www.cistaenergie.cz

STROJÍRNY BOHDALICE

ECON

SOLAR COLLECTOR EKS3000 HIGHLY EFFICIENT

- for hot water supply, swimming pool and space heating
- ultimate product for various applications
- suitable for roof integration or free mounting

30 years of experience in building collectors

Highest quality

10 years warranty

30 years lifetime

Reliable operation

Did you know that ...

- you only need 1.5 m^2 of EKS collector area per person to cover up to 80 % of the yearly heating demand for hot water?
- you only need about 30 % of the swimming pool surface as EKS collector area to extend a swimming season for more than 2 months?
- EKS collectors are very efficient when used for space heating and are able to bring 30 % of energy savings per year?

Strojírny Bohdalice, a.s., CZ-683 41 Bohdalice, phone: +420 517 326 621, fax: +420 517 326 650, e-mail: sales@bohdalice.cz, www.cistaenergie.cz

www.cistaenergie.cz

STROJÍRNY BOHDALICE

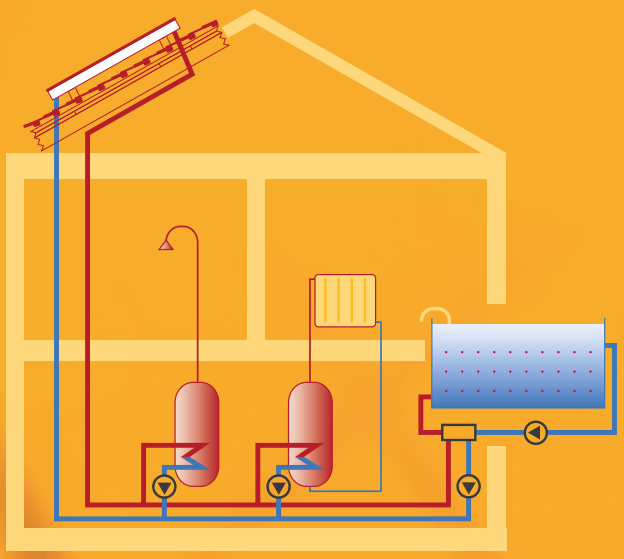
ECON

EKS COLLECTORS FOR HOT WATER, SPACE AND SWIMMING POOL HEATING

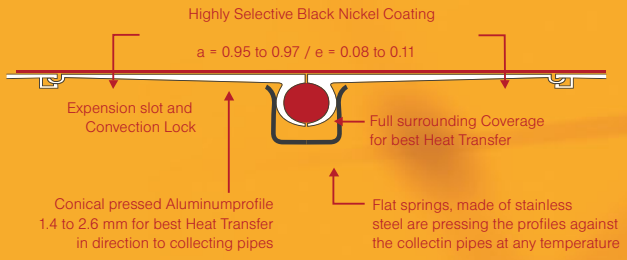
For heating domestic water there are approx. 1.5 m² of collector area and approx. 100 l of storage volume required per person.

For space heating one needs approx. 25% of the heated living area as collector area. It is recommended to additionally install a buffer tank with a volume of 1 000 to 3 000 l.

For swimming pool heating a collector area of approx. 30% of the water surface is recommended.

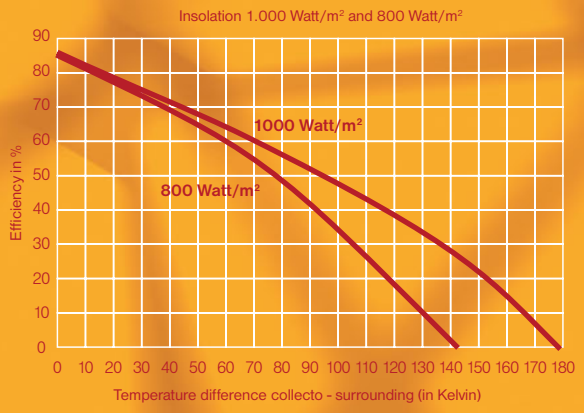


THE ABSORBER



The secret for the excellent efficiency of the EKS solar collectors lies in the unique system of the absorbers with their conical pressed aluminium profiles, their spring loaded covers for the copper tubes and their lock against air convection. Therefore the maximum efficiency is approximately 87 %, in relation to the absorber area.

EFFICIENCY CURVES IN ELATION TO ABSORBER AREA



Technical Data

Measures	2 329 x 1 053 x 110 mm	**Heat loss coefficient (a2)**	0.0149 W / m² K
Collector area	2.459 m²	**Light absorption (α)**	0.95 to 0.97
Insolation area	2.355 m²	**Heat emission (ε)**	0.05 to 0.15
Absorber area	2.121 m²	**Heat transfer media**	50% glycol : 50% water
Installation width EKS3000	1 077 mm	**Maximum operating pressure**	10 bars
Weight EKS3000	55 kg	**Optimum flow of fluid**	40 l to 60 l / h / m²
Fluid volume EKS3000	1.40 l	**Max. efficiency (η0)**	0.87 (f-Absorber)
Pressure drop	1.5 m water at 120 l/h	**Absorbermaterial**	Aluminium
Isolation	75 mm	**Absorbercoating**	Highly selective struct. Filter
Stagnation temperature	> 200°C	**Glazing**	Tempered solar glass
Heat loss coefficient (a1)	3,58 W / m² K	**Housing**	Deep drawn aluminium tub

Manufacturer:
Strojírny Bohdalice, a.s., Bohdalice 63, CZ-683 41 Bohdalice
phone: +420 517 326 621 / 33 / 28, fax: + 420 517 326 650, e-mail: sales@bohdalice.cz
www.bohdalice.cz

Local Dealer: