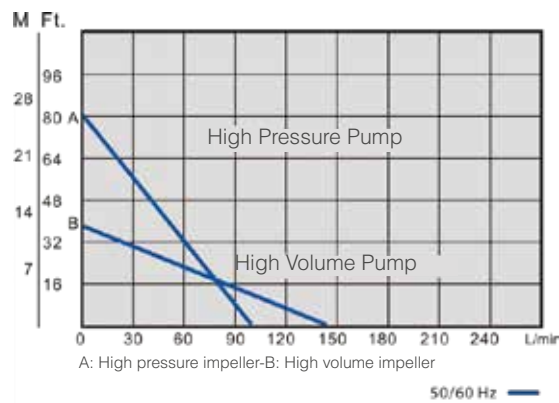
Max. Viscosity: 700cps

RPM: 7,500 (3bar Air Pressure)

RPM: 18,000 (6bar Air Pressure)

Horsepower: 420w (0.56HP)

Weight: 1 kg



Test Conditions

- A: Hd-SS1000 tube ile B: HD-S1000 tube.
- Pump tested in 25 °C water, 500L drum, with 1" outlet.
- Performance curves may vary +-10% based on applications.
- Max. head isobtained by closing outlet.

NOT: Suitable for pumping flammable or combustibile liquid.

VARIABLE SPEED CONTROL MOTOR

HD-E1-V 110 V / 1 / 50-60Hz / 485w

HD-E2-V 220 V / 1 / 50-60Hz / 485w

Max. Viscosity: 1,000cps

Max. RPM: 20,000rpm (NO-LOAD)

Overheated Protector

Safety Handling Switch

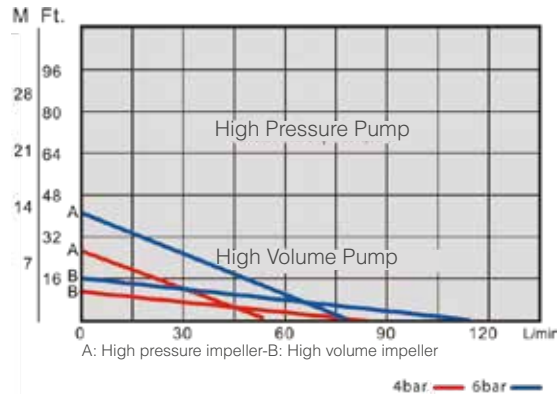
Casing use fireproof material

5m SJT Electronic Wire & Plug Included

Protection: IP44

Weight: 3 kg

AIR MOTOR & HD-E MOTOR



Test Conditions

- A: With HD-SS1000-HP tube B: HD SS1000 tube.
- Pump tested in 25 °C water, 500L drum, with 1" outlet.
- Performance curves may vary $\pm 10\%$ based on applications.
- Max. head is obtained by closing outlet.

Please install the air filter for reduce moisture from the compressed air supply.

HD-A2 OIL FREE AIR MOTOR

Max. Inlet Air Pressure: 87psi (6 bar)

Air Consumption: 0.55Nm /min@6kg/cm²

Joint (air): 1/4" NPT

Casing: Aluminum (Epoxy)

Max. Viscosity: 1,200cps

RPM: 8,000 (3bar Air Pressure)

RPM: 18,000 (6bar Air Pressure)

Horsepower: 560w (0.75HP)

Weight: 1.2 kg



OPTIONS

NOZZLE

- Control the flow rate easily.
- Keep the operating environment clean.
- Design to transfer to small containers safely.
- Body Polypropylene
- O-Ring Viton

GROUND WIRE

- It's important to connect ground wire when pumping flammable or explosive liquids.
- Each 150cm length 16ga electronic wire set comes with clip for connects.

ADAPTOR

- Barrel Adaptor
- Material PP SS 43mm(1.7 inch) thread Air Leaking Adaptor
- Material PP SS Viton barrier to prevent corrosive air from leaking.

WALL BRACKET

- SUS316

TRASFER HOSE

- PFA Hose 1000mm 1500mm 2000mm is available upon request.
- Braided Hose.



STRAINER

- Recommend when pumping dirty chemical liquids
- Material : PPPVDF& SS316
- PP Mesh : 2x11mm



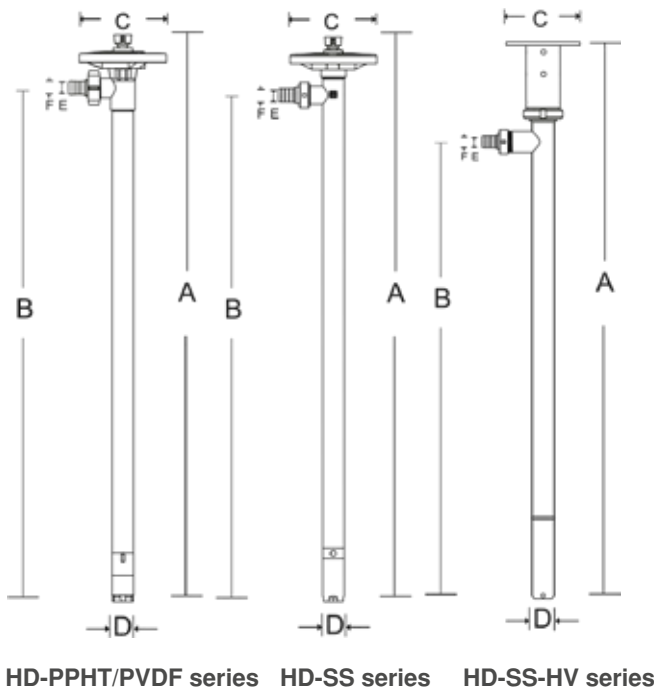
DIGITAL FLOW METER

- Casing PP
- Rotor ECTFE
- Sensor CPVC
- Inlet/Outlet 1"PT
- LCD display



HANGER

- SUS304
- For high viscosity series.



Material	Length	A	B	C	D	E	F
PPHT	700	810	700	170	41	19	27
	1000	1100	1000	170	41	19	27
	1200	1290	1200	170	41	19	27
	1500	1590	1500	170	41	19	27
	1800	1890	1800	170	41	19	27
PVDF	700	810	700	170	41	19	26
	1000	1100	1000	170	41	19	26
	1200	1300	1200	170	41	19	26
	1500	1600	1500	170	41	19	26
	1800	1900	1800	170	41	19	26
SS	700	810	700	170	42	20	27
	1000	1100	1000	170	42	20	27
	1200	1300	1200	170	42	20	27
	1500	1600	1500	170	42	20	27
	1800	1900	1800	170	42	20	27
SS-HV	1000	1300	1025	166	56	28	33

*(Unit: millimeter) Special length is available upon request.



Ekin is aware that the progress in its sector is possible through continuous development and learning.

Ekin Academy, established with this awareness, aims to provide high-quality and sustainable development with its modern education methods, to provide successful employees and to provide value to the society through social responsibility projects.

Training and development programs that will make a direct contribution to the results of our employees' work processes and which will make a difference in their personal development are prepared by Ekin Academy.

For our business partners and customers, our training modules prepared by our expert staff provide training support for pre-sales and post-sales issues such as commissioning, operation, maintenance and repair of our products.

In cooperation with universities within the scope of corporate social responsibility projects, we are experiencing the happiness of adding value to the society by allowing the engineer candidate, who aims to take place in the fields where Ekin is active, to meet with the sector and to experience the theoretical knowledge acquired in the fields of application.

In-Company Trainings

Ekin Academy conducts technical, leadership, strategy development, sales and training and development programs for different tasks in the fields of heat transfer, pressure vessels, package systems, food systems and liquid transfer.



Out-of-Company Trainings

We are realizing conferences and training activities to our business partners, professional groups and institutions where we carry out social responsibility projects in various locations of Turkey.



SALES TEAM

At Ekin, we produce a proactive solution by our engineering staff who are specialized in their field. Our team, which works with the aim of unconditional customer satisfaction, works selflessly in order to gain customer loyalty by raising the bar of success in products, services and processes.

We are happy to share our accumulated knowledge with our valued customers. Ekin will continue to be the best solution partner for you in all applications with all kinds of heating and cooling applications.



Customer Satisfaction

Customer rights are protected in all circumstances.



Privacy Policy

Aware of the importance of protecting personal information, personal information is not shared with third parties.



Information Security

The requirements of ISO 27001 information security management system are fulfilled at Ekin.



Ethical Values

In all our business relations, our principle of mutual benefit by adhering to laws and ethics is our principle.

CERTIFICATES

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PROFESSIONAL SYSTEM SOLUTION CENTER

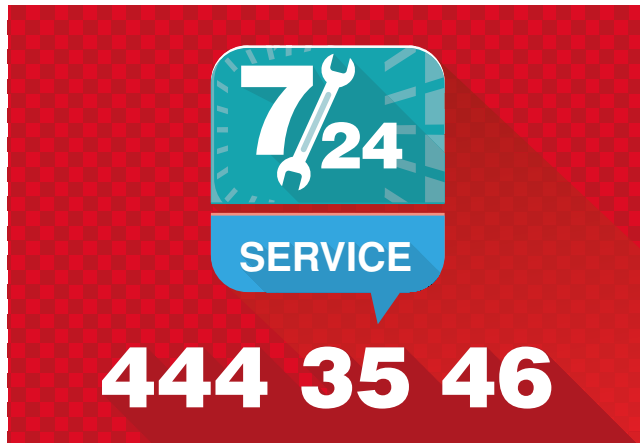
From our MIT professional system solution center, you can get help with problems with your pumps, heat exchangers and your system. Our solution center consisting of our expert engineers will be happy to help you.

- Domestic hot water installations.
- Central and district heating systems.
- Milk, yogurt, buttermilk heating, cooling and pasteurization systems.
- Industrial cooling and heating systems.
- Oil cooling systems.
- Energy recovery systems.
- Pool heating systems.
- Steam installations.



It is vital for your system to be designed and implemented correctly in the first installation in order to be able to operate at the desired capacity, smoothness and long life. For this reason, you can get first-hand

the technical support you need during the installation phase of your system and the problems that may arise in the business; You can reach us **24 hours (216) 444 35 46 in 7 days.**



We would like to reiterate that we will be happy to share our knowledge accumulated over many years with our valued customers in order for your system to work correctly and performance.

Ekin will continue to be the best solution partner for you in all applications with all kinds of heating and cooling applications.

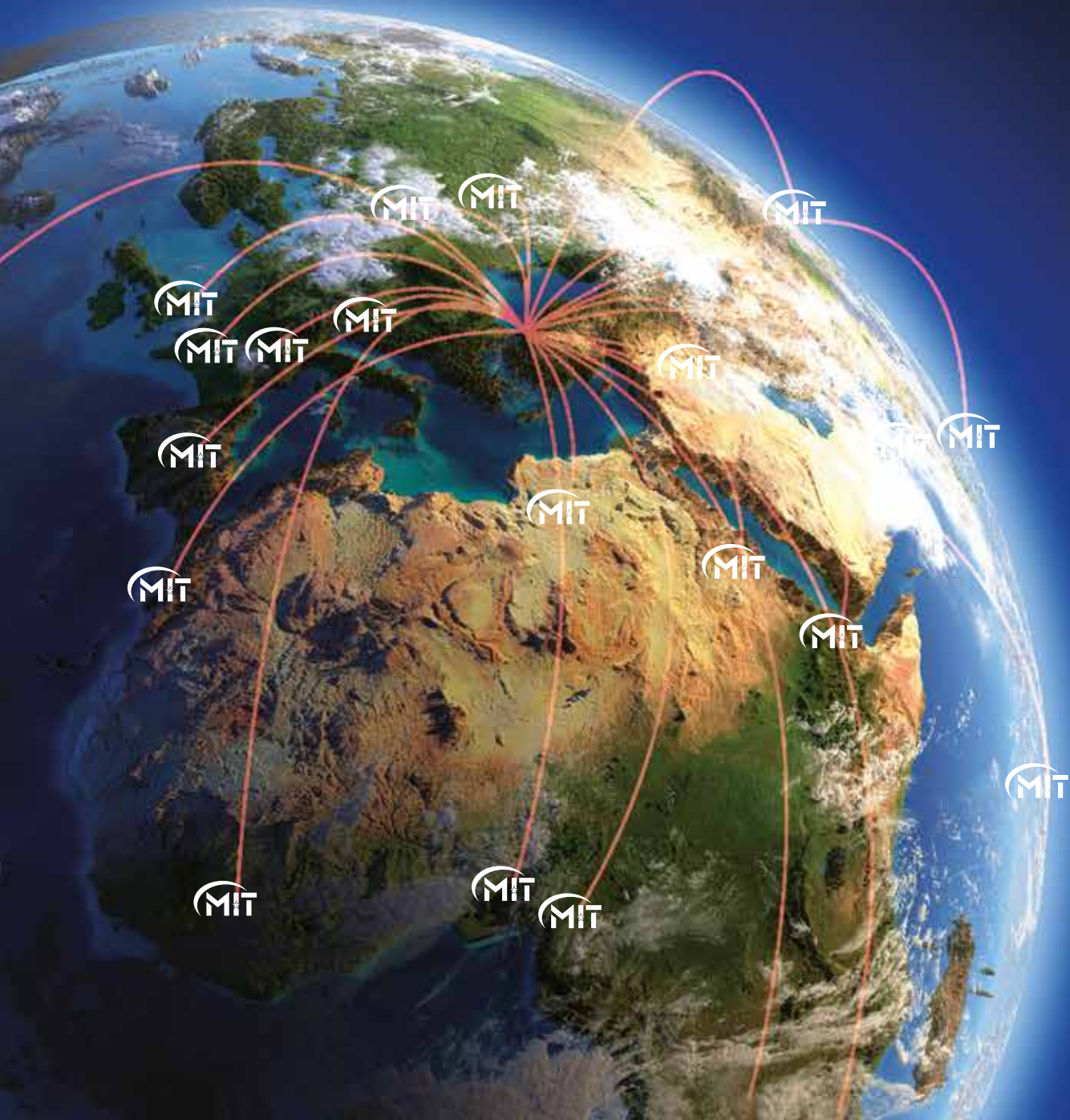


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Our products are produced with Turkish engineering technology in **135 countries** in the world today...





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