EKİN ENDÜSTRİYEL

Separators

MIT
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 heatexchangers 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 Approaches, 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.
**Sediment Separator**

- **Threaded Connection (Combi System)**
  - Body: St37 Steel
  - Leaktightness: PTFE

- **Montage Information**
  - Max. Pressure: 10 bar
  - Max. Temperature: 110°C

- **Material**
  - Body: St37 Steel
  - Separator: AISI304

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**Dimensions (mm)**

<table>
<thead>
<tr>
<th>DN</th>
<th>L</th>
<th>LK</th>
<th>H</th>
<th>h</th>
<th>d (KV)</th>
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<tbody>
<tr>
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<td>1700</td>
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**Dimensions (mm)**

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<thead>
<tr>
<th>d1</th>
<th>L</th>
<th>H</th>
<th>h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>130</td>
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<tr>
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<td>425</td>
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<td>1½</td>
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<td>2</td>
<td>160</td>
<td>425</td>
<td>340</td>
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</table>

**Ball Dirt Relief Valve**

<table>
<thead>
<tr>
<th>D</th>
<th>1&quot;</th>
<th>2</th>
</tr>
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<tbody>
<tr>
<td>KV</td>
<td>75 mm</td>
<td>40 mm</td>
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</table>

Sediment coming from the water in the systems are used for preventing the clogging, corrosion, dirt slag and failures.

*Dimensions can be changed. * It is produced as project and application dimension.
Air separators are used for preventing the system from damages can be done by the air existing in the system such as corrosion, cavitation voice damage.

**Threaded Connection (Combi System)**
- Nickel-brass coated body
- Leaktightness NBR

**Operating Conditions,**
- Max. Pressure: 10
- Max. Temperature: 100°C

**Montage Information,**
- Heat Systems: Exit of boiler
- Cooling Systems: Entrance of chiller

**Material,**
- Body: St37 Steel
- Separator: AISI304

*Dimensions can be changed. * It is produced as project and application dimension.
Balance Tank

Mixing the cold water coming from the system with the hot water from the boiler it establishes thermal equilibrium to provide economy. It prevents thermal stress on the boiler.

*Dimensions can be changed. * It is produced as project and application dimension.

### Dimensions (mm)

<table>
<thead>
<tr>
<th>Kcal/h</th>
<th>KW</th>
<th>DN</th>
<th>D</th>
<th>m³/h</th>
<th>L</th>
<th>LK</th>
<th>H</th>
<th>h</th>
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<td>700</td>
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### Air Drainer

<table>
<thead>
<tr>
<th>D</th>
<th>1/2”</th>
<th>3/4”</th>
<th>1”</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA</td>
<td>112 mm</td>
<td>116 mm</td>
<td>190 mm</td>
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</tbody>
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### Ball Dirt Relief Valve

<table>
<thead>
<tr>
<th>d</th>
<th>1/2”</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Kv</td>
<td>60 mm</td>
<td>70 mm</td>
<td>70 mm</td>
</tr>
</tbody>
</table>

**Material,**
- Body: St37 Steel

**Operating Conditions,**
- Heat Systems: Exit of boiler
- Cooling Systems: Entrance of chiller

*Dimensions can be changed. * It is produced as project and application dimension.
## Package Balance Tank

**Advantages at heating and cooling Systems**
- 3-pack system in one unit
- Ensures the hydraulic balance
- Air release
- Residue-dirt separators
- Easy installation
- Good price
- 2 year warranty

*Dimensions can be changed. * It is produced as project and application dimension.

### Dimensions (mm)

| Kcal/h  | KW  | DN | D  | m³/h | L  | LK | H   | h
|---------|-----|----|----|------|----|----|-----|----
| 104.000 | 120 | 50 | 150| 8    | 330| 240| 650 | 400
| 120.000 | 140 | 65 | 150| 10   | 400| 310| 750 | 450
| 180.000 | 210 | 80 | 200| 12   | 500| 420| 950 | 600
| 300.000 | 350 | 100| 200| 20   | 500| 420| 1100| 700
| 340.000 | 395 | 100| 250| 23   | 550| 470| 1300| 850
| 473.000 | 550 | 125| 250| 32   | 550| 470| 1450| 900
| 774.000 | 900 | 150| 300| 52   | 600| 520| 1670|1100
| 1.118.000|1300|150| 350| 74   | 670| 570| 1950|1230
| 1.505.000|1750|200| 400|100  | 770| 650| 2200|1400
| 2.150.000|2500|200| 450|145  | 870| 710| 2300|1570
| 2.580.000|3000|250| 450|172  | 890| 750| 2600|1800
| 3.010.000|3500|250| 500|201  | 950| 820| 2800|1900
| 3.440.000|4000|250| 600|230  |1050| 900| 2800|2100
| 3.870.000|4500|250| 650|260  |1150|1000| 2900|2200
| 4.300.000|5000|300| 700|290  |1400|1150| 3150|2400
| 4.730.000|5500|300| 750|315  |1400|1250| 3300|2600

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<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Kv</td>
<td>60 mm</td>
<td>70 mm</td>
<td>75 mm</td>
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</tbody>
</table>

**Operating Conditions,**
- Max. Pressure: 10 bar
- Max. Temperature: 110°C

**Material,**
- Body: St37 Steel
Dirt-Air Separator

Single device that can separate existing air and dirt from the cooling and heating systems.

**Montage Information,**

**Heat Systems:**
Near the exit of boiler

**Cooling Systems:**
Near the entrance of chiller

**Operating Conditions,**
Max. Pressure: 10 bar
Max. Temperature: 110°C

**Material,**
Body: St37 Steel
Separator: AISI304

**Threaded Connection (Combi System),**
Nickel-brass coated body
Leaktightness NBR

**Operating Conditions,**
Max. Pressure: 10
Max. Temperature: 100°C

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### Dimensions (mm)

<table>
<thead>
<tr>
<th>DN</th>
<th>L</th>
<th>LK</th>
<th>H</th>
<th>h</th>
<th>d (HA)</th>
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<tbody>
<tr>
<td>50</td>
<td>300</td>
<td>270</td>
<td>475</td>
<td>330</td>
<td>1/2”</td>
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<tr>
<td>65</td>
<td>300</td>
<td>270</td>
<td>475</td>
<td>330</td>
<td>1/2”</td>
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<tr>
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<td>400</td>
<td>360</td>
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<td>1200</td>
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<td>1700</td>
<td>1225</td>
<td>1”</td>
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### Strainer

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</thead>
<tbody>
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<tr>
<td>115 mm</td>
<td>156 mm</td>
<td>190 mm</td>
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### Air Drainer

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<th>DN</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1/2”</td>
<td>63</td>
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<tr>
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<td>69</td>
<td>143</td>
<td>33</td>
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<td>1”</td>
<td>81</td>
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<tr>
<td>2”</td>
<td>135</td>
<td>166</td>
<td>51</td>
</tr>
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*Dimensions can be changed. * It is produced as project and application dimension.
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 puMmps.
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.
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

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 İstıma-Soğutma San. Tic. Ltd. Şti.
DES San. Sit. 107. Sok. No:2 Y. Dudullu / Ümraniye / İstanbul
Phone : +90 444 35 46
Fax : +90 216 660 13 08
E-mail : info@ekinendustriyel.com
Web : www.ekinendustriyel.com