

In the **Top 10** in efficiency  
of flat plate collectors worldwide

$n_{col} = 67\%$

ACCORDING TO

EN12975

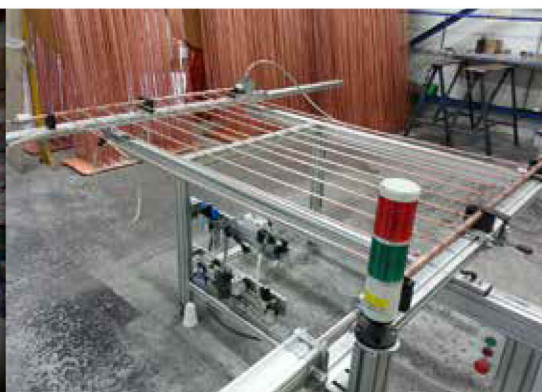


*The best value for money  
in worldwide Solar-Thermal market*



## BOILER PRODUCTION

The solar water heaters of ANDRIANOS is available with boiler of 120lt or 160lt or 200lt or 300lt or 500lt, combined with certified solar collectors according to EN 12975 SOLAR KEY MARK and ISO 9806:2013 and the manufacturing plant is certified according to ISO 9001:2015.





## The solar water heaters of ANDRIANOS have the following 14 advantages:

1. Premium collector: The No1 flat selective collector in performance (ncol = 67%) in Greece according to EN 12975 and among the TOP10 worldwide (ncol = 63%) according to ISO 9806:2013.
2. They have an optimal cost / performance ratio.
3. Insulation of collectors 40mm.
4. Close loop boiler with double enameled water storage tank.
5. Water storage tank: Consists of hot rolled steel, 3mm thick for maximum resistance.
6. Thermal insulation of boiler high-density  $>50\text{kg/m}^3$  for better insulation resulting in greater performance.
7. They have a selective absorber with a high performance PVD coating for quick high temperature production.
8. Water frame entirely made of copper.
9. Safety glass contains low iron.
10. All connections are on the side for easy on-roof (tiles) installation.
11. High quality, recyclable materials that are durable and environment friendly.
12. They achieve maximum heat transfer between the copper water frame and the absorbent surface due to laser welding technology.
13. They have high-strength support bases that can be easily installed on flat or roof tiled surfaces.
14. Ideal for an easy and safe installation due to the high-quality components.



ANDRIANOS SOLAR COLLECTORS PREMIUM TECHNICAL SPECIFICATIONS				
	1,50m <sup>2</sup>	2,00m <sup>2</sup> (K)	2,37m <sup>2</sup> (K)	2,72m <sup>2</sup> (K)
Total Surfacem <sup>2</sup>	1,50m <sup>2</sup>	2,00 m <sup>2</sup>	2,37 m <sup>2</sup>	2,72 m <sup>2</sup>
Height x Width x Thicknessmm	1480x1010x86	1980x1010x86	1930x1230x86	2160x1260x86
Weight (empty) Kq	27,8	36,2	43	48
Maximum operating pressure / Stagnation temperature(ISO 12975)	10bar / 231,09°C			
Absorber surface m <sup>2</sup>	1,38	1,86	2,23	2,57
Thermal liquid capacity lt	1,23	1,42	1,70	1,85
Absorbing surface material / Absorber treatment	Alumimum Sheet of thickness 0,5mm / PVD High selective ( $\alpha=95\%$ , $\epsilon=5\%$ )			
Guarantee	10 years			

AND-SOLAR BOILER TECHNICAL SPECIFICATIONS					
Type	120	160	200	300	500
Capacity	117lt	156lt	197lt	286lt	468lt
Dimensions (Diameter x Width) (mm)	580x916	580x1116	580x1356	696x2120	700x2120
Heat exchanger capacity	8,6lt	12,9lt	18,3lt	25,8 lt	30 lt
Heat exchanger surface	0,62m <sup>2</sup>	0,91m <sup>2</sup>	1,28m <sup>2</sup>	1,79m <sup>2</sup>	2,1m <sup>2</sup>
Thermal Insulation	Polyurethane				
Weight (empty)	54,9Kg	66,8Kg	81,8Kg	114,5Kg	159,5Kg
Max working temperature / Max operating pressure / Factory Pressure Test	99°C/10bar/15bar				
Energy Class	C				
Guarantee	10 years				

ANDRIANOS THERMOSIPHONIC SYSTEMS -TECHNICAL SPECIFICATIONS								
	120/200	160/237	160/272	200/237	200/272	200/300	300/474	500/600
Capacity	117lt	156lt	156lt	197lt	197lt	197lt	286lt	468lt
Number of collectors	1	1	1	1	1	2	2	3
Area / Collector	2,00	2,37	2,72	2,37	2,72	1,50	2,37	2,00
Total Collectors Area	2,00	2,37	2,72	2,37	2,72	3,00	4,74	6,00
Guarantee collectors/ boiler	10 years							



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**ACCORDING TO**  
**EN12975**

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**ACCORDING TO**  
**ISO 9806:2013**

**TÜV**  
**AUSTRIA**  
**HELLAS**  
 EN ISO 9001:2015  
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