

MARK4

The New Generation of solar systems



DESIGN

DURABILITY

EFFICIENCY

Calpak has always prided itself on being an innovator in the field of solar energy. Calpak was the pioneer in Europe in introducing and publicizing the tremendous benefits of solar energy. Today, Calpak remains at the forefront of the industry, servicing solar thermal requirements on a global basis.



We secure raw materials of the highest quality, while continuing to invest in both the latest technology and our state of the art production facilities in order to maximize the performance of every new generation product we create.

We are proud to introduce our latest innovation, the Mark 4 thermosyphonic system. The Mark4 model has a novel design that centers on efficiency and value for money – issues; it produces exceptional performance and consequently enhanced financial savings for you

MARK4



	160/2,1	160/2,6	200/2,1	200/2,6H	200/3	300/3H	300/4,2
Number of persons:	3-4	4-5	4-5	4-5	5-6	6-7	7-8

Collector

Gross / Aperture area [m²]	2,13 / 1,96	2,64 / 2,44	2,13 / 1,96	2,64 / 2,44	3,06 / 2,85	3,06 / 2,85	4,26 / 3,92
Absorber surface treatment	High selective (TINOX) with copper harp (1 copper tube per 10cm)						
Absorber welding	Ultrasonic						
Absorption coefficient	a>95%						
Emission coefficient	e<3,5%						
Casing material	Double-wall electrostatically painted aluminium						
Insulation	Rock wool of 50kg/m³ density and 40mm thickness						
Glass cover	Tempered 3,2mm – low iron (>91,5%)						
Collector production method	Compressed aluminium frame						
Thermal losses coefficient	a1 = 3,56						
Output power (G=1000 W/m², Δt=10K)	1399 W	1744 W	1399W	1744 W	2040 W	2040 W	2798 W
Certification	Solar KeyMark, SRCC						

Tank

Volume (L)	155,9	155,9	201,7	201,7	201,7	275,1	275,1
Inner tank design	By Interdomo (with deep side cups and internal welding that ensure perfect enameling)						
Tank/heat exchanger material	DC-03 2,5mm steel / DC-03 1,5mm steel (DIN 10130)						
Welding method	Robotized with double quality control at 15 bar						
Corrosion protection	Direct enameling (DIN 4753/3)						
Cathodic protection	Magnesium bar (DIN 4753/6)						
Anti-Frost protection	Propylene glycol Calpak Nox						
Insulation	Injected PU foam without CFC (43 kg/m³ density and 50mm thickness)						
Accessories included	Inox flange with electric immersion heater 3,5 Kw, safety and non-return valve, venting valve						
Connecting pipes	Inox flexible pipes 316L DN16 with threads of ¾" at 30° inclination for improved jet						
Connection with diesel/gas burner	With an additional integrated heat exchanger (Trien models)						
Flat / inclined roof support material	Aluminium / Galvanised steel						
Certification	email (enamel quality mark), ROHS (hygienic DHW), CE						

Dimensions

Height-Width-Length (mm)	1700, 1684, 1230	1989, 1977, 1230	1700, 1684, 1530	1450, 1350, 2200	1911, 1896, 1500	1600, 1500, 2100	1700, 1684, 2460
--------------------------	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------

