



EKİN ENDÜSTRİYEL

**THERMOREGULATOR
PRODUCT CATALOGUE**

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





The first condition of innovation is to question.

And the first condition of sustainable innovation is to question constantly.

The journey of innovation has started with a question for us too: “How can we develop value-added technologies in Turkey?”. First turning point in this long journey was the birth of MIT (Made in Turkey) brand. MIT made us the first plate heat exchanger producer of Turkey and it’s founding vision was not to become a local alternative, it was to build a high-quality brand that can compete on a global level.

While we are working towards this goal in the past 15 years, our products and processes deemed worthy for documentation by many national and international quality assessment institutions such as ISO, TSE, CE, GOST and many more. This was the natural outcome of our constant questioning of the status-quo and our desire to outperform ourselves.

New Generation Engineering

With our engineering approach that focuses on the process, not the problem, we do not just specialize in a product, we consider the entire ecosystem of that product. Ergo, we produce all the other components of a system in addition to plate heat exchangers and we focus on the constant development of engineering staff required to provide an end-to-end application.

We provide a “solution” rather than a product with our business development, presales, sales and after sales services provided by our expert engineers.

In our 15th year, we continue to grow as a solution partner for projects that need high technology in more than 60 countries with our internationally approved high-quality plate heat exchangers; components such as accumulation tanks, boilers, industrial pumps and installation materials that completes these exchangers to form a system; and complementary services provided by our expert engineer staff.



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 • Vapour Separator • 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 • Standardization 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)



FLOW CONTROL UNITS

- Butterfly Valves • Ball Valves • Globe Valves • Knife Gate Valves • Actuators • Check Valves • Strainers • Thermoplastic Valves • Plastomatic Valves



ENERGY SYSTEMS

- Boiler Systems • Solar Collectors • Water Heated Tanks For Solar

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Thermoregulator



MIT
INDUSTRIAL

MIT THERMOREGULATORS

Water and Oil Type Mold Conditioners, Heat Regulators

Thermoregulators can be called as heat regulators. These products which are developed by MIT engineers; mainly designed for obtaining high precision in mold cooling and heating applications, for obtaining high quality product and for managing to do fractional heating and cooling.

The required mold temperature in plastic injection machines should be at high temperature against freezing and not deforming its structure while filling process, and After filling, it should be in cold temperature to get ready to be separated from the mold. For this reason, it is recommended to use MIT Heat Regulators in plastic injection machines to provide thermal stability.

The products in our production form the ideal conditions for the high temperature liquid product to enter and move into the mold as heating the mold. When the filling process is completed, thermoregulators start cooling the mold and allows the products to be formed.

By this way, it provides that the visual quality is reached to the maximum level by preparing the mold under the most suitable conditions for liquid plastic during filling and provides that shortened the cycle time with a quick cooling after filling process.

This optimization of MIT Thermoregulators is mainly provided by the resistances on heating section and the cooler water that coming from chiller side on the cooling section. For customers who can not provide cooling water, the complete cooling system including all MIT Products is also supplied. Thanks to this working principle, efficiency increases, energy consumption is reduced and most of all, time is saved and production capacity increased.



Main Target of MIT Thermoregulators;

- Complete product production.
- High surface quality and low loss of materials.
- Low internal stresses and high strengths.
- No need for post-mold processes (deflashing, painting, etc.).
- Shortening cycle time and increasing quantities of products.
- Energy consumption reduction.



Our products are designed and manufactured according to your demands. Although the refrigerant is usually selected as water, heat transfer oils are also used according to your needs.

MIT TR 26.45.60	Unit
Max. Temperature	+90 °C
Min. Temperature	-5 °C
Density	998.2 kg/m ³
Flow Rate	5.02m ³ /h
Pump Head	69.8m
Type 1 Max. Pressure	7 Bar
Type 2 Max. Pressure	3 Bar
Test Pressure	10 Bar
Dimensions	260x450x600
Heating Fluid	Water - Oil
Cooling Fluid	Chiller Water
Heating Power	4500v



A chain is only as strong as its weakest link.

Running and maintaining a quality production process that meets international standards requires focusing on quality all along the ecosystem. Maintaining this focus requires a unifying vision of constant improvement shared by all stakeholder, and a certain level of expertise for all parties involved. Ekin Academy was established with the principles of continuous development and growing together to share the knowledge and experience that will realize this vision.

We support the development of our employees with training programs that directly contribute to the results in their business processes and make a difference in their personal development. We offer technical trainings on heat transfer, pressure vessels, package systems, food systems and liquid transfer. We help them become individuals who will make a difference with our development programs that covers topics like leadership, strategy, sales and many more. In addition, we provide information regarding installation, operating, maintenance and repairs with our pre and after sales training modules prepared for our business partners and customers.

At Ekin Academy we do not solely focus on the development of our staff, partners and customers. Thanks to our university collaborations, we provide the means for future engineers to put their theoretical knowledge to use with practical applications.



We organize seminars, conferences and trainings for professional chambers, and institutions we collaborate on social responsibility projects. Because we know that only by investing in the society, the industry and the future of the industry, we can become a country known for its high-quality engineering products.

SALES TEAM

An Engineering Approach from Sales to Maintenance

We offer value added pre and after sale services with our customer satisfaction-oriented approach and deep expertise we are more than happy to share. Thanks to our expert engineers that provide proactive solutions, we focus on making a difference throughout the process, from presales to maintenance.

With our “quality product, quality service, quality solution” approach, we are more than a manufacturer and supplier, we are a highly motivated solution partner for all kinds of heating and cooling projects.



Customer Satisfaction



Our priority is to ensure customer satisfaction and protect the rights of our customers with our pre-sales processes that analyze customer needs well, quality-registered product range, expert staff and meticulous working methods.

Ethical Values



We conduct all our activities in accordance with the laws and then with ethical values. We believe in growing together and we look for mutual benefit in all our business relationships.

Privacy Policy



All your personal information shared with our company is guaranteed by our ethical values and our processes in compliance with the Law No. 6698 on Protection of Personal Data.

Information Security



All our information technology operations are protected by our information security processes, which are managed in accordance with ISO 27001 Information Security Management System requirements.

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, 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 +90 (216) 232 24 12 in 7 days.**



+90 850 811 04 18

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.

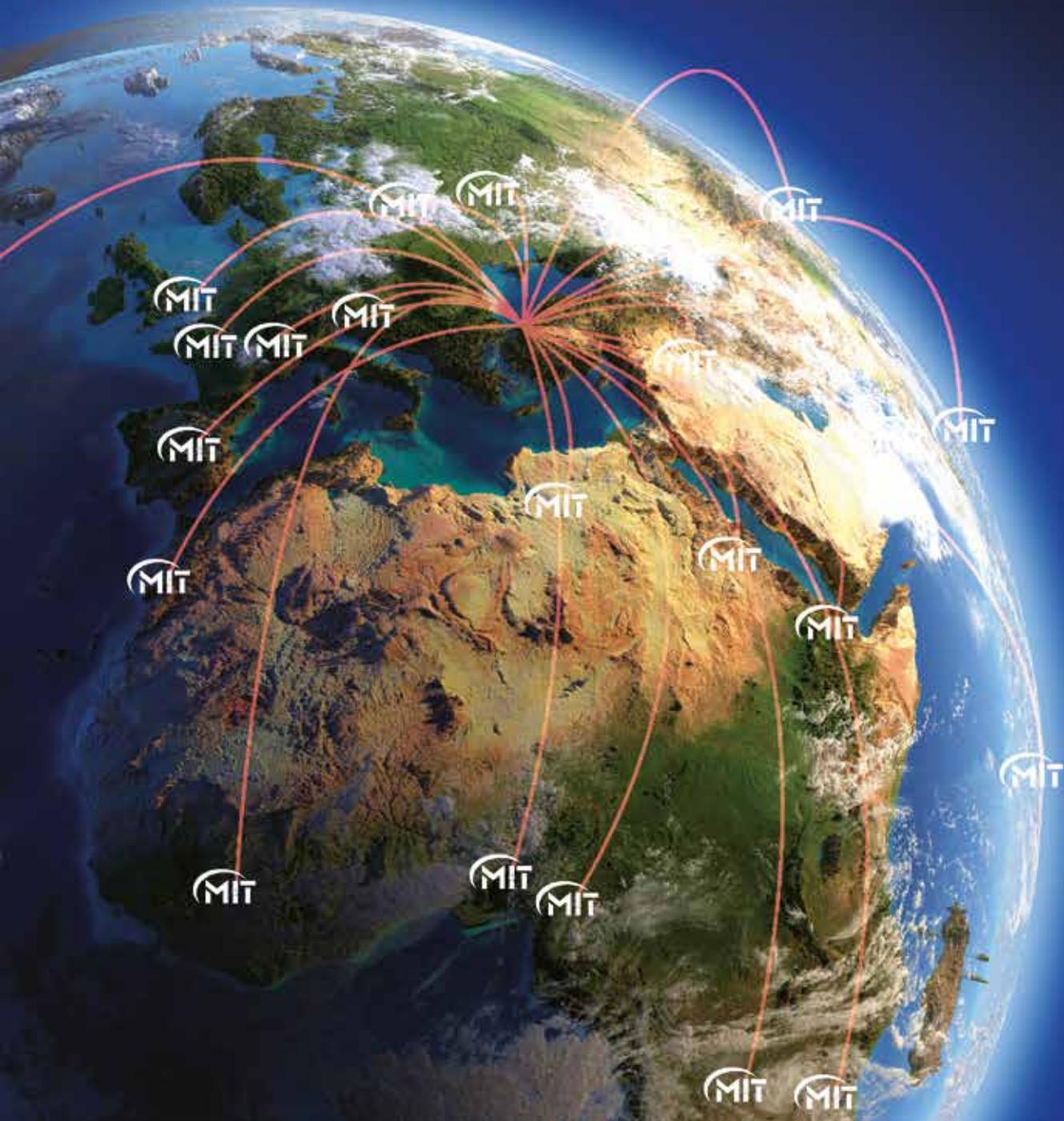


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