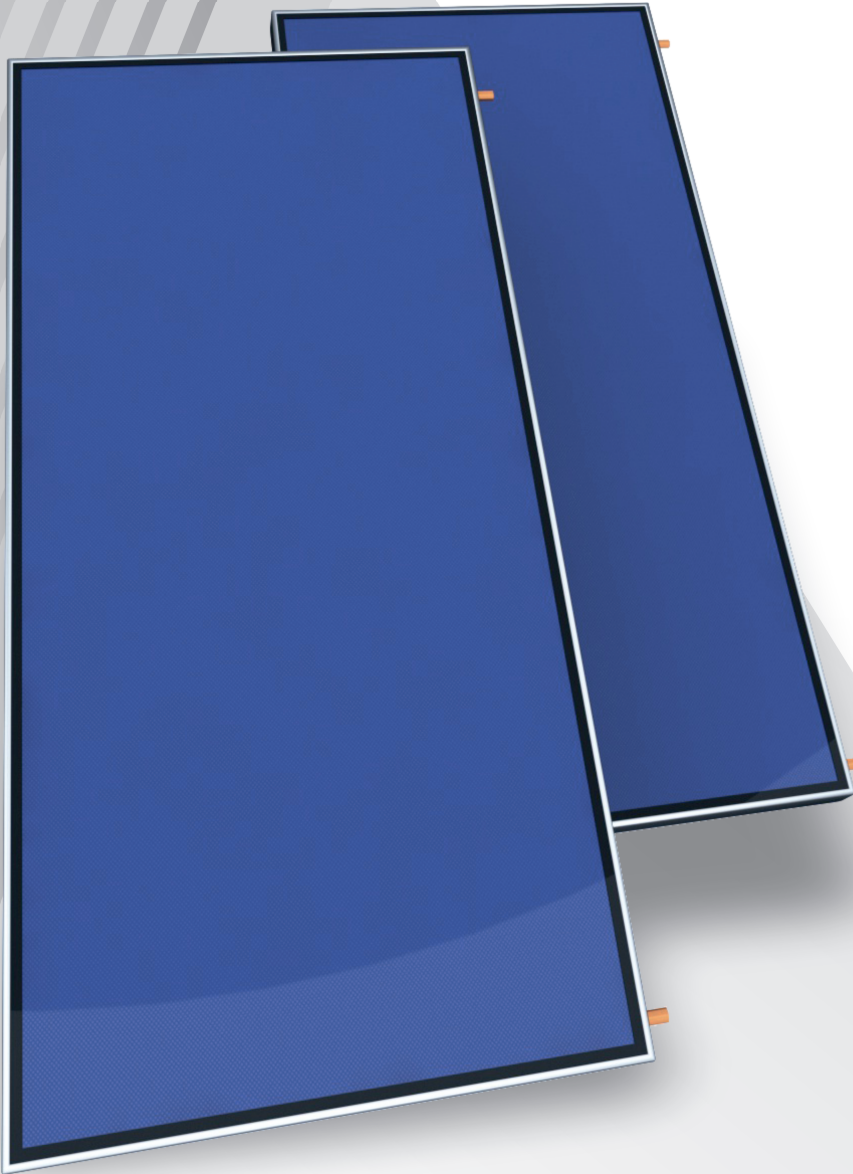




Lato **s.a.**

Solar Collectors

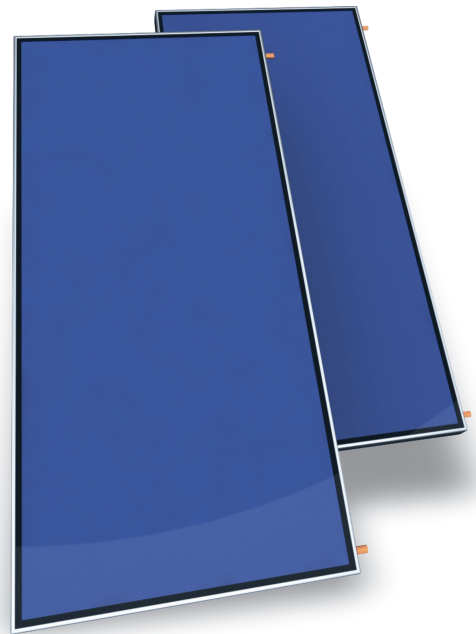


**TECHNICAL
SPECIFICATIONS**

DESCRIPTION

Collectors are designed for a wide range of uses:

- Hydraulic circuit for forced circulation systems
- For: ISWH, SECS, thermosiphon
- High resistance to snow and wind loads
- High insulation of 40mm rockwool

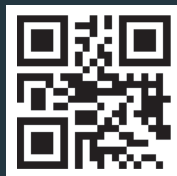


SPECIFICATIONS	MODEL						
	1,00x1,50	1,30x1,50	1,00x2,00	1,90x1,20	1,25x2,00	1,20x2,30	1,45x2,00
Dimensions (mm)	1503x1007x87	1503x1305x87	2006x1007x87	1893x1183x87	2033x1266x102	2261x1183x87	2006x1457x87
Cross area (m ²)	1,51	1,96	2,02	2,25	2,53	2,66	2,92
Net area (m ²)	1,35	1,79	1,83	2,03	2,3	2,43	2,71
Net weight (kg)	27	35	35	36	37	45	47
Liquid content (liters)	1,3	1,5	1,6	1,8	1,9	2	2,1
Absorber type	Selective aluminium laser welded on CU tubes						
Absorber coating	Highly selective PVD Coating Technology						
Absorptance / Emittance	95% / 5% + / -2%						
Collector connection	2-4 outlets Φ22						
Nominal pressure loss	60 mbar (low conditions:30 mbar,water/propyleneglycol 20°C)						
Covering	Low iron,tempered safety glass 3,2 mm						
Transmission of covering	95%						
Impact resistance of covering	Impact resistance tests following EN12975-2						
Insulation	40 mm rock wool						
Frame collector	Anodised aluminium						
Angle of inclination	10° to 90°						
Recommended heat transfer fluid	Antifreeze mix based on propyleneglycol						
Efficiency η ₀	77,20%						
Heat loss coefficient a ₁	a1:3,53W/(m ² .K)	a1:3,53W/(m ² .K)	a1:3,53W/(m ² .K)	a1:3,53W/(m ² .K)	a1:3,53W/(m ² .K)	a1:3,53W/(m ² .K)	a1:3,53W/(m ² .K)
Heat loss coefficient a ₂	a2:0,007W/(m ² .K ²)	a2:0,007W/(m ² .K ²)	a2:0,007W/(m ² .K ²)	a2:0,007W/(m ² .K ²)	a2:0,007W/(m ² .K ²)	a2:0,007W/(m ² .K ²)	a2:0,007W/(m ² .K ²)
Max stagnation temperature	199°C						
Max operation pressure (bar)	6						
Permissible wind load	3kN/m ² negative pression (3000Pa)						
Permissible snow load	3kN/m ² positive pression (3000Pa)						



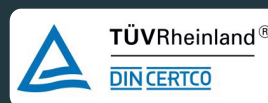
THESSALONIKI INDUSTRIAL AREA
P.O. BOX: 33550
P.C.: 56310, ACHIALOS
GREECE

T: +30 2310 710 151-152
+30 2310 710019
F: +30 2310 710150



> info@lato.com.gr > www.lato.com.gr

Certifications



Warranty:
10 years



MADE IN
GREECE