



[Solar Air collector]



www.eurostar-solar.com

AIRSOL



- Free Space Heating
- No more humidity

Quality Solar Systems

“AIRSOL” SOLAR HEATER is made by **SOLE S.A.** for **space heating, dehumidification and ventilation** of buildings with hot air.

How does it work?

The basic principle of this system is the following:

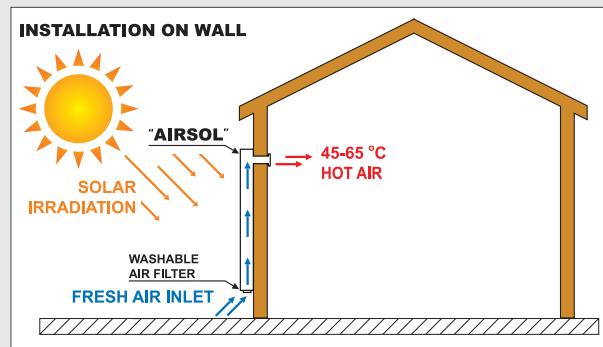
Solar irradiation passes through the highly transmissive glazing and reaches the absorber. The selective absorber transforms the irradiation into heat, which is heating the air passing through.

The solar-heated air is transferred into the building, by a ventilator, operated by photovoltaic panel.

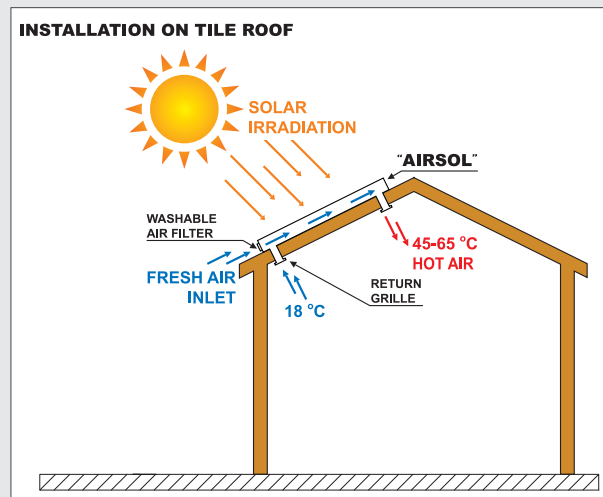
The **fresh air** enters the device after being **filtered**, to be free from any particles and dust.

The fan of the collector is powered by a P.V. panel which ensures that the system works even when nobody is in the building, keeping rooms **warm, fresh and dry** without any odors.

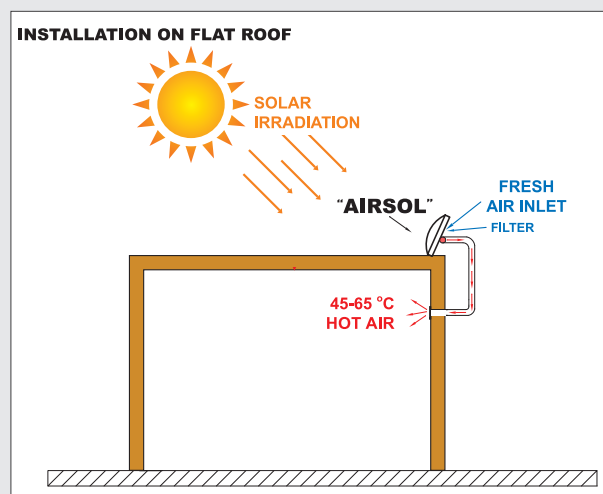
AIRSOL HOME APPLICATIONS



Easy installation on south, southeast and south west walls



Installation on **inclined roof** facing south, south east and south west



In a building (house) with **flat roof and ducts**.

AIRSOL

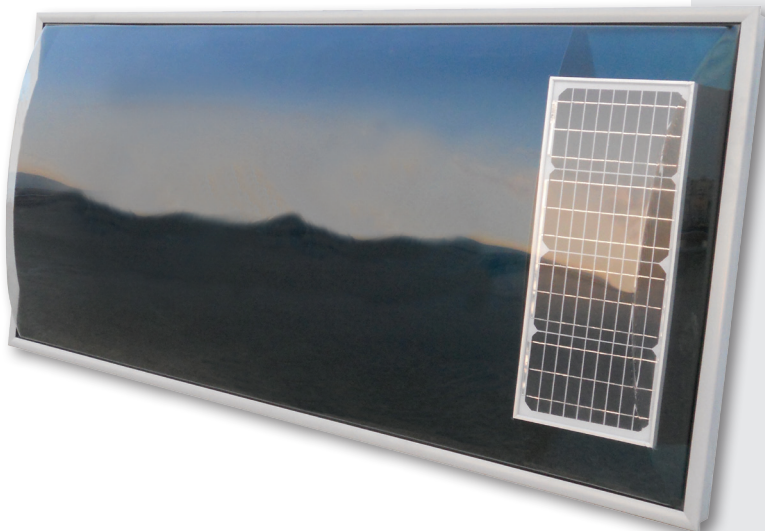
SOLAR AIR COLLECTOR FOR SPACE HEATING

Advantages

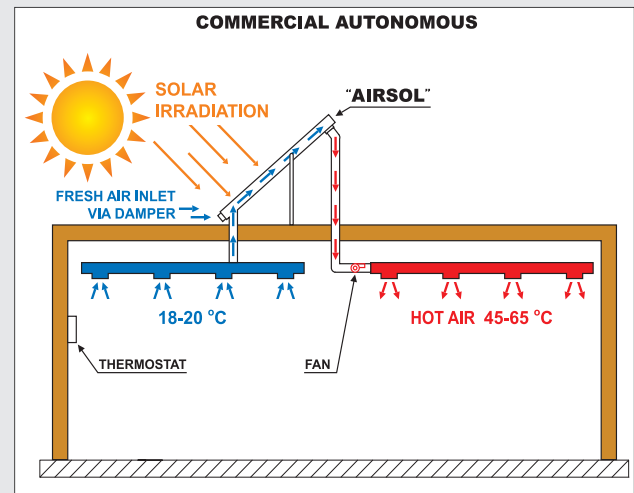
Direct heating for free with solar energy:

- Saving of conventional fuel for heating from 50-80% in houses or commercial buildings.
- Ideal for country weekend houses, keeping them hot and fresh. No more humidity.
- Ideal for places that need heating and air renewal such as:
 - schools
 - offices
 - factories
- Ideal for closed rooms such as underground warehouses etc.
- Very easy installations even "do it your self".

**Free heating,
with solar energy**

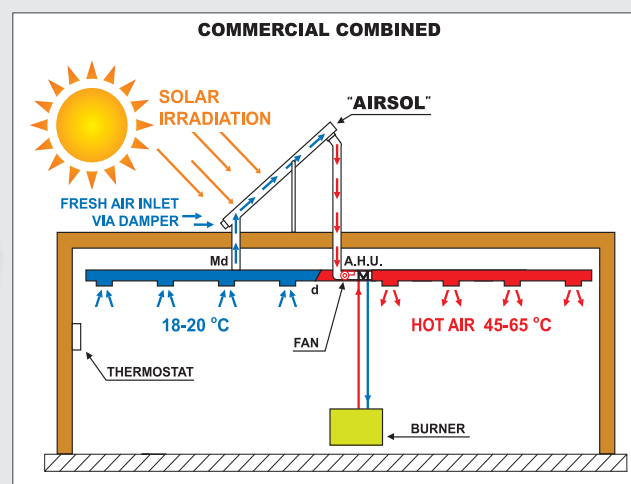


COMMERCIAL APPLICATIONS WITH AIRSOL COLLECTORS IN SERIES



Recommended for

- Industry
- Super markets
- Army camps
- Hotels
- Warehouses
- In general wherever you need heating, dehumidification, and filtered fresh air.
- Schools
- Offices
- Hospitals
- Gyms



It can be used either as the only source of heating or as a back-up one. It can be combined with any oil or natural gas boiler (burner).

Since its foundation in 1974, SOLE S.A. has been committed to the protection of the environment and the reduction of CO² emission. SOLE S.A. holds numerous prizes and distinctions, contributing with its products to the improvement of the environment in all 5 continents.

The solar heater “AIRSOL” is produced in 3 sizes with “blue selective” surface made of full face selective aluminum sheet for maximum efficiency.

TYPE	DIMENSIONS (mm)	SURFACE m ²	NOMINAL POWER**	RECOMMENDED FOR ROOM AREA
AIRSOL 10	1492x658x170	0,98	700Wp	10 to 40 m ²
AIRSOL 20	2050x1040x195	2,13	1500Wp	20 to 60 m ²
AIRSOL 35	2830x1280x140	3,62	2700Wp	35 to 100 m ²

** Values calculated with a solar irradiation of 1000w / m²

For permanent residence or premises of everyday use just select the lowest value of room area for better performance and fuel savings of more than 50%.

For country or vacation houses and other places with lower heating needs and mainly with ventilation and dehumidification needs, select the highest value of room area.

