

Technological Developments

Despite the crisis Calpak continues to invest in the automation of the production. The new equipment that is placed in our production line is the automatic forming and drilling of the aluminum frame of the flat plate collector. The new line consists of:

- a. Storage capacity of the unformed aluminum profiles of around 30 items
- b. Mechanism of unwrapping and placing the EPDM sealing gasket
- c. Transmission system with servo motor and a V cutting station
- d. Special table for the angulation and connection of the frame.
- e. Special table for drilling the ready frame in different places depending on the different absorbers that are placed inside.

The productivity of the line is around 2,5 min per frame.



Real Quality: our competitive advantage



Calpak proudly presents the new Mark3 and Giga ns thermosiphonic lines!

Our continuous effort to improve all our products has resulted this time to the renovated thermosiphonic systems of the Mark3 and Giga ns lines.

Except from the obvious external and aesthetical interventions, such as the side caps that were awarded for their excellent design, the new Mark 3 line has numerous substantial quality improvements; the most important have to do with the unobstructed thermosiphonic flow. For that, after extensive laboratory testing, adjustments have been

made to the width of the jacket, the diameter of the connecting pipes & the positioning of the inlets and the outlets. Moreover, insulation of the connecting pipes and flange of the tank has been improved, transparency of the solar glasses has increased and packaging has been strengthened.

Our solar water tank has passed successfully all tests for the latest CE Marking and EN 60335-2-21 & EN 12897 certifications. Besides, our thermosiphonic systems are now ranking among the best in terms of efficiency according to the EN 12976. Of course all our collectors used for these systems are Solar Keymark certified (according to EN 12975).

Furthermore our Giga ns line has been enriched with the popular 160/240GAH model (160 lt tank with one horizontal 2,4 m² flat plate, laser welder, PU insulated, selective collector).

Calpak News: ENERGY MARK

As an indication of CALPAK's strong commitment in designing and manufacturing certified high performance products we are glad to present to you the revolutionary Energy Classification that ELOT (*Hellenic Organization of Standardization*) introduced and CALPAK was again the pioneer that had its products tested and was able to qualify for this kind of demanding test.

This new ENERGY MARK complies with the prerequisites of the EN 12976 - 1 & 2 which is further extended by ELOT to include also a categorization of 1 to 4 Suns. Similar to the energy classification of electrical appliances where A+ is proven to consume the least energy, our products were eligible to be measured in Demokritos Solar Laboratory and achieve very high scores in Energy output.

In this way once again CALPAK premanufactured solar thermal systems fulfilled your and our expectations to be best value for money with the longer life expectancy. For your information we mention that one of our systems, our forced circulation system 300BL2/4GA with two 200GA high quality full plate, laser welded selective collectors and one 300lt enameled tank produced 841Kwh/m² achieving the top rate which is 4 Suns.

As a result next time you will ask for a Greek Solar thermal system we invite you to ask for its Energy Mark as well. By doing so, you will avoid being misled and choosing a system with low performance which practically will never be really amortized as an investment. On the other hand with a CALPAK premanufactured solar thermal system not only your investment is guaranteed and certified but also the results will be more than obvious in your next energy bill.

Visit us at the Big 5 Show in Dubai!

23-26 November 2009

