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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 management.

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.
Content

1 Blower
BLOWER
MIT BLOWERS

Blowers are installation equipment that provides the transfer of air in the emitted environment at high or low pressure and rotates the fan with the force received from the motor.

The fan in the blowers rotates by vacuuming the air in the suction section, the air trapped inside is then pushed towards the outlet side. Blowers are often used to move air.

MIT branded blowers offer the most reliable service for your application areas in terms of size, performance and technology.

WHY SHOULD I USE MIT BLOWERS?

MIT centrifugal blowers have a maintenance-free, highly efficient fan, electric motor and various mounting (horizontal and vertical) shapes.

They provide high pressure and vacuum. Can produce oil-free air. Easy to install and maintenance-free AC motor.

ADVANTAGES OF MIT CENTRIFUGAL BLOWERS

MIT branded blowers are designed to provide the best service to our valued customers with our expert engineer staff. We offer you the most efficient blower with the advantage of MIT brand below.

- It provides a maximum flow rate of 2500 m³/h.
- Creates a maximum pressure of 570 mbar.
- High temperature operation (maximum: 70-80 °C).
- Provides a quiet working environment (50-85 dBA).
- Environment-friendly thanks to the lack of oil-free operation and no pollution level.
- Vibration is minimized with dynamic balance adjustment.
- Easy installation. Suitable for horizontal and vertical installation.
- Swedish SKF or Japanese NSK bearings are used, ensuring efficient and long-lasting use.
- Provides trouble-free operation for 3-5 years under normal conditions.
WHAT ARE THE TYPES OF BLOWERS?

**Single Stage Blowers**
Single-stage blowers are available in a range of 55-1050 m³/h flow rates, 0-460 mbar pressures and 0.25 to 5.5 kW range of motor power.

**Double Stage Blowers**
Double-stage blowers are available in a range of 88-2050 m³/h flow rates, 0-570 mbar pressures and 0.7-25 kw.

HOW TO SELECT A BLOWER?

The most important information needed for blower selection (for air) is listed as follows.

- Air flow rate required (m³/h, Nm³/h).
- The positive pressure of the blower to be used for air transfer (such as mbar, bar, mSS).
- Vacuum value of the blower to be used for vacuum (mbar, bar, etc.).
- Ambient temperature.
Each blower has different operating values depending on the motor power.

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<thead>
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<th>Model</th>
<th>Electric Motor (kW)</th>
<th>Outlet Line</th>
<th>Weight (kg)</th>
<th>Stage</th>
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<th>Max. Pressure mBar</th>
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WORKING PRINCIPLE OF MIT CENTRIFUGAL BLOWER

Blowers increase the pressure of the absorbed gas by a series of vortex motions formed by the centrifugal movement of the impeller. When the impeller is rotating, the channels in the impeller push the air forward by the centrifugal movement and a helical movement occurs. During this movement, the gas is continuously compressed along the channel and the pressure increases linearly. The pressurized air is transferred from the outlet duct of the blower to the installation to be used.

WHAT ARE THE BLOWER USAGE AREAS?

Blowers are used in various processes such as food, transportation, granite carrier.

Blowers, other than vacuum pumps are effectively used in food washing, transport equipment, powder granur conveyor, suction equipment, industrial dust extraction, paper handling, degassing, bottle filling machines, automatic filling machines, paper cutting industry, printing paper handling process, dust removal equipment production, car washing, treatment plants, whirlpool, bottle drying, vegetable fruit washing and heating installations.
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.
MIT TİCARİ MODELLİ, EN YÜKSEK ÇALIŞMA BASINCI 10 BAR OLAN, SU TESİSATLARI İÇİN DİYAFRAMLI 
KAPALI GENLEŞME TANKI

BELGE KAPSAMI
SCOPE OF LICENCE
011181-TSE-02/01
07.06.2018
07.06.2019

EKİN ENDÜSTRİYEL ISITMA SOĞUTMA SAN. VE TİC. LTD. ŞTİ.
DUDULLU OSB MAH. DES SANAYİ SİT. B14 BLOK 107. SOK.
NO:2-4-6-8 ÜMRANİYE İSTANBUL/TÜRKİYE

BELGE NUMARASI
REFERENCE NUMBER OF LICENCE

BELGENİN İLK VERİLİŞ TARİHİ
DATE OF FIRST ISSUE OF LICENCE

BELGENİN SON GEÇERLİLİK TARİHİ
LICENCE VALID UNTIL

İPTAL EDİLEN BELGE NUMARASI (Varsa)
INDICATION OF SUPERSEDED LICENCE (if any)

BELGE SAHİBİ KURULUŞUN ADI
NAME OF THE LICENCE HOLDER

BELGE SAHİBİ KURULUŞUN ADRESİ
ADRESS OF THE LICENCE HOLDER

ÜRETİM YERİ ADI
NAME OF THE MANUFACTURING PLACE

ÜRETİM YERİ ADRESİ
ADRESS OF THE MANUFACTURING PLACE

TESCİLLİ TİCARİ MARKASI
REGISTERED TRADE MARK

MİT

İLGİLİ TÜRK STANDARDI
RELATED TURKISH STANDARD
TS EN 13831 / Su tesisatları için diyaframlı kapalı genleşme tankları /
09.11.2010

TURK STANDARDLARI ENSTİTÜSÜ
TÜRK İÇİNDE KULLANILAN MARKA

TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Belgelendirme Merkezi Başkanı Adına
Şafranlı Tommy Usta Adına

SAKARYA BELGELENDİRME MÜDÜRÜ

*Bu belge, belgelendirilen ürünün, üretim yerinin Enstitümüzün belirlediği şartları karşıladığını da gösterir.
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Faks: 2642912678

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Tel: 0 312 416 64 81 / 416 64 27, Faks: 0 312 416 66 17
adres: bmb@tse.org.tr, web: www.tse.org.tr

adresinden belgenin doğruluğunu ve geçerliliğini sorgulayınız.

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