

EKIN ENDÜSTRİYEL

Stainless Accumulation Tanks  
and Boilers



# 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 heat exchangers 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 Approachments, 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.



## MIT Stainless Accumulation Tanks and Boilers

MIT Plat Heat Exchangers in one of Turkey's most well-known and preferred brand continues to take new steps day by day in order to ensure continuous development of the sector. With specific products produced in Turkey, Ekin Industrial is aiming to expand its product line. One of the most solid indication of the determination on this issue is that MIT Accumulation Tanks and MIT boilers.

From the beginning of the Ekin Industrial's first days we pursued the philosophy of "We Have a Dream" and when we began to realize that our dreams come true and we by raising the bar all the time we never gave up pursuing the dreams that we started.



## How Accumulation Tanks Used?

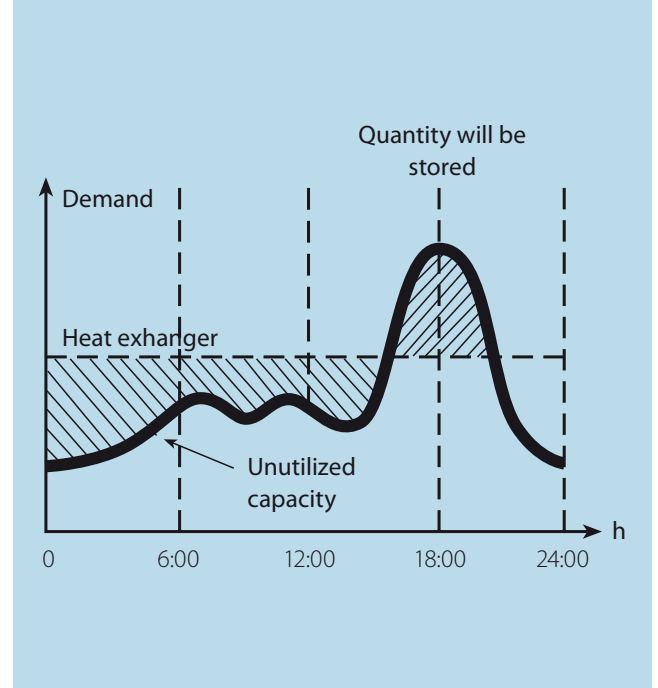
Accumulation tanks are used where public life is a matter of topic such as apartments, hotels, dormitories...etc. They are used with plate exchangers to obtain hot water for public usage.

Places like those hot water demand can reach maximum levels at certain times of day but rather than this it is below the average flow rate at other times. Because of this reason considering all taps can be opened at the same time (peak flow) an accumulation tank is needed.

### USAGE:

- Apartments
- Detached apartments
- Hospitals
- Housing
- Sport facilities
- Factories
- Public buildings

Accumulation tanks can be used everywhere hot water needs to be used.



Accumulation Tanks in different capacities from 100 lt up to 1000 lt.

### Accessories can be added depending on customer:

- Safety Valve
- Electronic control panel for accumulation tanks above 500 Liters.

Vertical and horizontal models are available.





## Why MIT Stainless Boiler and Accumulation Tank?

Boiler and accumulation tanks are hot water preparing and storing components of plumb system. These devices transfer the energy gained from hot water caldron, solar collector, heat pump.. etc. heating systems to water for preparation of hot water for public usage and storage.

### **Hygienic +Long life MIT Stainless Tanks = Problem free operation**

MIT stainless steel boilers and accumulation tanks are produced with the hygienic material that can be safely used in food sector. Boiler prevents bacteria production with its special design serpentine. With stainless steel material stored usage hot water can be used also as drinking water.

### **Can withstand very high corrosion;**

MIT stainless steel boiler and accumulation tanks are designed considering all types of corrosions. With the special ways developed by the MIT Research and Development department, galvanic and cathodic protection increased to very high levels.

### **Long Life;**

MIT stainless steel boilers and accumulation tanks have longer life time due to the difference of materials used to produce enamel and galvanized dipped boilers and also can be easily repaired and maintained.

### **Uninterrupted and smooth Operation;**

Besides MIT stainless steel boilers and accumulation tanks longer life time, maintenance and repair convenience, they also contribute to the efficient use of energy in general, provides the ideal solution for industrial installations and enables seamless trouble free operations for residential and commercial usage.

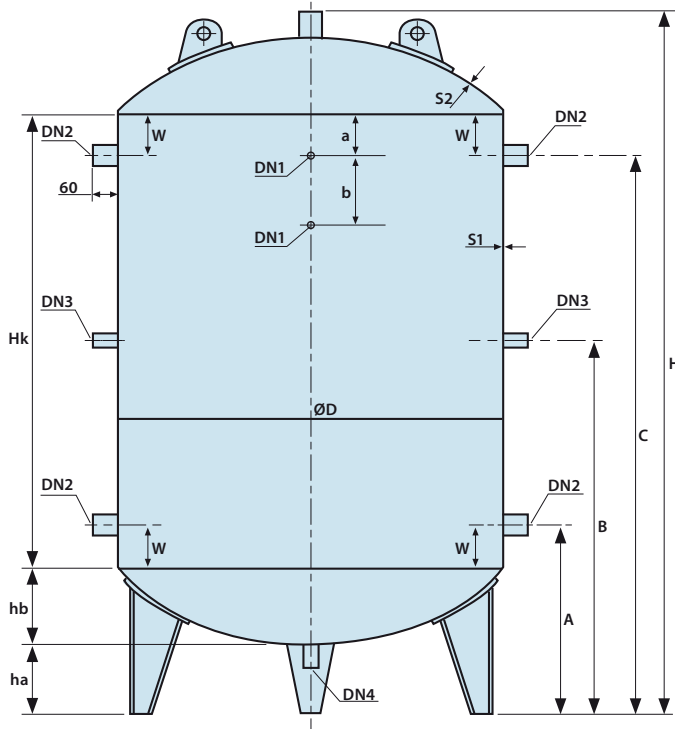


## Dimensions and Material Properties

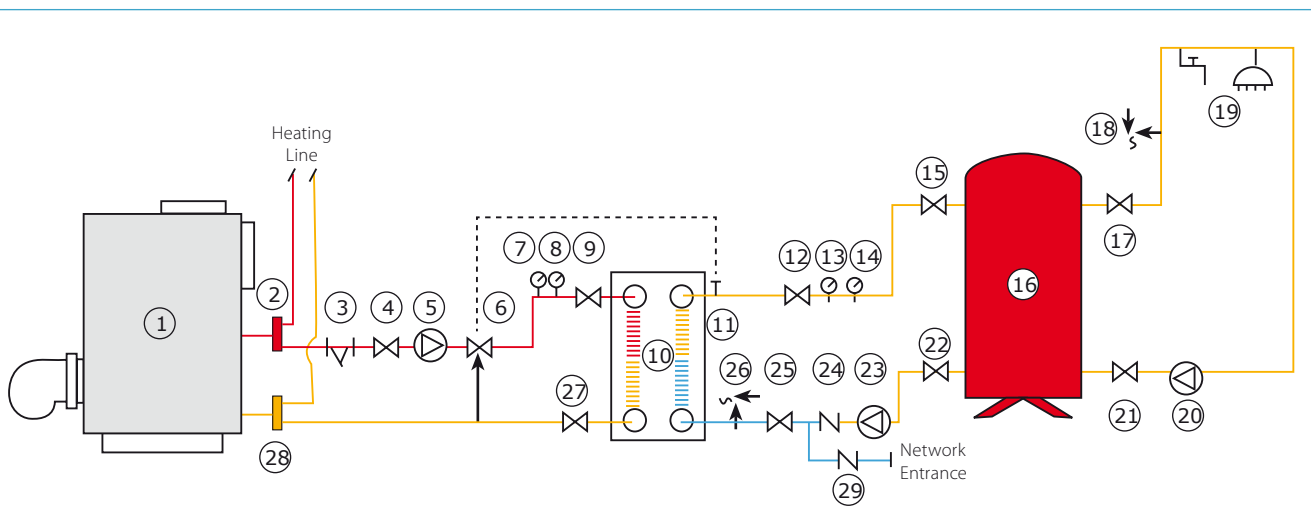
Model		MIT-SS-100	MIT-SS-160	MIT-SS-200	MIT-SS-350	MIT-SS-500	MIT-SS-600	MIT-SS-800
D	mm	400	460	475	550	650	660	780
Dpul	mm	420	500	500	700	820	820	935
A	mm	350	350	350	350	400	400	450
B	mm	650	650	750	875	925	1025	1075
C	mm	900	950	1150	1400	1450	1650	1700
H	mm	1160	1210	1410	1660	1760	1960	2010
Hk	mm	750	800	1000	1250	1250	1450	1450
hb	mm	100	100	100	120	150	150	150
ha	mm	150	150	150	150	150	150	200
w	mm	100	100	100	100	100	100	100
a	mm	100	100	100	100	100	100	100
b	mm	150	150	150	200	200	200	200
DN 1		½"	½"	½"	¾"	¾"	¾"	¾"
DN 2		1"	1"	1"	1¼"	1¼"	1¼"	1½"
DN 3		¾"	¾"	¾"	1"	1"	1"	1"
DN 4		¾"	¾"	¾"	1"	1"	1"	1"
Material		AISI 304	AISI 304	AISI 304	AISI 304	AISI 304	AISI 304	AISI 304
Coil		1"	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"
Coil Surface	m <sup>2</sup>	0,6	0,85	1,2	1,5	2	2,2	2,92
S1 Body	mm	2	2	2	3	3	3	3
S2 Camber	mm	2	2	3	3	3	3	3

Model		MIT-SS-1000	MIT-SS-1500	MIT-SS-2000	MIT-SS-2500	MIT-SS-3000	MIT-SS-4000	MIT-SS-5000
D	mm	850	1050	1050	1200	1300	1300	1500
Dpul	mm	1055	1290	1290	1500	1590	1590	1830
A	mm	500	580	570	570	600	670	680
B	mm	1100	1130	1445	1370	1425	1770	1780
C	mm	1700	1680	2320	2170	2200	2870	2880
H	mm	2060	2060	2700	2550	2610	3350	3360
Hk	mm	1500	1500	2000	1800	2000	2500	2500
hb	mm	200	220	220	220	250	320	320
ha	mm	200	260	250	250	250	250	260
w	mm	100	100	100	100	100	100	100
a	mm	100	150	150	150	150	150	150
b	mm	200	200	200	200	200	200	200
DN 1		¾"	¾"	¾"	¾"	¾"	¾"	¾"
DN 2		2"	2½"	2½"	2½"	3"	3"	3"
DN 3		1¼"	1½"	1½"	1½"	2"	2"	2"
DN 4		1¼"	1½"	1½"	1½"	2"	2"	2"
Material		AISI 304	AISI 304	AISI 304	AISI 304	AISI 304	AISI 304	AISI 304
Coil		1¼"	1¼"	1¼"	1¼"	1¼"	1½"	1½"
Coil Surface	m <sup>2</sup>	2,95	4	5	6	7	8	9
S1 Body	mm	3	4	4	4	4	4	5
S2 Camber	mm	4	4	5	5	5	6	6

## Dimensions



## Accumulation Tank Connection Schedule







## Types of Boile

### C. Satinless Steel Tanks:

**Materiale:** 304 L or 316 L

### Isolation:

- Polyuretane
- Specific Sponge
- Glass Wool
- Rock Wool

### Advantages:

- High Corrosive Resistance
- Longlife
- High Pressure Resistance
- Low Thermal Conductivity

## MIT Boiler Capacities

- Stainless.
- Cathodic protection is available.
- It is pu isolated up to 800 liters.
- It is soft pu(sponge)isolated Over 800 liters.
- Welded pipe has serpentine.
- Cleaning hole is available.
- It has thermometer on the vessel.
- Electric heater can be added in any desired size.

### Single Coil

Boiler Capacity (lt)	Temperature of Hot Water	Heating Capacity (lt/h) 10°C-60°C	Heating Capacity (lt/h) 10°C-45°C
100	90-70 °C	480	720
	80-60 °C	330	540
	70-50 °C	230	380
160	90-70 °C	875	1450
	80-60 °C	650	1160
	70-50 °C	445	820
200	90-70 °C	1070	1760
	80-60 °C	890	1320
	70-50 °C	560	1050
300	90-70 °C	1220	1940
	80-60 °C	930	1490
	70-50 °C	590	1140
350	90-70 °C	1290	2180
	80-60 °C	980	1670
	70-50 °C	635	1280
400	90-70 °C	1290	2180
	80-60 °C	980	1670
	70-50 °C	635	1280
500	90-70 °C	1510	2480
	80-60 °C	1120	1860
	70-50 °C	725	1440
600	90-70 °C	1510	2480
	80-60 °C	1120	1860
	70-50 °C	725	1440
800	90-70 °C	1760	2850
	80-60 °C	1400	2250
	70-50 °C	830	1700
1000	90-70 °C	1760	2850
	80-60 °C	1400	2250
	70-50 °C	830	1700
1500	90-70 °C	2080	3350
	80-60 °C	1640	2640
	70-50 °C	970	2000
2000	90-70 °C	2380	3750
	80-60 °C	1840	2960
	70-50 °C	1090	2230
3000	90-70 °C	3020	5820
	80-60 °C	2200	4400
	70-50 °C	1200	2810
4000	90-70 °C	4120	6870
	80-60 °C	3020	5220
	70-50 °C	1780	3790
5000	90-70 °C	5430	8750
	80-60 °C	4230	6600
	70-50 °C	2225	4880

### Double Coil

Boiler Capacity (lt)	Temperature of Hot Water	Heating Capacity (lt/h) 10°C-60°C	Heating Capacity (lt/h) 10°C-45°C
160	90-70 °C	450	740
	80-60 °C	320	560
	70-50 °C	230	390
200	90-70 °C	630	960
	80-60 °C	380	730
	70-50 °C	300	500
300	90-70 °C	780	1190
	80-60 °C	560	790
	70-50 °C	360	570
350	90-70 °C	930	1380
	80-60 °C	730	830
	70-50 °C	410	610
400	90-70 °C	930	1380
	80-60 °C	730	830
	70-50 °C	410	610
500	90-70 °C	980	1740
	80-60 °C	770	1360
	70-50 °C	440	1040
600	90-70 °C	980	1740
	80-60 °C	770	1360
	70-50 °C	440	1040
800	90-70 °C	1150	1850
	80-60 °C	930	1450
	70-50 °C	550	1100
1000	90-70 °C	1150	1850
	80-60 °C	930	1450
	70-50 °C	550	1100
1500	90-70 °C	1290	2000
	80-60 °C	980	1540
	70-50 °C	635	1180
2000	90-70 °C	1470	2380
	80-60 °C	1120	1770
	70-50 °C	725	1380
3000	90-70 °C	2100	4250
	80-60 °C	1230	3210
	70-50 °C	910	1980
4000	90-70 °C	3050	4800
	80-60 °C	1730	4010
	70-50 °C	1260	2750
5000	90-70 °C	4100	6100
	80-60 °C	2800	5100
	70-50 °C	1700	3250

80°C 90-70 Vessel    70°C 80-60 Vessel    60°C Solar Power

## Professional System Solution Center

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



+90 444 35 46

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:





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