

# ESOLAIR

## High Efficiency Solar Heating Systems



Designed and Manufactured in Canada by



www.mc2energies.com  
514-347-3622

## WORLD LEADER

World leader in energy performance, the **ESOLAIR 2.0 3G** system generates two times more energy than the competitors' average. One single collector can supply up to 20% of the energy required to heat 1000 ft<sup>2</sup> (100 m<sup>2</sup>).

## APPLICATIONS

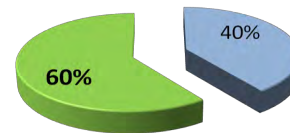
Air heating for new and existing buildings

- Residential
- Commercial
- Industrial
- Institutional

## BENEFITS

- Simple and affordable
- Eco-Friendly
- Free Energy
- Decreases heat costs

In Canada, heating accounts for 60% of the total energy used in buildings.



## VERIFIED BY CSA

The **ESOLAIR 2.0 3G** meets the CAN/CSA-F378 Standard requirements and gets the best performance factor of all listed Glazed Air Heating Solar Collectors by CSA International.



## CERTIFIED BY SRCC

The **ESOLAIR 2.0 3G** meets the SRCC Standard 100-94 requirements and gets the best efficiency of all Certified Glazed Air Heating Solar Collectors listed by the Solar Rating and Certification Corporation (SRCC).



## LEED® CERTIFICATION

The **ESOLAIR 2.0 3G** can operate on a stand alone basis or integrated to the main heating system, with or without external air preheating.

- Reduces greenhouse gas emissions
- Contributes to:
  - LEED® certification
  - BOMA Best certification
- Contributes to net-zero energy buildings.



# SOLAR AIR HEATING COLLECTOR

## ESOLAIR 2.0 3G

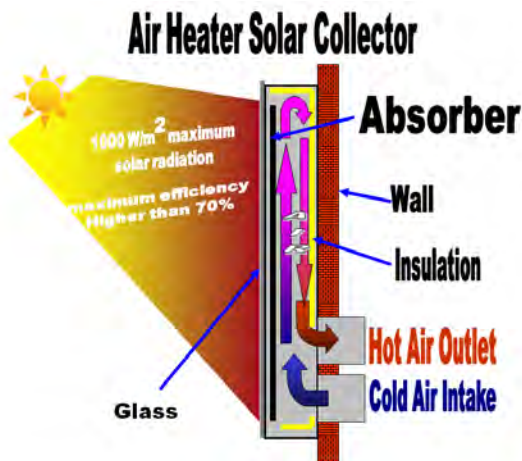
### TECHNICAL DATA

- **Maximum efficiency:** over 70%
- **Maximum power:** 2000 W (6820 Btu/h)
- **Dimensions:** 233,7 cm x 111,8 cm x 10,8 cm (92 in. x 44 in. x 4 in.)
- **Weight:** 58 kg (128 lbs)
- **Air flow:** 47 l/sec (100 ft<sup>3</sup>/min)
- **Glass:** extra clear tempered glass
- **Absorber:** aluminum
- **Duct diameter:** 12,7 cm (5 in.)
- **Colours:** White or Dark Bronze
- **Certification:** Standard SRCC 100-94
- **Verification:** Standard CAN/CSA-F378

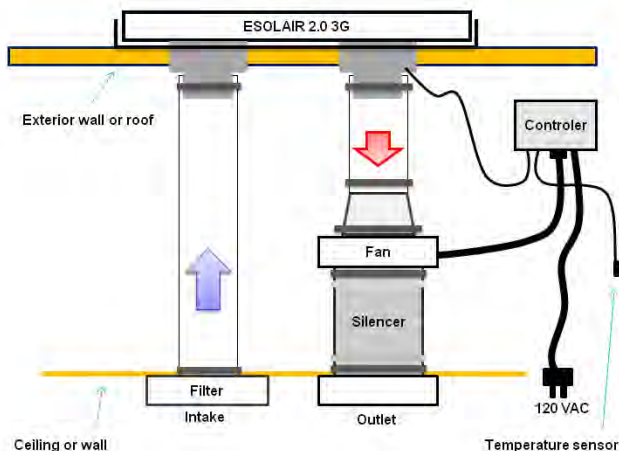
AUTHORIZED  
DEALER  
INSTALLER

# HOW IT WORKS

On a sunny day, the Earth receives 1000 watts per square meter from the Sun. This power is available all year round.



The ESOLAIR 2.0 3G is composed of an absorbent board located under a extra clear tempered glass, collecting the heat from solar rays. A sensor controlled fan transfers the heat from the absorbent board to the air inside the building to heat it.



# AWARDS

Recognized by HVAC and building professionals, the **ESOLAIR 2.0 3G** has been awarded numerous prizes.



- 1st prize, BEST NEW PRODUCT, 2009 Energy Efficiency category.
- 1st prize, PEOPLE'S CHOICE AWARD, Voted the most popular product by 4500 industry delegates.

Trophées  
Innovation **2009** Con**tech**

- 1st prize, SUSTAINABLE DEVELOPMENT Innovative Products & Technologies

