



SOLAR COLLECTORS PRODUCT CATALOGUE

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The first condition of innovation is to question. And the first condition of sustainable innovation is to question constantly.

The journey of innovation has started with a question for us too: "How can we develop value-added technologies in Turkey?". First turning point in this long journey was the birth of MIT (Made in Turkey) brand. MIT made us the first plate heat exchanger producer of Turkey and it's founding vision was not to become a local alternative, it was to build a high-quality brand that can compete on a global level.

While we are working towards this goal in the past 15 years, our products and processes deemed worthy for documentation by many national and international quality assessment institutions such as ISO, TSE, CE, GOST and many more. This was the natural outcome of our constant questioning of the status-quo and our desire to outperform ourselves.

New Generation Engineering

With our engineering approach that focuses on the process, not the problem, we do not just specialize in a product, we consider the entire ecosystem of that product. Ergo, we produce all the other components of a system in addition to plate heat exchangers and we focus on the constant development of engineering staff required to provide an end-to-end application.

We provide a "solution" rather than a product with our business development, presales, sales and after sales services provided by our expert engineers.

In our 15th year, we continue to grow as a solution partner for projects that need high technology in more than 60 countries with our internationally approved high-quality plate heat exchangers; components such as accumulation tanks, boilers, industrial pumps and installation materials that completes these exchangers to form a system; and complementary services provided by our expert engineer staff.











APPLICATION FIELDS



HEAT TRANSFER PRODUCTS

Gasketed Plate 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
 Vapour Separator 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 Standardization 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)



FLOW CONTROL UNITS

- Butterfly Valves Ball Valves Globe Valves Knife Gate Valves Actuators Check Valves Strainers
- Thermoplastic Valves Plastomatic Valves



ENERGY SYSTEMS

- Boiler Systems
- Solar Collectors
- Water Heater Tanks For Solar

Contents Solar Collectors



SOLAR THERMAL COLLECTORS

INNSUN solar collectors; are the hot water sources that have high efficiency and specific surface area. They are used for heating the water as absorbing the energy from sunshine.

INNSUN solar collectors, are used for meet the hot water requirements of houses, villas, hotels, buildings, restaurants, hospitals, swiming pools and many industrial areas like factories.

INNSUN solar collectors, which are all domestic production, provide maximum energy efficiency by means of solar technologies with their production technologies and high material quality.





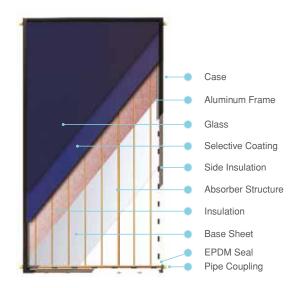
Advantages

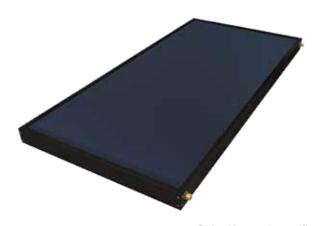
- High energy efficiency.
- Energy-saving.
- Easy assembling compact system
- Eco-friendly
- Individuality in the hot water needs.
- Low maintenance costs.





Innsun High



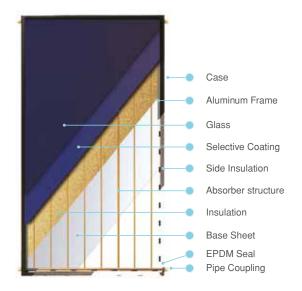


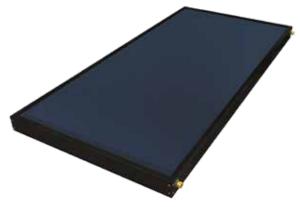
Solar Keymark certified Almeco - Tinox highly selective aluminum Rock wool insulation Copper pipe Low iron tempered glass Laser welding

TECHNICAL SPECIFICATIONS					
		Unit	High 2510	High 2108	High 1808
Technical Data	Dimensions	mm	1988x1218x90	1988x1041x90	1927x927x90
	Casing		Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case
	Weight	kg	44	37,2	34
	Gross Area	m²	2,42	2,07	1,79
	Aperture Area	m²	2,24	1,92	1,62
	Heat Carrier Volume	lt	1,27	1,07	1
Copper Tubes	Diameter Of Absorber Tube / Header Tube	mm	8 / 18	8 / 18	8 / 18
	Number Of Tubes		10	9	8
Absorber	Absorber Material		Almeco - Tinox Highly Selective Aluminum	Almeco - Tinox Highly Selective Aluminum	Almeco - Tinox Highly Selective Aluminum
	Absorptance / Emittance		%95 / %4	%95 / %4	%95 / %4
	Welding Method		Laser Welding	Laser Welding	Laser Welding
	Insulation Material		Rock Wool	Rock Wool	Rock Wool
Insulation	Density / Thickness	(kg/m³) / (mm)	50 / 40	50 / 40	50 / 40
Glass	Glass Material		Low Iron Tempered Glass	Low Iron Tempered Glass	Low Iron Tempered Glass
	Thickness Of Glass	mm	4	4	4
Maximum Rating	Stagnation Temperature	°C	194,5	194,5	194,5
	Maximum Operation Pressure	bar	8,6	8,6	8,6
	Nominal Flow Rate	lt/h	120	105	100
	Back Sheeting		Embossed - Finished - Aluminum Sheet	Embossed - Finished - Aluminum Sheet	Embossed - Finished - Aluminum Sheet
	Mounting Type		In Roof - On Roof - Flat Roof	In Roof - On Roof - Flat Roof	In Roof - On Roof - Flat Roof



Innsun Pro



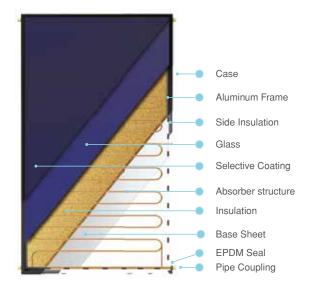


Solar Keymark certified Almeco - Tinox highly selective aluminum Copper pipe Glass wool insulationNormal iron tempered glass Laser welding

TECHNICAL SPECIFICATIONS					
		Unit	Pro 2510	Pro 2108	Pro 1808
Technical Data	Dimensions	mm	1988x1218x90	1988x1041x90	1927x927x90
	Casing		Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case
	Weight	kg	44	37,2	34
	Gross Area	m²	2,42	2,07	1,79
	Aperture Area	m²	2,24	1,92	1,62
	Heat Carrier Volume	lt	1,27	1,07	1
Copper Tubes	Diameter Of Absorber Tube / Header Tube	mm	8 / 18	8 / 18	8 / 18
	Number Of Tubes		10	9	8
	Absorber Material		Almeco - Tinox Highly Selective Aluminum	Almeco - Tinox Highly Selective Aluminum	Almeco - Tinox Highly Selective Aluminum
Absorber	Absorptance / Emittance		%95 / %3	%95 / %3	%95 / %3
	Welding Method		Laser Welding	Laser Welding	Laser Welding
	Insulation Material		Glass Wool	Glass Wool	Glass Wool
Insulation	Density / Thickness	(kg/m³) / (mm)	14 / 50	14 / 50	14 / 50
Class	Glass Material		Normal Iron Tempered Glass	Normal Iron Tempered Glass	Normal Iron Tempered Glass
Glass	Thickness Of Glass	mm	4	4	4
	Stagnation Temperature	°C	190	190	190
Maximum Rating	Maximum Operation Pressure	bar	8,6	8,6	8,6
	Nominal Flow Rate	lt/h	120	105	100
	Back Sheeting		Embossed - Finished - Aluminum Sheet	Embossed - Finished - Aluminum Sheet	Embossed - Finished - Aluminum Sheet
	Mounting Type		In Roof - On Roof - Flat Roof	In Roof - On Roof - Flat Roof	In Roof - On Roof - Flat Roof



Innsun Pro Serpantine



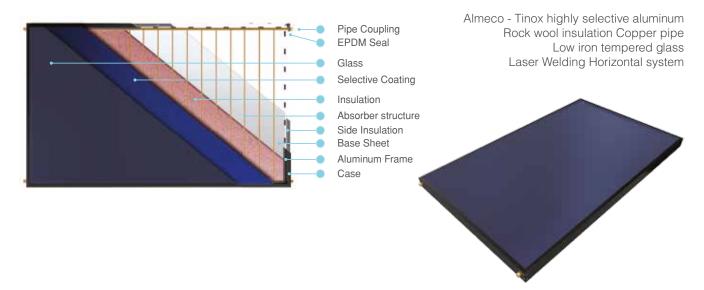


Solar Keymark certified Almeco - Tinox highly selective aluminum Rock wool insulation Copper pipe Low iron tempered glass Laser welding

TECHNICAL SPECIFICATIONS					
		Unit	Pro 2510 Coil	Pro-H 2510 Coil	
Technical Data	Dimensions	mm	1988x1218x90	1988x1218x90	
	Casing		Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case	
	Weight	kg	44	44	
	Gross Area	m²	2,42	2,42	
	Aperture Area	m²	2,24	2,24	
	Heat Carrier Volume	lt	1,27	1,27	
Copper Tubes	Diameter Of Absorber Tube / Header Tube	mm	8 / 18	8 / 18	
	Number Of Tubes		1	1	
	Absorber Material		Almeco - Highly Selective Aluminum	Almeco - Tinox Highly Selective Aluminum	
Absorber	Absorptance / Emittance		%95 / %3	%95 / %3	
	Welding Method		Laser Welding	Laser Welding	
	Insulation Material		Glass Wool	Rock Wool	
Insulation	Density / Thickness	(kg/m³) / (mm)	14 / 50	50 / 40	
Glass	Glass Material		Normal Iron Tempered Glass	Low Iron Tempered Glass	
Glass	Thickness Of Glass	mm	4	4	
	Stagnation Temperature	°C	192	192	
Maximum	Maximum Operation Pressure	bar	8,6	8,6	
Rating	Nominal Flow Rate	lt/h	120	120	
	Back Sheeting		Embossed - Finished - Aluminum Sheet	Embossed - Finished - Aluminum Sheet	
	Mounting Type		In Roof - On Roof - Flat Roof	In Roof - On Roof - Flat Roof	



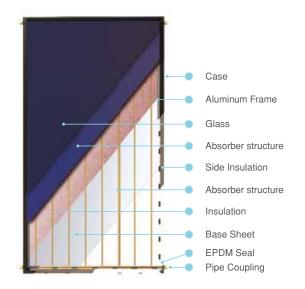
Innsun Pro Horizontal

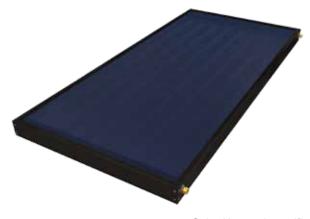


TECHNICAL SPECIFICATIONS					
		Unit	Pro 2510 Horizontal	Pro 2108 Horizontal	
Technical Data	Dimensions	mm	1218x1988x90	1041x1988x90	
	Casing		Electrostatic Painted Aluminum Case	Electrostatic Painted Aluminum Case	
	Weight	kg	44	37,2	
	Gross Area	m²	2,42	2,07	
	Aperture Area	m²	2,24	1,92	
	Heat Carrier Volume	lt	1,88	1,6	
Copper Tubes	Diameter Of Absorber Tube / Header Tube	mm	8 / 18	8 / 18	
	Number Of Tubes		17	17	
	Absorber Material		Almeco - Highly Selective Aluminum	Almeco - Tinox Highly Selective Aluminum	
Absorber	Absorptance / Emittance		%95 / %3	95% / 3%	
	Welding Method		Ultrasonic Welding	Ultrasonic Welding	
	Insulation Material		Rock Wool	Rock Wool	
Insulation	Density / Thickness	(kg/m³) / (mm)	50 / 40	50 / 40	
Glass	Glass Material		Low Iron Tempered Glass	Low Iron Tempered Glass	
Glass	Thickness Of Glass	mm	4	4	
	Stagnation Temperature	°C	232	232	
Maximum	Maximum Operation Pressure	bar	8,6	8,6	
Rating	Nominal Flow Rate	lt/h	105	105	
	Back Sheeting		Embossed - Finished - Aluminum Sheet	Embossed - Finished - Aluminum Sheet	
	Mounting Type		In Roof - On Roof - Flat Roof	In Roof - On Roof - Flat Roof	



Innsun C-High





Solar Keymark certified Almeco - Tinox highly selective copper Rock wool insulation copper pipe Low iron tempered glass Ultrasonic welding

TECHNICAL SPECIFICATIONS						
		Unit	C-High 2509			
	Dimensions	mm	2325x1041x90			
	Casing		Electrostatic Painted Aluminum Case			
Technical	Weight	kg	44			
Data	Gross Area	m²	2,42			
	Aperture Area	m²	2,24			
	Absorber Area	m²	2,23			
	Heat Carrier Volume	lt	1,27			
Copper Tubes	Diameter Of Absorber Tube / Header Tube	mm	8 / 18			
	Number Of Tubes		9			
	Absorber Material		Almeco - Tinox Highly Selective Aluminum			
Absorber	Absorptance / Emittance		%95 / %3			
	Welding Method		Ultrasonic Welding			
Insulation	Insulation Material		Rock Wool			
Ilisulation	Density / Thickness	(kg/m³) / (mm)	50 / 40			
Glass	Glass Material		Low Iron Tempered Glass			
Glass	Thickness Of Glass	mm	4			
	Stagnation Temperature	°C	194,5			
	Maximum Operation Pressure	bar	8,6			
Maximum Rating	Nominal Flow Rate	lt/h	120			
	Back Sheeting		Embossed - Finished - Aluminum Sheet			
	Mounting Type		In Roof - On Roof - Flat Roof			



THERMOSIPHON SYSTEMS

INNSUN Thermosyphon Systems; is designed for the reason of protecting humans health with using stainless steel serpantines in tanks for domestic hot water applications

INNSUN thermosyphon systems all are compact and easy-assembling systems which already designed with particular engineering calculations.

INNSUN thermosyphon systems consist of a combination of collector and a tank which has AISI 316L stainless steel flexible tube heat exchanger.

The water that is heated in stainless pipes is shown us the most hygienic state of domestic water.

Advantages

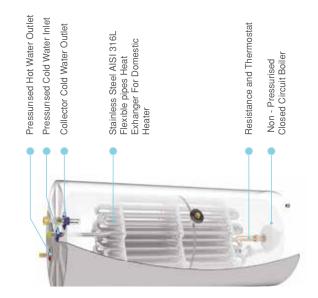
- Hygienic.
- Compact system.
- Easy-assembling complete system
- Energy-saving.
- Individuality in the hot water needs.
- Lowmaintenance costs.
- High energy efficiency.
- Eco-friendly.







Innsun Box





TECHNICAL SPECIFICATIONS						
	Unit	Box 120	Box 200	Box 300		
Capacity	lt/day	120	200	300		
Tank Working Pressure	bar	0-3	0-3	0-3		
Heat Exchanger Working Pressure	bar	2-5	2-5	2-5		
Maximum Temperature	°C	95	95	95		
Insulation		50 mm / 40 kg/m³ / Polyurethan Insulation (CFC Free)	50 mm / 40 kg/m³ / Polyurethan Insulation (CFC Free)	50 mm / 40 kg/m³ / Polyurethan Insulation (CFC Free)		
Heat Exchanger		AISI 316 L Stainless Steel	AISI 316 L Stainless Steel	AISI 316L Stainless Steel		
Boiler Final Dimensions (Length / Diameter)	mm	1115 / 540	1200 / 540	1725 / 540		
Outer Cylinder Materials		Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel	Electrostatic Powder Painted ST 37 Steel		
Boiler Net Weight		45	65	82		
		Pro 2108	Pro 2510	Pro 2108* (2 Adet)		
Dimensions	mm	1988x1041x90	1988x1218x90	1988x1041x90		
Weight kg 3		37,2	44	37,2		
Gross Area m ²		2,07	2,42	2,07		
Aperture Area m²		1,92	2,24	1,92		
Absorber Area m²		1,89	2,23	1,89		
Absorber Material		Black Aluminum	Black Aluminum	Black Aluminum		
Welding Method		Laser Welding	Laser Welding	Laser Welding		
Glass Material		Normal Iron Tempered Glass	Normal Iron Tempered Glass	Normal Iron Tempered Glass		
Insulation Material		Glass Wool	Glass Wool	Glass Wool		
Base Sheeting		Embossed - Finished - Aluminum Sheet	Embossed - Finished - Aluminum Sheet	Embossed - Finished - Aluminum Sheet		



CERTIFICATES





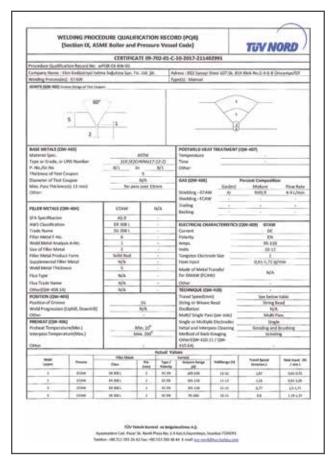














EKIN ACADEMY



A chain is only as strong as its weakest link.

Running and maintaining a quality production process that meets international standards requires focusing on quality all along the ecosystem. Maintaining this focus requires a unifying vision of constant improvement shared by all stakeholder, and a certain level of expertise for all parties involved. Ekin Academy was established with the principles of continuous development and growing together to share the knowledge and experience that will realize this vision.

We support the development of our employees with training programs that directly contribute to the results in their business processes and make a difference in their personal development. We offer technical trainings on heat transfer, pressure vessels, package systems, food systems and liquid transfer. We help them become individuals who will make a difference with our development programs that covers topics like leadership, strategy, sales and many more. In addition, we provide information regarding installation, operating, maintenance and repairs with our pre and after sales training modules prepared for our business partners and customers.

At Ekin Academy we do not solely focus on the development of our staff, partners and customers. Thanks to our university collaborations, we provide the means for future engineers to put their theoretical knowledge to use with practical applications.





We organize seminars, conferences and trainings for professional chambers, and institutions we collaborate on social responsibility projects. Because we know that only by investing in the society, the industry and the future of the industry, we can become a country known for its high-quality engineering products.



SALES TEAM

An Engineering Approach from Sales to Maintenance

We offer value added pre and after sale services with our customer satisfaction-oriented approach and deep expertise we are more than happy to share. Thanks to our expert engineers that provide proactive solutions, we focus on making a difference throughout the process, from presales to maintenance.

With our "quality product, quality service, quality solution" approach, we are more than a manufacturer and supplier, we are a highly motivated solution partner for all kinds of heating and cooling projects.





Customer Satisfaction

Our priority is to ensure customer satisfaction and protect the rights of our customers with our pre-sales processes that analyze customer needs well, quality-registered product range, expert staff and meticulous working methods.



Ethical Values

We conduct all our activities in accordance with the laws and then with ethical values. We believe in growing together and we look for mutual benefit in all our business relationships.



Privacy Policy

All your personal information shared with our company is guaranteed by our ethical values and our processes in compliance with the Law No. 6698 on Protection of Personal Data.



Information Security

All our information technology operations are protected by our information security processes, which are managed in accordance with ISO 27001 Information Security Management System requirements.



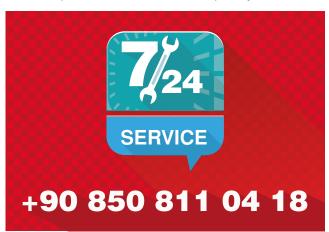
PROFESSIONAL SYSTEM SOLUTION CENTER

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, 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 +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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