MIT PLATE HEAT EXHANGERS

MIT, one of the most known and preferred brands of Turkey, has been continuing creating new ideas and developments to improve plate heat exchanger sector.

Ekin aims to develop its product range and the most concrete proof of this determination is MIT plate heat exchangers.

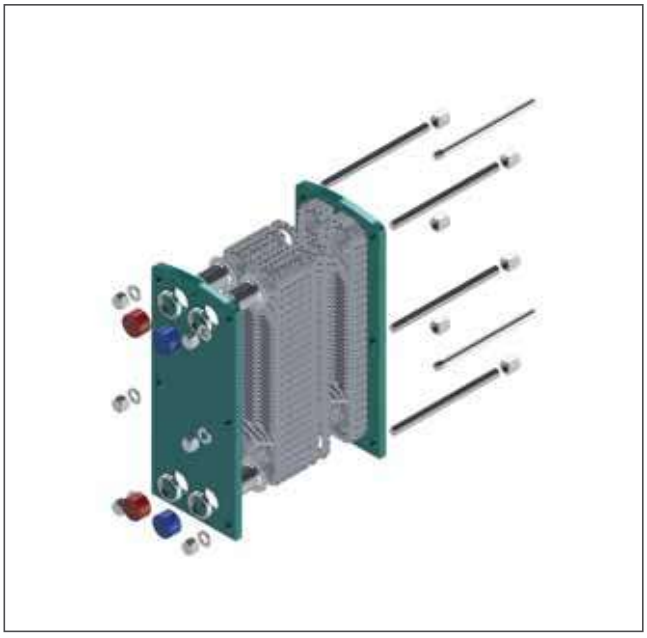
Working Principle of MIT Plate Heat Exchangers

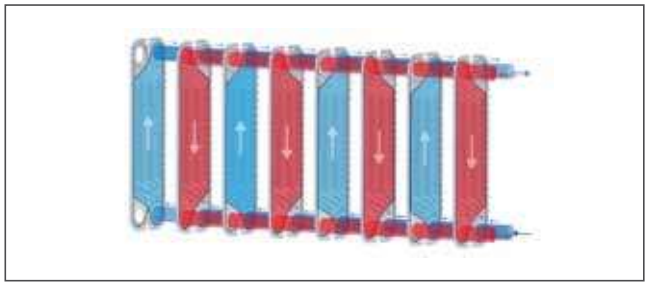
Plate heat exchangers are devices that operate according to the principle of heat transfer between two different fluids with temperature difference. Heating fluid and the fluid to be heated are completely separated by plates.

The standard plate heat exchangers have a total of four inlet-outlet ports, two of which are the inlet and outlet of the heating fluid and the other two of the fluid to be heated. It is also possible to produce heat exchangers with more than one heater or heating fluid with customized production.

Components

- Front body with input-output connections and information,
- Upper and lower carrying bar used to secure the plates,
- The first plate that prevents the liquid from contacting with the body,
- Flow plates that allow the passage of fluids and heat transfer,
- Completely closed end plate, which prevents fluid from coming into contact with the rear body,
- Rear body that can move on the bar,
- It consists of studs and knots, which ensure that the plates are kept at a certain size.





The label on the front body specifies the information of;

- Model information,
- Production number,
- Capacity information
- Maximum and minimum working temperature,
- Test and operation pressure,
- Minimum tightening size,
- Ekin contact information is available.

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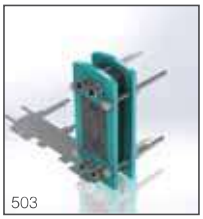
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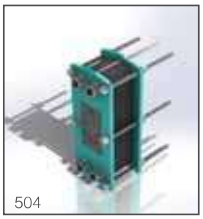
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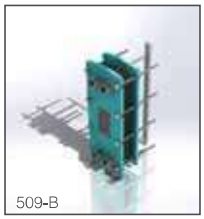
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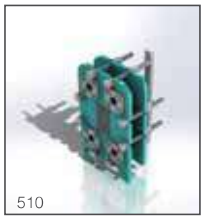
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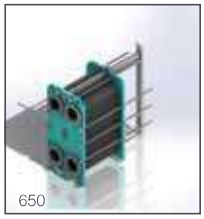
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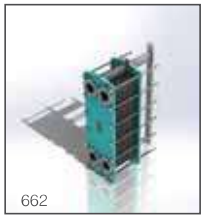
662

Model	503	504	505	508	509	510	513	514	517	520
Width (mm)	167,5	200	200	292	292	425	350	350	340	436,5
Height (mm)	397	490	490	782	782	704	942	942	1070	980
Distance Between Connections (Horizantal mm)	50	72	59,5	100	100	203	140	140	150	190
Distance Between Connections (Vertical mm)	298	383	356	546	546	380	640	640	800	608
Max. Operating Pressure (bar)	25	25	25	25	25	25	25	25	25	25
Test Operating Pressure (bar)	37,5	37,5	37,5	37,5	37,5	37,5	37,5	37,5	37,5	37,5
Connection Diameter	1" Threaded	1 1/4" Threaded	1 1/4" Threaded	2" Threaded/ Flanged	2" Threaded/ Flanged	2 1/2" Threaded/ Flanged	2" Threaded/ Flanged	2" Threaded/ Flanged	2 1/2" Threaded/ Flanged	3" Flanged

Model	521	522	523	535	547	650	662	685	6125	6180
Width (mm)	470	470	327	465	491	765	608	780	920	1190
Height (mm)	1090	1090	1292	1445	1775	1485	1830	2100	2895	2920
Distance Between Connections (Horizantal mm)	223,5	223,5	140	238	222,5	366	297	353	439	596
Distance Between Connections (Vertical mm)	718	718	1036	1070	1338	935	1292	1478	1939	1842
Max. Operating Pressure (bar)	25	25	25	25	25	25	25	25	25	25
Test Operating Pressure (bar)	37,5	37,5	37,5	37,5	37,5	37,5	37,5	37,5	37,5	37,5
Connection Diameter	4" Flanged	4" Flanged	2" Threaded/ Flanged	3" Flanged	4" Flanged	8" Flanged	6" Flanged	8" Flanged	10" Flanged	12" Flanged

Materials	
Plate Material	AISI 316, Titanium, Hastelloy
Connection Material	Carbon Steel, Stainless Steel, Plastic
Body Material	Carbon Steel, Stainless Steel
Gasket Material	EPDM, EPDM-HT, NBR, H-NBR, VITON, VITON-G