

ALWAYS
ONE
STEP
AHEAD
WITH
IT'S
QUALITY

ERASLAN

www.eraslan.com.tr



We work with the
pride to export to over
50 countries



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HISTORY

Story of a Success

Süleyman Eraslan started his business by forming a modest enterprise on an area of 30 m2 in 1987. Having continued his successful operations in various fields by 1993, Süleyman Eraslan has afterwards started to produce solar energy systems, and incorporated Eraslan Güneş Enerjisi Sistemleri (Eraslan Solar Energy Systems) in 1994. Eraslan's contribution to the present position of the sector, which has brought in something new and many innovations to the sector cannot be denied even by its competitors. In 1995, Eraslan started to establish a dealership system in the neighboring cities and presented the first packet system to its dealers. Having shown due diligence to human life before its profits, Eraslan has been the first company that used 304 quality chrome steel in the solar energy systems. In our present day, chrome steel is widely used in the solar systems manufactured in Turkey, and in this manner protection of consumer's health is ensured. Having initiated its production on its first

factory built on an area of 200 m2 at Kırşehir Organized Industry Zone in 1997, Eraslan was awarded by the review of SOLARWIND with the title of "the Greatest Solar Energy Company of the Europe" by the year of 2002, as a reward of its contributions to the solar energy sector. And, in 2007 it has achieved to do exportation to 50 countries, and commissioned its second factory on an area of 6000 m2 located in Kırşehir Organized Industry Zone by making a resolution to expand in the sector of solar energy. Yet again in 2008 Eraslan used the first and only laser welding in the sector of solar energy excelling in the perfect welding points, and in 2012 set up its third factory with a closed area of 20,000 m2 and open area of 50,000 m2 which totals a great number, i.e. 70,000 m2. Eraslan continues to be the pioneer and driving power of the solar energy sector with its firsts, innovations and technological investments both in past and at present being motivated by the power you have endowed to it.



TECHNOLOGY

Sheet Metal Forming:

304 quality chrome steel sheet metal roll that comes to our factory, is sized to the required sizes with CNC controlled automatic sheet metal sizing machinery. Then we can make forming applications comfortably with CNC controlled PUCH (hole drilling) machine with high sensitivity. By using press brake automation technology to the sheet metal on which processes are done, we reach perfect and fast bending results. The sheet metals which are bent fully and with correct angles using this technology are bent more faultlessly.

Welding:

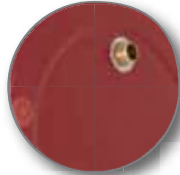
Welding operations are made with CNC controlled Cartesian robots untouched by human hands. Thus highest welding quality in each product is caught and human health is protected.

By means of CNC controlled automatic fed laser welding technology used in the collector production we can weld the aluminum surfaces faultlessly. On the other hand, the selective surfaces which are welded with the laser welding machine are 0,792 more effective according to the other welding types. This proportion provides the liquid which travels in the panel, reach a higher temperature.

The Polyurethane Line:

Via its CNC controlled polyurethane line which is the first and the unique in this sector in Turkey, 1 polyurethane tank is produced per 50 seconds without any human hand touch. Besides this by means of pre-heating and mould room , the polyurethane quality of each product becomes the same.





STARLIGHT SYSTEMS

STARLIGHT designed by ERASLAN, as sun power system with vacuum tube, works with natural circulation. Typically, it is designed for non-water cut areas and areas that does not atmospheric temperature fall under -30 centigrade degree.



24 Vacuum Tube Starlight System



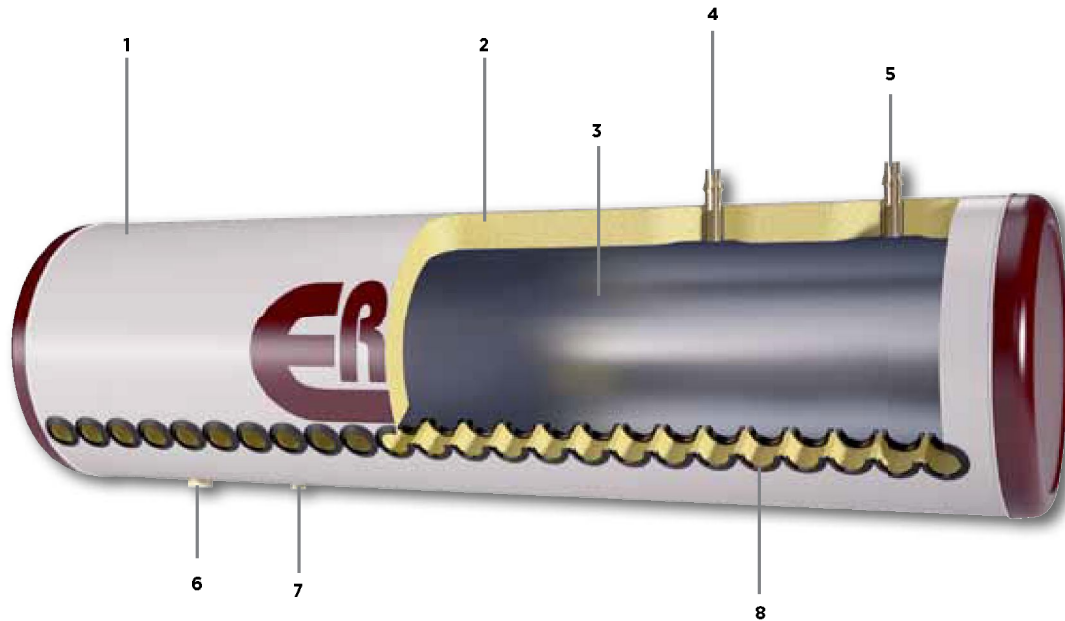
30 Vacuum Tube Starlight System

- Stainless Steel Tank
- Disassembled System Table
- Connection Elements
- Buoy
- 24 Vacuum Tube

- Stainless Steel Tank
- Disassembled System Table
- Connection Elements
- Buoy
- 30 Vacuum Tube



POLYURETHANE



- 1- Painted Plate and Chrome Steel
- 2- Polyurathane Isolation
- 3- 304 Quality Corrosion Resistant Chrome Steel
- 4- Ventilation
- 5- Cold Water Inlet Pipe
- 6- Resistance Connection Part
- 7- Hot Water Outlet Pipe
- 8- Seal

Material	24 Maxi Tank	24 Regular Tank	30 Maxi Tank	30 Regular Tank
Total Capacity (lt)	160	130	190	160
Empty Weight (kg)	23	21.8	28	26.5
Tank Size (mm)	1680 x 470	1680 x 412	2080 x 470	2080 x 412
Isolation	Polyurethane	Polyurethane	Polyurethane	Polyurethane
Internal Storage Material (mm)	50	50	50	50
Inner Tank Material	304 Quality Chrome Steel	304 Quality Chrome Steel	304 Quality Chrome Steel	304 Quality Chrome Steel
Sheath Material	Coated Sheet Steel/Chrome Steel	Coated Sheet Steel/Chrome Steel	Coated Sheet Steel/Chrome Steel	Coated Sheet Steel/Chrome Steel
Connection Elements	304 Quality Chrome Steel	304 Quality Chrome Steel	304 Quality Chrome Steel	304 Quality Chrome Steel
Cold Water Inlet Size	3/4"	3/4"	3/4"	3/4"
Hot Water Outlet Size	3/4"	3/4"	3/4"	3/4"
Vacuum Tube Size (mm)	47x1800	47x1800	47x1800	47x1800
Number Of Vacuum Tube	24	24	30	30



DAYLIGHT SYSTEMS

DAYLIGHT, working in closed circuit with the help of a pressurized natural circulation system. Especially, it was designed for non-water cut areas. It is appropriate to use in cold regions.



110 lt
Daylight Systems



170 lt
Daylight Systems



200 lt
Daylight Systems

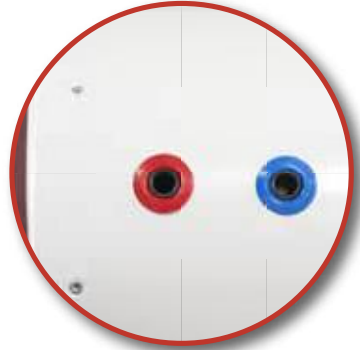


300 lt
Daylight Systems

• 110 lt Enamel Tank	• 170 lt Enamel Tank	• 200 lt Enamel Tank	• 300 lt Enamel Tank
• 1 Collectors	• 2 Collectors	• 2 Collectors	• 3 Collectors
• Dissambled Table	• Dissambled Table	• Dissambled Table	• Dissambled Table
• Connection Elements	• Connection Elements	• Connection Elements	• Connection Elements
• Expansion Tank	• Expansion Tank	• Expansion Tank	• Expansion Tank
• Air Vent 1/2	• Air Vent 1/2	• Air Vent 1/2	• Air Vent 1/2
• Securty Vent 1/2	• Securty Vent 1/2	• Securty Vent 1/2	• Securty Vent 1/2
• Check Valve 1/2	• Check Valve 1/2	• Check Valve 1/2	• Check Valve 1/2
• Male Elbow 25 mm	• Male Elbow 25 mm	• Male Elbow 25 mm	• Male Elbow 25 mm
• Male Adapter 25 mm	• Male Adapter 25 mm	• Male Adapter 25 mm	• Male Adapter 25 mm
• 3/4 Blind Flange	• 3/4 Blind Flange	• 3/4 Blind Flange	• 3/4 Blind Flange

DAYLIGHT LEA

DAYLIGHT HORIZONTAL BOILER

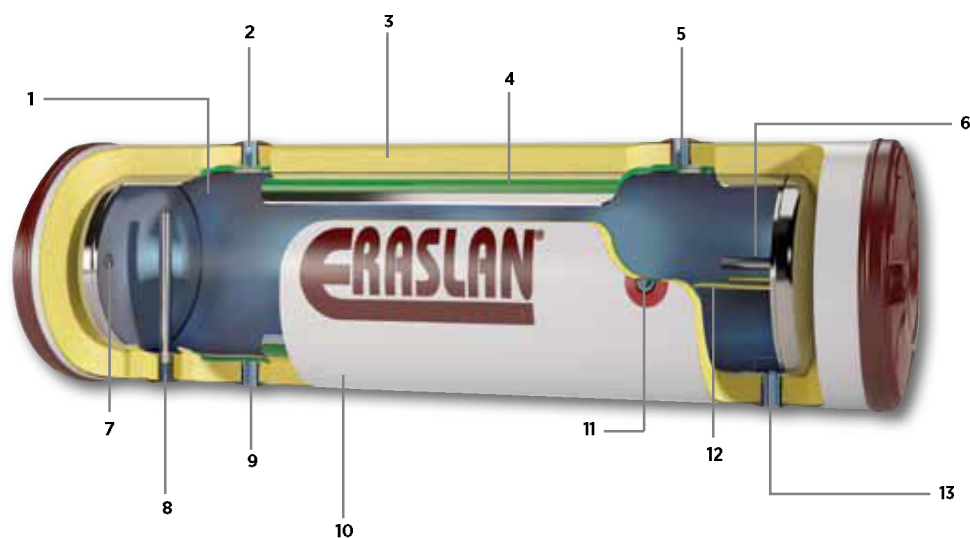


(110 lt - 300 lt)
50 mm Polyurethane
Sheet: Coated Steel

- ✓ Designed according to EN 12897.
- ✓ Steel Main Frame according to DIN EN 10111-98 Norm.
- ✓ Enamel coated internal surface according to DIN 4753.3 Norm.
 - ✓ 10 BAR / 95 C° Operating
- ✓ CFC FREE SOLID POLYURETHANE (INTENSITY 42-45 KG/M3)
 - ✓ PVC CLOSURE
- ✓ MAGNESIUM ANODE CATHODIC PROTECTION
 - ✓ ABS UPSIDE DOWN CAP
- ✓ OPTIONAL ELECTRICAL HEATER

DAYLIGHT HORIZONTAL BOILER

DAYLIGHT HORIZONTAL BOILER



MODEL	SIZE	DYL 110 LT	DYL 170 LT	DYL 200 LT	DYL 300 LT
CAPACITY	LT	110	170	200	300
DIAMETER	mm	470	550	550	550
HEIGHT	mm	1260	1310	1410	1935
WEIGHT	KG	55	68	80	110
INTERNAL TANK	mm	3	3	3	3
INSULATION THICKNESS	mm	50	50	50	50
INSULATION TYPE		PU	PU	PU	PU
TEST PRESSURE	ATU	13	13	13	13
OPERATING PRESSURE	ATU	10	10	10	10
PACKING SIZE	mm	1350X540X555	1340X605X650	1565X617X650	2077X617X650

- 1- Double Enamel Coated
- 2- Air Vent
- 3- 50 mm Polyurethane Insulation
- 4- Antifreeze
- 5- Antifreeze Ventilation
- 6- Magnesium Anode
- 7- Blind Flange
- 8- Hot Water Outlet
- 9- Collector Outlet
- 10- 0.50 mm Coated Sheet Steel
- 11- Collector Inlet
- 12- Resistance
- 13- Cold Water Inlet

Collective Systems

Collective systems are the solar energy systems producing hot water by means of boiler or plate heat exchangers and solar collectors in places with bulk hot water consumption like hotels, hostels, hospitals, swimming pools, etc.

The collective systems are the prime choice of bulk hot water consumers due they are controlled from a single center through an automatic control panel and they can be operated in coordination with the other heating systems.

At the first stage, the hot water required for the central heating systems is provided by the solar collectors. If the solar collectors are unable to provide the energy necessary for hot water, the hot water is heated through another heater employed. If the other heater is not used or insufficient, the resistance steps in, and the energy required for the hot water to be used is supplied by electricity.

In such manner, the energy required for heating the water to be used shall be provided by the most economical heater. This enables the users to use the systems at any moment economically and comfortably.

According to the insulation periods experienced within our Country in the last decade, the solar energy systems of the collective systems saves costs up to 100% in summer months and up to 70% in winter months.





MANY REFERENCE IN TURKEY AND ABROAD ;

- ✓ **Hospital**
- ✓ **Community Buildings**
- ✓ **Military**
- ✓ **Restaurant**
- ✓ **Prison**
- ✓ **Dormitory**
- ✓ **Factory**
- ✓ **Swimming Pool**
- ✓ **Social Foundation - Complex**
- ✓ **Hotel**
- ✓ **Public Bath**



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ERASLANLAR SAN. TİC. LTD. ŞTİ.

O.S.B. Aşıkpaşa Cad. No: 13 Kırşehir / TURKEY

+90 386 272 10 70 (pbx) +90 386 272 10 79 export@eraslan.com.tr

www.eraslan.com.tr

444 80 40

7PUNTO
www.7punto.com