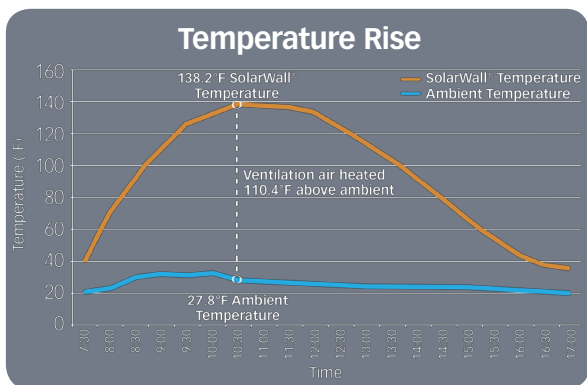


SolarWall® 2 Stage High Performance Solar Air Heating



55,000 ft² SolarWall® 2-Stage system at Defence Logistics Agency (DLA) in PA.



Data from Plattsburgh Intl Airport - February 4, 2012

Avg SW 2-Stage performance data when horizontal solar radiation exceeds 300 W/m²



Up to 54% More Thermal Energy

Independent testing & field applications have shown that SolarWall 2-Stage will deliver up to 50%+ more energy than a conventional SolarWall system, with temperature rises over 100°F (55°C) frequently achieved.

* Test Conditions; 1 CFM/ft² and 900 watts of solar radiation

SolarWall® 2-Stage

SolarWall® 2-Stage is the latest version of the SolarWall® technology and it builds on the technological success of the original solar air heating system. SolarWall® 2-Stage has been configured to deliver a higher temperature rise - up to 36-85°F (20-47°C) above ambient temperature - which makes it more applicable for space heating applications. It is also ideally suited for roof-mount projects and windy locations. [And as the wind speed increases, the energy output of the 2-stage system will continue to increase relative to the conventional SolarWall system.]

It operates on the same premise as the original SolarWall® technology in that outside air is heated and drawn into an air cavity via tiny micro-perforations in the SolarWall collector. With the 2-Stage system, the air is then heated a second time (which boosts the temperature rise) as it passes through a second stage of the system. The solar heated air is then directed into the building's ventilation system - or through a dedicated SolarWall fan & ducting system - where it is distributed throughout the building.

SolarWall®

by Conserval

www.solarwall.com

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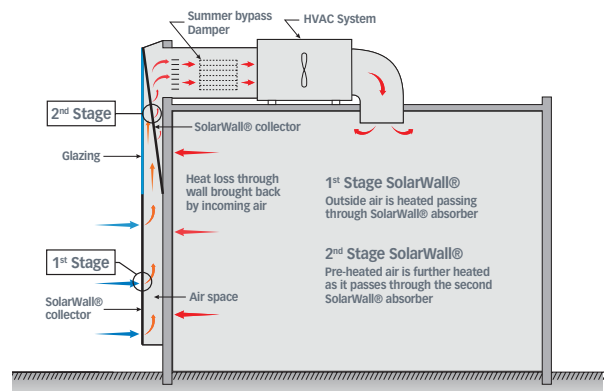


"It used to take over 3 hours to reheat the hangar when they opened the doors to get an aircraft out. Now its only taking 45 minutes, so they don't have to use all that natural gas from the conventional heating system."
 -Tom Long, Airport Manager at Plattsburgh International Airport



Features & Advantages

- Higher energy output that substantially lowers heating bills
- Delivers significantly more thermal energy (up to 50% more) than a conventional low-flow SolarWall® system
- Heats air 36-85°F (20-47°C) above ambient on a sunny day
- Monitored systems show temperature rises over 100°F (55°C) being achieved on a regular basis
- Maintenance free
- Up to 10+ LEED® Points
- Heats fresh air and improves indoor air quality
- De-stratification savings for industrial buildings
- Provides both space heating & ventilation air heating
- Huge life-cycle cost savings
- Huge reduction in CO₂ emissions
- Building integrated - variety of colors



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