



**EXPANSION TANKS  
PRODUCT CATALOGUE**

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





## Sustainable Innovation, Quality Standardization and Dynamism

Ekin Endüstriyel, which has entered Turkish heating sector by exporting of plated heat exchangers, is known with customer focused vision and dynamism. 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 become a solution for 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



# Contents

1

## Expansion Tanks



## MIT FOOTLESS AND HORIZONTAL EXPANSION TANK SERIES

### Technical Features of 10 Bar Footless Closed Expansion Tank

Model	Volume	Front Gas Pressure	Connection	Dimensions	
				Diameter	Height
MIT 10 K	8 lt	2	1"	220	320
MIT 10 K	12 lt	2	1"	220	380
MIT 10 K	19 lt	2	1"	280	430
MIT 10 K	24 lt	2	1"	280	470
MIT 10 K Ball Shaped	24 lt	2	1"	360	325
MIT 10 K	35 lt	2	1"	380	470
MIT 10 K	50 lt	4	1"	380	560



### Technical Features of 10 Bar Footless Closed Expansion Tank

Model	Volume	Pre-Charge Pressure	Connection	Dimensions	
				Diameter	Height
MIT 10 Y	24 lt	2	1"	280	470
MIT 10 Y	50 lt	4	1"	380	620
MIT 10 Y	60 lt	4	1"	380	670
MIT 10 Y	80 lt	4	1"	430	720
MIT 10 Y	100 lt	4	1"	460	800



## MIT VERTICAL EXPANSION TANK SERIES

### Technical Features of 10 Bar Footless Closed Expansion Tank



Model	Volume	Pre-Charge Pressure	Connection	Dimensions	
				Diameter	Height
MIT 10	50 lt	4	1"	380	750
MIT 10	60 lt	4	1"	380	810
MIT 10	80 lt	4	1"	430	960
MIT 10	100 lt	4	1"	460	990
MIT 10	150 lt	4	1"	500	1100
MIT 10	200 lt	4	1 1/4"	590	1120
MIT 10	300 lt	4	1 1/4"	640	1230
MIT 10	500 lt	4	1 1/4"	750	1550
MIT 10	750 lt	4	2"	750	1950
MIT 10	750 lt	4	2"	800	1850
MIT 10	900 lt	4	2"	800	1950
MIT 10	1000 lt	4	2"	800	2180
MIT 10	1500 lt	4	2"	960	2380
MIT 10	2000 lt	4	2"	1100	2520
MIT 10	3000 lt	4	2 1/2"	1200	2800
MIT 10	4000 lt	4	3"	1450	3100
MIT 10	5000 lt	4	3"	1450	3720
MIT 10	10000 lt	4	DN100	1600	5750

## Technical Features of 16 Bar Vertical Closed Expansion Tank



Model	Volume	Pre-charge Pressure	Connection	Dimensions	
				Diameter	Height
MIT 16	50 lt	4	1"	380	750
MIT 16	60 lt	4	1"	380	810
MIT 16	80 lt	4	1"	430	960
MIT 16	100 lt	4	1"	460	990
MIT 16	150 lt	4	1"	500	1100
MIT 16	200 lt	4	1 1/4"	590	1120
MIT 16	300 lt	4	1 1/4"	640	1230
MIT 16	500 lt	4	1 1/4"	750	1550
MIT 16	750 lt	4	2"	800	1850
MIT 16	900 lt	4	2"	800	1950
MIT 16	1000 lt	4	2"	800	2180
MIT 16	1500 lt	4	2"	960	2380
MIT 16	2000 lt	4	2"	1100	2520
MIT 16	3000 lt	4	2 1/2"	1200	2800
MIT 16	4000 lt	4	3"	1450	3100
MIT 16	5000 lt	4	3"	1450	3720
MIT 16	10000 lt	4	DN100	1600	5750



## Technical Features of 25 Bar Vertical Closed Expansion Tank



Model	Volume	Pre-charge Pressure	Connection	Dimensions	
				Diameter	Height
MIT 25	50 lt	4	1"	380	750
MIT 25	60 lt	4	1"	380	810
MIT 25	80 lt	4	1"	450	910
MIT 25	100 lt	4	1"	450	990
MIT 25	150 lt	4	1"	500	1100
MIT 25	200 lt	4	1 1/4"	600	1120
MIT 25	300 lt	4	1 1/4"	640	1230
MIT 25	500 lt	4	1 1/4"	750	1550
MIT 25	750 lt	4	2"	800	1850
MIT 25	900 lt	4	2"	800	1950
MIT 25	1000 lt	4	2"	800	2180
MIT 25	1500 lt	4	2"	960	2380
MIT 25	2000 lt	4	2"	1100	2520
MIT 25	3000 lt	4	2 1/2"	1200	2800
MIT 25	4000 lt	4	3"	1450	3100
MIT 25	5000 lt	4	3"	1450	3720
MIT 25	10000 lt	4	DN100	1600	5750

## MIT MEMBRANE SERIES

### Technical Details of Membranes

- The membranes, which are used in our tanks, are manufactured from EPDM and BUTYL rubber materials.
- EPDM membranes are used in our expansion tanks which is from 8 Lt to 4000 Lt.
- BUTYL Membrane is used in our 5000 Lt and over capacity expansion tanks.
- EPDM Membrane is resistant to +10 / +110 °C.
- BUTYL Membrane is sliding up to +10 / +130 °C.
- The membranes used in our expansion tanks can be used in all drinking water.



Dimension and Capacity	Rubber Material	Flange (mm)	Height (mm)
MIT 8-12 lt	EPDM	80-110	195
MIT 18-24 lt	EPDM	80-110	248
MIT 35-60 lt	EPDM	80-110	315
MIT 80-100 lt	EPDM	80-110	700
MIT 150 lt	EPDM	80-110	750
MIT 200 lt	EPDM	150-210	800
MIT 300 lt	EPDM	150-210	1000
MIT 500 lt	EPDM	150-210	1400
MIT 750 lt	EPDM	150-210	1600
MIT 1000 lt	EPDM	200-250	2000
MIT 1500 lt	EPDM	200-250	2000
MIT 2000 lt	EPDM	200-250	2000
MIT 8-12 lt	BUTYL	80-110	195
MIT 18-24 lt	BUTYL	80-110	248
MIT 35-60 lt	BUTYL	80-110	315
MIT 80-100 lt	BUTYL	80-110	700
MIT 150 lt	BUTYL	80-110	750
MIT 200 lt	BUTYL	150-210	800
MIT 300 lt	BUTYL	150-210	1000
MIT 500 lt	BUTYL	150-210	1400
MIT 750 lt	BUTYL	150-210	1600
MIT 1000 lt	BUTYL	200-250	2000
MIT 1500 lt	BUTYL	200-250	2000
MIT 2000 lt	BUTYL	200-250	2000
MIT 3000 lt	BUTYL	150-210	2515
MIT 4000 lt	BUTYL	250-300	2680
MIT 5000 lt	BUTYL	150-210, 250-300	3440
MIT 10000 lt	BUTYL	150-210, 250-300	5655









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.








### AT TİP İNCELEME SERTİFİKASI / EC TYPE EXAMINATION

**Holder Of Certificate (Sertifika Sahibi) :** EKIN ENDÜSTRİYEL İSITMA SOĞUTMA SAN. TİC LTD. ŞTİ  
**Company Address (Firma Adresi) :** Esenherald M.Dış San. San. Sit. 157. Sok. Altınoluk C.B 14Blok 2A 4 Çarşıoğlu/İstanbul  
**Production Address (Üretim Adresi) :** Barış Mah. Tünelik Yolu Anadol Cad.No 23 Gedizli Köyü/İstanbul/Türkiye  
**Trade Mark (Ticari Marka) :** MIT  
**Product (Ürün) :** Kapalı Genleşme Tankı / Closed Expansion Vessel  
**Modeller (Model) :** EK1 (Liste / They have shown in the attached list)

**The technical documentation review and evaluation of the product(s) was done for above described product(s) according to 87/23/EEC Pressure Equipment Directive Annex III Modul B EC Type Examination of the machinery whose information given above and it was found suitable for conditions of Technical Regulations Harmonized Standards / Yukarıda listelenen teknik dokümanların incelenmesi ve Ürün(Ürünleri) Değerlendirilmesi 87/23/AT Basınç Ekipmanları Yönetmeliğinin EK III Modul B AT Tip İncelemesi (B309) kapsamında gerçekleştirilmiş ve Teknik Düzenlemeler/Ürünleştirilme Standartları karşısına uygun olduğu tespit edilmiştir.**

**For affixing the Notified Body number with CE mark, company has to carry out one of the modules mentioned in 87/23/EEC Pressure Equipment Directive Annex B / Kuruluşun CE İşareti ile birlikte Ürün(Ürünleri) Kuruluş Kıtak numarasını içeren 87/23/AT Basınç Ekipmanları Yönetmeliğinin EK III'de belirtilen gösterim modüllerinden birini uygulaması gerekmektedir.**

Sertifika No / Certificate No	985-C21-00-TR-PEE-14-052	 <b>Ekim ÖZGÜRS</b> General Manager / Genel Müdür
Rapor Numarası / Report No	R.985-PEE-001	
Sertifika Tarihi / Certificate Date	18.11.2015	
Geçerlilik Tarihi / Expiry Date	18.11.2025	
Yer / Place	İSTANBUL	

Manufacturer will inform TCS International Certification about every modification that can affect safety of equipment / Üretici TCS Uluslararası Belgelendirme'ye her türlü yapılabilecek değişiklikten önce bildirmelidir.

TCS Uluslararası Belgelendirme Merkezi'ne yazılı olarak görüşme için aşağıdaki telefon numaralarıyla ulaşabilirsiniz.

900-000-800-11333333





**TÜRK STANDARDLARI ENSTİTÜSÜ**  
**TÜRK STANDARDLARINA UYGUNLUK BELGESİ**  
**TURKISH STANDARDS INSTITUTION**  
**CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Sahibi / Proprietor of the Mark  


<b>BELGE NUMARASI</b> REFERENCE NUMBER OF LICENCE	011181-TSE/02/01
<b>BELGENİN İLK VERİLİŞ TARİHİ</b> DATE OF FIRST ISSUE OF LICENCE	07.06.2018
<b>BELGENİN SON GEÇERLİLİK TARİHİ</b> LICENCE VALID UNTIL	07.06.2019
<b>BELGE SAHİBİ KURULUŞUN ADI</b> NAME OF THE LICENCE HOLDER	EKIN ENDÜSTRİYEL İSITMA SOĞUTMA SAN. VE TİC. LTD. ŞTİ.
<b>BELGE SAHİBİ KURULUŞUN ADRESİ</b> ADDRESS OF THE LICENCE HOLDER	DUDULLU OSB MAH. DES SANAYİ SİT. B14 BLOK 107. SOK. NO:2-4-6-8 ÜMRANİYE İSTANBUL/TÜRKİYE
<b>ÜRETİM YERİ ADI</b> NAME OF THE MANUFACTURING PLACE	EKIN ENDÜSTRİYEL İSITMA SOĞUTMA SAN. VE TİC. LTD. ŞTİ.
<b>ÜRETİM YERİ ADRESİ</b> ADDRESS OF THE MANUFACTURING PLACE	DUDULLU OSB MAH. DES SANAYİ SİT. B14 BLOK 107. SOK. NO:2-4-6-8 ÜMRANİYE İSTANBUL/TÜRKİYE
<b>İPTAL EDİLEN BELGE NUMARASI (Varsa)</b> INDICATION OF SUPERSEDED LICENCE (If any)	
<b>TESCİLLİ TİCARİ MARKASI</b> REGISTERED TRADE MARK	MIT
<b>İLGİLİ TÜRK STANDARTI</b> RELATED TURKISH STANDARD	TS EN 13831 / Su tesisatları için diyaframlı kapalı genleşme tankları / 09.11.2010
<b>BELGE KAPSAMI</b> SCOPE OF LICENCE	MIT TİCARİ MODELİ, EN YÜKSEK ÇALIŞMA BASINCI 10 BAR OLAN, SU TESİSATLARI İÇİN DİYAFRAMLI KAPALI GENLEŞME TANKI

08.06.2018  
Belgelendirme Merkezi Başkanı Adına  
**ÖMER FARUK DUMAN**  
SAKARYA BELGELENDİRME MÜDÜRÜ

Bu belge belgelendirilen ürünün, belirli yerleri, Emisyonlu birliği için karıştığına delildir.  
 Bu belge hiç bir şekilde telif edilmez, kopya veya özet halinde yayımlanmaz, kopya ve özet yapılamaz.  
 TSE SAKARYA BELGELENDİRME MÜDÜRLÜĞÜ Adres: 1. Organize Sanayi Bölgesi Doğu Kapısı, Şişli Zaferan Çiçeği Yurdu Cad. Halk / ADAPAZARI / Tel: 2643292875  
 Faks: 2642912878  
 TSE BELGELENDİRME MERKEZİ BAŞKANLIĞI Adres: Necatibey Cad. No:112 06100 Sakarya/ANKARA - Tel: 0 312 416 64 81 / 416 64 27, Faks: 0 312 416 66 17  
 e-posta: tmb@tse.org.tr, web: www.tse.org.tr


http://evakkontrol.net.org.tr/BelgeDegisilmesi.aspx?m=246489 adresinde belge durumu ve geçerliliği sorgulayınız.



## Certificate of Registration

### CERTIFICATE OF CONFORMITY

TECHNICAL FILE/TEKNİK DOSYA UYGUNLUK SERTİFİKASI  
Certificate No: PC-1066



to the Manufacturer / aşğıdaki üretici için:

**EKIN ENDÜSTRİYEL İSITMA SOĞUTMA SAN. VE TİC.LTD.ŞTİ.**  
Muhür No: RES 385048/Şişli/2014, Şişli Mah. Çarşıoğlu/İstanbul/34392

Product and designation of type / Ürün ve belirtilen tür:  
Air Separator/Hava Ayırıcı / MIT Brand/MIT Markalı



HA20, HA25, HA32, HA40, HA50, HA65, HA80, HA100, HA125, HA150,  
HA200, HA250, HA300, HA350, HA400

The products is covered by the following EU-Directive /  
Ürünler aşağıdaki yönetmelik kapsamındadır:  
2014/68/EU Pressure Equipment Directive (PED)

Observing all EU Directives for the product, the CE mark can be available on the products /  
Ürüne ait tüm Avrupa Birliği Direktifleri göz önünde tutularak, CE işareti kullanılabilir.

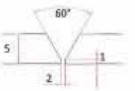
This certificate covers the above product... Does not cover all products produced,  
covers the above products / Bu sertifika yukarıdaki ürünü kapsamaktadır,  
tüm diğer ürünleri kapsamaz, yukarıdaki ürünleri kapsamaz.

Certificate Date / Sertifika Tarihi:  
Date of Initial Registration / İlk Belgelendirme Kayıt Tarihi : November 26<sup>th</sup>, 2015 / 26 Kasım 2015  
Date of Last Issue / Yayımlanma Tarihi : March 23<sup>rd</sup>, 2018 / 23 Mart 2018  
Date of Expiry / Geçerlilik Bitimi : March 23<sup>rd</sup>, 2019 / 23 Mart 2019

Signed / İmzalı  
 İSO 9001:2015 Certified International Inspection Co., Ltd.  
 No:362/58 Şişli/İstanbul  
 www.belgelendirme.com.tr  
 Certificates enquiry: www.belgelendirme.com.tr / Istanbul'daki ofisimize ulaşabilirsiniz

Assure OHSAS 18001:2007 Accredited  
 Top 200 Exporters of Turkey

WELDING PROCEDURE QUALIFICATION RECORD (PQR) (Section IX, ASME Boiler and Pressure Vessel Code)		CERTIFICATE 09-702-01-C-10-2017-211402991																																														
Procedure Qualification Record No: wPQR-43-BW-01		Company Name: Ekin Endüstriyel Isıtma Soğutma San. Tic. Ltd. Şti. Address: DES Sanayi Sitesi 107.Sok. B14 Blok No:2-4-6-8 Ümraniye/İST																																														
Welding Process(es): GTAW		Type(s): Manual																																														
																																																
<b>BASE METALS (QW-403)</b> Material Spec: ASTM 316 (2205NM07-12-2) Type or Grade, or UNS Number: A1 / NO / A1 P-No./Gr-No: 5 Thickness of Test Coupon: N/A Diameter of Test Coupon: No pass over 13mm Other:		<b>POSTWELD HEAT TREATMENT (QW-407)</b> Temperature: - Time: - Other:																																														
<b>FILLER METALS (QW-404)</b> SMA Specification: AS.9 AWS Classification: ER 308 L Trade Name: 55 308 L Filler Metal P-No.: 5 Weld Metal Analysis A-No.: 1 Size of Filler Metal: 2 Filler Metal Product Form: Solid Rod Supplemental Filler Metal: N/A Weld Metal Thickness: 5 Flux Type: N/A Flux Trade Name: N/A Other:(QW-404.14): N/A		<b>GAS (QW-408)</b> Shielding - GTAW: Ar Shielding - FCAW: - Trailing Backing: - <b>ELECTRICAL CHARACTERISTICS (QW-409)</b> Current: DC Polarity: EN Amps: 95-110 Volts: 19-17 Tungsten Electrode Size: 2 Heat Input: 0.83-1.75 kJ/mm Mode of Metal Transfer for GMAW (FCAM): N/A Other:																																														
<b>POSITION (QW-405)</b> Position of Groove: 1G Weld Progression (Up/Pl, Down/Pl): N/A Other:		<b>TECHNIQUE (QW-410)</b> Travel Speed (mm): See below table String or Weave Bead: String Bead Oscillation: N/A Multi / Single Pass (per side): Multi Pass Single or Multiple Electrodes: Single Initial and Interpass Clearing: Grinding and Brushing Method of Back Gouging: Grinding Other:(QW-410.11 / QW-410.64):																																														
<b>PREHEAT (QW-406)</b> Preheat Temperature(Min.): Min. 10° Interpass Temperature(Max.): Max. 200° Other:		<b>Actual Values</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Weld Layer</th> <th>Process</th> <th>Class</th> <th>Dep. (mm)</th> <th>Type / Polarity</th> <th>Amperage Range (A)</th> <th>Voltage (V)</th> <th>Travel Speed (mm/min)</th> <th>Heat Input (kJ/cm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GTAW</td> <td>ER 308 L</td> <td>2</td> <td>DC EN</td> <td>95-110</td> <td>19-17</td> <td>3.87</td> <td>0.83-0.71</td> </tr> <tr> <td>2</td> <td>GTAW</td> <td>ER 308 L</td> <td>2</td> <td>DC EN</td> <td>95-110</td> <td>19-17</td> <td>3.86</td> <td>0.81-0.80</td> </tr> <tr> <td>3</td> <td>GTAW</td> <td>ER 308 L</td> <td>2</td> <td>DC EN</td> <td>95-110</td> <td>19-17</td> <td>3.77</td> <td>1.5-1.71</td> </tr> <tr> <td>4</td> <td>GTAW</td> <td>ER 308 L</td> <td>2</td> <td>DC EN</td> <td>95-110</td> <td>30-31</td> <td>0.6</td> <td>1.93-1.71</td> </tr> </tbody> </table>		Weld Layer	Process	Class	Dep. (mm)	Type / Polarity	Amperage Range (A)	Voltage (V)	Travel Speed (mm/min)	Heat Input (kJ/cm)	1	GTAW	ER 308 L	2	DC EN	95-110	19-17	3.87	0.83-0.71	2	GTAW	ER 308 L	2	DC EN	95-110	19-17	3.86	0.81-0.80	3	GTAW	ER 308 L	2	DC EN	95-110	19-17	3.77	1.5-1.71	4	GTAW	ER 308 L	2	DC EN	95-110	30-31	0.6	1.93-1.71
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TÜV TüRK Kontrol ve Belgelendirme A.Ş. Ayırcıoğlu Cad. Paşa 58. Katlı Plaza No: 2-4 Kat, Etiler/Beşiktaş, İstanbul-TÜRKİYE Telefon: +90 212 235 20 42 Fax: +90 212 295 58 44 E-mail: tuv.msk@tuv-turkey.com																																																



**TÜRK STANDARLARI ENSTİTÜSÜ**  
**TÜRK STANDARLARINA UYGUNLUK BELGESİ**  
**TURKISH STANDARDS INSTITUTION**  
**CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Tanımı / Description of the Mark  
**TSE** **TSE** **TSE**

**BELGE NUMARASI** / PERFORMANCE NUMBER OF LICENSE: 211181-TSE-01401  
**BELGENİN İLK YERLİŞİ TARİHİ** / DATE OF FIRST ISSUE OF LICENSE: 14.12.2016  
**BELGENİN SON GEÇERLİLİK TARİHİ** / LICENCE VALID UNTIL: 14.12.2018  
**BELGE SAHİBİ KURULUŞUN ADI** / NAME OF THE LICENSE HOLDER: EKİN ENDÜSTRİYEL ISITMA SOĞUTMA SAN. VE TİC. LTD.ŞTİ.  
**BELGE SAHİBİ KURULUŞUN ADRESİ** / ADDRESS OF THE LICENSE HOLDER: CAĞALOĞLU ÖSS MAH. DES-107 SK. NO:2 ÜMRANİYE İSTANBUL/TÜRKİYE  
**ÜRETİM YERİ ADI** / NAME OF THE MANUFACTURING PLACE: EKİN ENDÜSTRİYEL ISITMA SOĞUTMA SAN. VE TİC. LTD.ŞTİ.  
**ÜRETİM YERİ ADRESİ** / ADDRESS OF THE MANUFACTURING PLACE: CAĞALOĞLU ÖSS MAH. DES-107 SK. NO:2 ÜMRANİYE İSTANBUL/TÜRKİYE  
**İPTAL EDİLEN BELGE NUMARASI (Varlık)** / INDICATION OF SUPERSEDED LICENSE (if any):  
**TEKİLLİK TİCARİ MARKASI** / REGISTERED TRADE MARK: MT + Sani  
**İLKÖLÜ TÜRK STANDARLARI** / RELATED TURKISH STANDARDS: TS 736 / Soak su hazırlayıcılar (Beyzeler) - Soak su, kapalı su veya buhar ile yapılan / 02.04.2018  
**BELGE KAPSAMI** / SCOPE OF LICENSE: Soak su hazırlayıcılar (Beyzeler) / Sınıf 1 / Plastik aletler / Tür 1 / Soak su ile çalışan / Tür 3 / Buhar (sıvı buhar) ile çalışan / Düşük 2. Düşük yoğunluk kullanıcılara (Fiyel); Kısıtlıya Kısıtlı Kuruma / 02.04.2018

01.12.2017  
**VOLKAN DÜLGER**  
MAKİNA SEKTÖRÜ MÜDÜRÜ

**ISQ**  
Certification Body

**CERTIFICATE**

**EKİN ENDÜSTRİYEL ISITMA SOĞUTMA SAN. VE TİC. LTD. ŞTİ.**  
ATATÜRK CAD. DESSAN SANAYİ SİTESİ B14 BLOK 107 SK. 2/A NO:4 ÜMRANİYE / İSTANBUL / TÜRKİYE, Türkiye  
İNTERSİSTEM TEKNİK BELGELENDİRME sertifikalı tesisler için ve uygulanabilir olduğu için ISO 50001:2018  
is certified by INTERSYSTEM TECHNICAL BELGELENDİRME Certification and audit Energy Management System based on requirements of ISO 50001:2018

Sertifika No / Certificate No: **EnMS-0009-13001066-TR**

02.11.2018 Sertifika Tarihi / Certificate Issue Date	02.11.2020 Sertifika Son Tazminat Tarihi / Certificate Validity End Date
02.11.2018 Belgeleme Periyodu / Belgeleme Periyodu / Certification Period	3 YIL / 3 YIL Sertifika Geçerlilik Tarihi / Certificate Validity Period

**ONAY**  
APPROVAL

**Certificate of Registration**  
**CERTIFICATE OF CONFORMITY**  
TECHNICAL FILE-TEKNİK DOSYA UYGUNLUK SERTİFİKASI  
Certificate No: **PC-1059**

**CE**

to the Manufacturer / uygulayıcı ünite için:

**EKİN ENDÜSTRİYEL ISITMA SOĞUTMA SAN. VE TİC.LTD.ŞTİ.**  
Makina Cad. 285 Sarıyer Sitesi 1317, Sokak No. 14 Blok No:2/A 4 Ümraniye / İstanbul / TÜRKİYE

Product and designation of type / Ürün ve tanımlama:  
Balance Tanks/Geçirgen Tanklar / MIT Branded MIT Markalı

BALANCE TANKI/GEÇİRGEN KABİ / DK25 (0-25 KW), DK32 (25-43 KW), DK40 (43-61 KW),DK50 (50-72 KW), DK60 (72-93 KW), DK80 (93-243 KW), DK100 (93-195 KW), DK125 (195-300 KW), DK150 (300-1750 KW), DK200 (1750-3500 KW), DK250 (3500-5000 KW), DK300 (5000-5000 KW), DK350 (5000-6000 KW), DK400 (6000-8000 KW), DK450 (8000-10000 KW), DK1000 (10000-16000 KW)

PACKET BALANCE TANKI / PAKET GEÇİRGEN KABİ / PK25 (0-25 KW), PK32 (25-43 KW), PK40 (43-61 KW), PK45 (61-108 KW), PK48 (108-130 KW), PK50 (130-243 KW), PK60 (243-300 KW), PK80 (300-1250 KW), PK125 (1250-3000 KW), PK150 (3000-5000 KW), PK200 (5000-6000 KW), PK250 (6000-8000 KW), PK300 (8000-10000 KW), PK350 (10000-16000 KW)

The products is covered by the following EU-Directive / Ürünler aşağıdaki direktifler kapsamında:  
2014/30/EU Pressure Equipment Directive (PED) / Basınç Ekipmanları Yönetmeliği

This certificate covers the above product. Does not cover all products produced, covers the above products. / Bu sertifika sadece yukarıdaki ekipmanları kapsar. Yukarıdaki ekipmanları kapsamaz, diğer ekipmanları kapsamaz.

Certificate Date / Sertifika Tarihi:  
Date of Initial Registration / İlk Belgelenme Tarihi: 11.10.2017 / 28 Kasım 2017  
Date of Last Renewal / Son Tazminat Tarihi: 11.10.2020 / 9 Kasım 2020  
Date of expiry / Geçerlilik Sonu Tarihi: 11.10.2020 / 28 Kasım 2018

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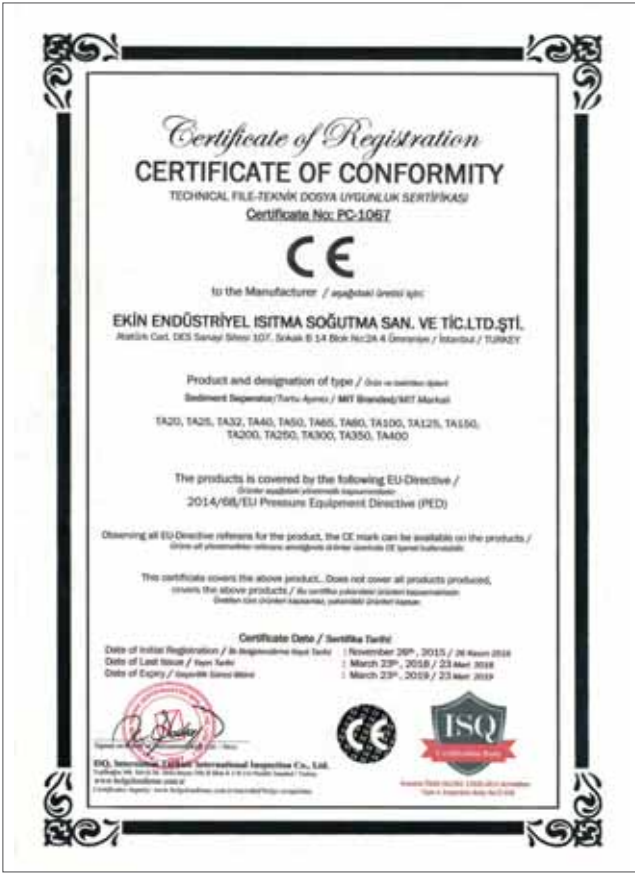
**CERTIFICATE**

**EKİN ENDÜSTRİYEL ISITMA SOĞUTMA SAN. VE TİC. LTD. ŞTİ.**  
ATATÜRK CAD. DESSAN SANAYİ SİTESİ B14 BLOK 107 SK. 2/A NO:4 ÜMRANİYE / İSTANBUL / TÜRKİYE, Türkiye  
İNTERSİSTEM TEKNİK BELGELENDİRME sertifikalı tesisler için ve uygulanabilir olduğu için OHSAS 18001:2007  
is certified by INTERSYSTEM TECHNICAL BELGELENDİRME Certification and audit Occupational Safety and Health Management System based on requirements of OHSAS 18001:2007

Sertifika No / Certificate No: **OH-0096-13001066-TR**

11.10.2017 Sertifika Tarihi / Certificate Issue Date	10.10.2020 Sertifika Son Tazminat Tarihi / Certificate Validity End Date
10.10.2020 Belgeleme Periyodu / Belgeleme Periyodu / Certification Period	3 YIL / 3 YIL Sertifika Geçerlilik Tarihi / Certificate Validity Period

**ONAY**  
APPROVAL





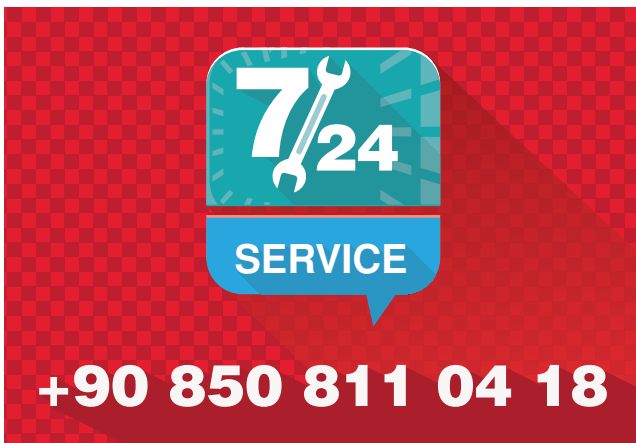
## PROFESSIONAL SYSTEM SOLUTION CENTER

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.
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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.**



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.



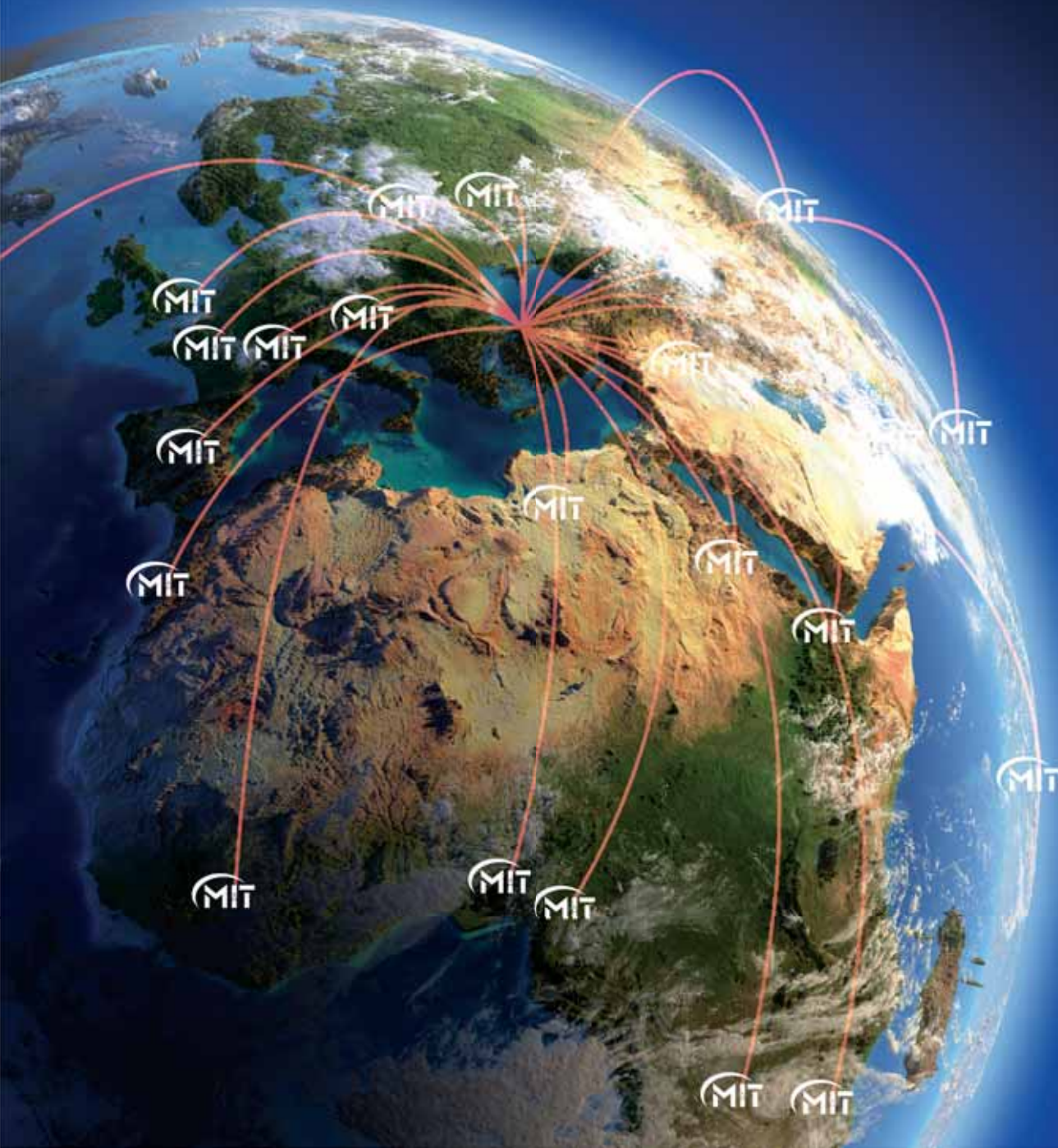
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