

## SOLAR HEATER OF THE RAISED PRODUCTIVITY



*The water solar heater consists from thermal isolated case, solar energy absorber, transparent protection with a sealant and covers - reflectors. The absorber is executed in the form of layer from the polymeric pipes connected on end faces with collectors bringing and taking away water.*

*The cover - reflector increases capacity of solar irradiation and protects a transparent protection from damage by a hailstones. The water solar heater of flowing type is intended for work in system of hot water supply of low pressure.*

*The size 1900x800x150 mm*

- *An increment of temperature of water ... .. **10-40°C***
- *Useful energy for a season from March till October ..... **180 - 660**  $\text{kW/m}^2$*
- *The cost price of thermal energy ... .. **130-230** lei/Gcal*
- *Expenses payback time at replacement of natural gas ... .. **3.1-5.8** years*
- *Prevention of CO<sub>2</sub> emissions ..... **25-55** kg / m<sup>2</sup>*
- *Percent of traditional power resources replacement ... **30 - 80** %.*