



SOLAR WATER HEATING SYSTEM

10
YEAR
WARRANTY
for the
SOLAR
COLLECTOR

5
YEAR
WARRANTY
for the
SOLAR
TANK

Product Benefits

- High efficiency resulting in high energy saving
- Eco friendly (zero emissions)
- Long service life and minimum maintenance requirements
- Easy transport and quick installation
- Mounting structure and accessory kits are included
- Original equipment manufacturer (OEM)





Tank Specifications

Inner tank material	DCP steel sheet. Thickness 2,5 mm for tank body (EN 10130/2006)					
	DCP steel sheet. Thickness 1,5 mm for jacket type heat exchanger (EN 10130/2006)					
Anticorrosion protection	Internal glass enamel layer (DIN 4753-3) processed at 870o C. Certified material for use with potable water (DIN 51032 & EN 1388-2) Magnesium anode rod protection DIN124382.2					
Welding Type	Metal Inert Gas MIG welding					
Insulation	Hard Polyurethane Foam density 45kg/m3 (DIN 53420), self extinguishing (DIN 4102)					
Back-up heating element	Electric from 1,5 up to 4 kW (according to order)					
External Cover material	Pre-painted galvanised steel sheet 0,5mm (EN 10204)					
Working pressure max	10 bar (tank) tested at 16 bar (EN-12976-2/2006) 3 bar (exchanger) tested at 6 bar (EN 12976-2/2006)					
Working temperature max	95 °C					
	120ltr	150ltr	160ltr	200ltr	250ltr	300L
Actual Capacity [ltr]	110	136	154	190	230	276
Tank Length [mm]	1075	1275	1275	1275	1615	1775
Tank (Inner) Diameter [mm]	Ø400	Ø400	Ø440	Ø480	Ø480	Ø480
Tank (Outer) Diameter [mm]	Ø500	Ø500	Ø540	Ø580	Ø580	Ø580
Jacket Type Exchanger Surface [m ²]	0,625	0,625	0,74	0,78	1,19	1,52
Jacket Type Exchanger Capacity [ltr]	6,6	6,6	7,5	7,8	9,9	15,5
Inspection Flange Diameter [mm]	Ø140	Ø140	Ø140	Ø140	Ø140	Ø140

Indicative technical data of Solar Collector

Collector type	Type 15	Type 17	Type 19	Type 20	Type 23	Type 25	Type 27	Type 29
Overall area [m ²]	1.51	1.68	1.96	2.02	2.24	2.52	2.67	2.92
Absorber area [m ²]	1.35	1.51	1.79	1.83	2.03	2.33	2.43	2.71
L x W x H [mm]	1503x1007x103	1420x1183x103	1503x1305x103	2006x1007x103	1893x1183x103	2006x1257x103	2261x1183x103	2006x1457x103
Weight [Kg]	25	27	32	33	37	41	43	46
Absorption [%]	95							
Emission [%]	5							



11.000m² production facilities

500.000m² annual capacity

42 years of experience

2nd km Argos-Nafplio | 21200, Argos, Greece

tel: +30 27510 20920-2

sales@dimas-solar.gr

www.dimas-solar.gr