



**NATIONAL CENTRE FOR SCIENTIFIC RESEARCH
"DEMOKRITOS"
INSTITUTE OF NUCLEAR TECHNOLOGY - RADIATION PROTECTION**

SOLAR AND OTHER ENERGY SYSTEMS LABORATORY

Director: Dr. V. Belessiotis

email : beles@ipta.demokritos.gr

Date : 08/09/2011

Ref. No. : SESL/654

Taking into consideration:

- 1) The "Specific CEN Keymark Scheme Rules for Solar Thermal Products" as implemented in the Version 11.04 – December 2009 and the relative ANNEX D "SOLAR KEYMARK SYSTEM FAMILIES" of the same document.
- 2) The EN 12976-2: Thermal solar systems and components - Factory made systems - Part 2: Test Methods" Standard

We certify that the Domestic Hot Water Solar System manufactured by the company "COSMOSOLAR" having the brand name "EGLK 250/4,10" and tested according to the aforementioned EN Standard can be considered as "medium system configuration", having the ratio of collector aperture area to total store volume closest to the average value of this ratio calculated for all configurations in the family, and therefore is the representative member of the whole **EGLK** Domestic Hot Water Solar System family.

The **EGLK** Domestic Hot Water Solar System family consists of the systems having the following brand names:

EGLK 120/1,89

Storage tank volume: 107lt

Aperture area of the EPI 12 solar collector: 1.613m²

EGLK 120/2,05

Storage tank volume: 107lt

Aperture area of EPI 20 solar collector: 1.768 m²

EGLK 160/2,05

Storage tank volume: 149lt

Aperture area of the EPI 25 solar collector: 1.768 m²

EGLK 160/2,30

Storage tank volume: 149lt

Aperture area of the EPI 16 solar collector: 1.995 m²

EGLK 160/2,58

Storage tank volume: 149lt

Aperture area of the EPI 54 solar collector: 2.26 m²

EGLK 160/3,10

Storage tank volume: 149lt

Aperture area of the 2 EPI 20 solar collectors: 2 x 1.303 m²

EGLK 200/2,30

Storage tank volume: 186lt

Aperture area of the EPI 16 solar collector: 1.995 m²

EGLK 200/2,58

Storage tank volume: 186lt

Aperture area of the EPI 54 solar collector: 2.26 m²

EGLK 200/3,10

Storage tank volume: 186lt

Aperture area of the 2 EPI 20 solar collectors: 2 x 1.303 m²

EGLK 200/4,10

Storage tank volume: 186lt

Aperture area of the 2 EPI 25 solar collectors: 2 x 1.768 m²

EGLK 250/4,10

Storage tank volume: 245lt

Aperture area of the 2 EPI 25 solar collectors: 2 x 1.768 m²

EGLK 300/4,10

Storage tank volume: 290lt

Aperture area of the 2 EPI 25 solar collectors: 2 x 1.768 m²

EGLK 300/4,60

Storage tank volume: 290lt

Aperture area of the 2 EPI 16 solar collectors: 2 x 1.995 m²

Director of the Laboratory

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- 2) The EN 12976-2: "Thermal solar systems and components - Factory made systems - Part 2: Test Methods" Standard

We certify that the Domestic Hot Water Solar System manufactured by the company "COSMOSOLAR" having the brand name "GLK 250/4,10" and tested according to the aforementioned EN Standard can be considered as "medium system configuration", having the ratio of collector aperture area to total store volume closest to the average value of this ratio calculated for all configurations in the family, and therefore is the representative member of the whole **GLK** Domestic Hot Water Solar System family.

The **GLK** Domestic Hot Water Solar System family consists of the systems having the following brand names:

GLK 120/1,89

Storage tank volume: 107lt

Aperture area of the MNE 04 solar collector: 1.613m²

GLK 120/2,05

Storage tank volume: 107lt

Aperture area of MNE 20 solar collector: 1.768 m²

GLK 160/2,30

Storage tank volume: 149lt

Aperture area of the MNE 01 solar collector: 1.995 m²

GLK 160/2,58

Storage tank volume: 149lt

Aperture area of the MNE 03 solar collector: 2.26 m²

GLK 160/3,10

Storage tank volume: 149lt

Aperture area of the 2 MNE 16 solar collectors: 1.303 m²

GLK 200/2,30

Storage tank volume: 186lt

Aperture area of the MNE 01 solar collector: 1.995 m²

GLK 200/2,58

Storage tank volume: 186lt

Aperture area of the MNE 03 solar collector: 2.26 m²**GLK 200/3,10**

Storage tank volume: 186lt

Aperture area of the 2 MNE 16 solar collectors: 2 x 1.303 m²**GLK 200/4,10**

Storage tank volume: 186lt

Aperture area of the 2 MNE 20 solar collectors: 2 x 1.768 m²**GLK 250/4,10**

Storage tank volume: 245lt

Aperture area of the 2 MNE 20 solar collectors: 2 x 1.768 m²**GLK 250/4,60**

Storage tank volume: 245lt

Aperture area of the 2 MNE 01 solar collectors: 2 x 1.995 m²**GLK 300/4,10**

Storage tank volume: 290lt

Aperture area of the 2 MNE 20 solar collectors: 2 x 1.768 m²**GLK 300/4,60**

Storage tank volume: 290lt

Aperture area of the 2 MNE 01 solar collectors: 2 x 1.995 m²**Director of the Laboratory**

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