



BIOSMART TECHNOLOGIES



Why Buy a BioSmart Far Infrared Heater?

Far Infrared heat is a completely safe, therapeutic and highly efficient heat source. By virtue of its shorter wavelength, far infrared is able to penetrate the body and solid objects faster than conventional heat.

Benefits of Infrared Heat

The far infrared waves produced by the BioSmart In-Wall heater travel quickly and are absorbed by water molecules in the air which keep the heat evenly distributed from floor to ceiling and wall to wall, providing soft, comfortable heat, that is never dry or irritating. Far infrared waves also penetrate and heat objects in the room directly, which in turn radiate heat back into the room. You will feel warmer with infrared heat since it's unique shorter wavelength makes it a more penetrating, direct source of heat, much like the way the sun heats.

The BioSmart® In-Wall heater emits infrared heat waves in the therapeutic far infrared range. Far Infrared heat provides many of the health benefits of natural sunlight, without the dangerous effects of UV radiation. Customers have reported reduced muscle and joint pain & stiffness, improved circulation, as well as improved respiratory function.

Energy Saving Benefits

It requires less energy to heat the room with far infrared heat than with other conventional heating sources. Additionally, room temperatures of 68 degrees (F) with far infrared heat feel like 72 degrees (F), so you can set the thermostat back 4-5 degrees and experience the same comfort levels utilizing less energy. The temperature on the floor and at the ceiling remains the same without any supplemental fan circulation to keep the temperature balanced throughout the room, even in rooms with high ceilings.

With a BioSmart® heating system you can heat only those spaces which are in use and require the heat. Zoned heating is as much as 50% more economical to use when the entire home or office does not require heat in all areas 100% of the time. The cost savings from this feature alone makes initial installation of the BioSmart® heating system pay for itself in a matter of months.

Order Information:

Online Product Information:

Coupon Code:

BioSmart Technologies
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Yelm, Washington 98597

BioSmart® Ceramic Far Infrared Heaters

Introducing the most environmentally safe and energy efficient zoned heating system available on the market today:
The BioSmart® In-Wall Heating System



- **Up to 35% more absorbable heat** per kilowatt than conventional electric heat products, whether they are portable, radiant or HVAC.
- **Infrared waves** migrate through the room faster, preventing cold spots & temperature displacements between walls, floor & ceiling.
- **Therapeutic far infrared heat** provides numerous health benefits not obtainable from conventional heating sources.
- **Affordable Zoned Heating Solution** heat only the areas of your home that you are occupying, and save dramatically.
- **Eliminate heat loss** by removing energy draining heat distribution systems (duct-Work).

BioSmart® In-Wall Far Infrared Heaters



BIO-500F/120v, 220v

Dimensions (HxW(xD)):

Cover: 19 1/4" x 6 1/4"

Rough Opening: 19" x 4.9"

Chassis: 20 1/2" x 4 3/4" x 4"

8 lbs

120 volt AC or 220 volt AC;
500 watt Power Requirement

1 x 500 watt Ceramic insulated
plate Infrared Emitter

2,800 BTU infrared heat

1 high volume, low noise
90 mm DC Fan

System Noise Level only 38 dB



BIO-1000F/120v, 220v

Dimensions (HxW(xD)):

Cover: 16 1/2" x 14 1/4"

Rough Opening: 15 1/2" x 12.8"

Chassis: 16" x 12 1/2" x 4"

13 lbs

120 volt AC or 220 volt AC;
1000 watt Power Requirement

2 x 500 watt Ceramic insulated
plate Infrared Emitters

4,800 BTU infrared heat

3 high volume, low noise
90 mm DC Fans

System Noise Level only 18 dB

Lower Purchase and Installation Costs

- Eliminate the need for installation of ductwork or other expensive heat distribution/dampening systems.
- Can be retrofitted to upgrade an existing HVAC or climate control system without removing or modifying its functionality.
- Are cost effective to install - in some cases can utilize the existing electrical circuits. In other instances additional power requirements may be needed (consult a licensed electrician).
- Provide highly efficient zoned heating at the source. With conventional HVAC systems, you have to modify air-flow after initial installation to customize heat distribution. This is very difficult—especially if registers are in hard to reach locations, such as ceilings.

BioSmart® In-Wall Heating System Features

- All metal Chassis, 22 & 24 gauge, with synthetic, paintable shell
- 40,000 hour Emitter Life Expectancy
- Proprietary Heating Chamber with copper-ion generation panels
- Use with any standard digital, programmable, or mechanical thermostat (not supplied)
- Pre-wired for Zoned Heating Capability
- Safety Cut-Off prevents damage to the unit and over heating
- Internal Ceramic Blanket provides R45 insulation between the wall and the heater.
- Virtually Silent Operation - much quieter than conventional in-wall electric heaters.
- There is no AC 60Hz frequency hum as with other in-wall systems
- Chassis Safety Insulation exceeds all government and independent laboratory standards for safety
- cTUVus Int'l Certification (UL/CSA equivalent)
- Safe to the touch
- Life Expectancy of 25+ years
- 5-Year Limited Warranty

Therapeutic and Comfortable Heat

- Heats with safe, therapeutic Far-Infrared waves
- Infrared heat is proven to be more comfortable than heat radiated from conventional electrical coils. This is because infrared heat penetrates and warms the objects and people in the room directly, the way that natural sunlight does, but without the harmful ultraviolet radiation.
- The same therapeutic far infrared heating system is used in far infrared saunas to obtain maximum health benefits.

Cut Heating Expenses by 25-60%

- Zoned heating made easy: Regulate and control heat separately for each room/zone and turn down the thermostat in other places.
- Eliminate heat loss by heating at the source instead of utilizing heat wasting duct-work.
- Infrared is a penetrating heat that is distributed much faster and evenly throughout the room, from floor to ceiling
- Built-in system diagnostics make it easy to service
- Maintenance and servicing can be handled by anyone, eliminating the need for expensive repair and maintenance contracts.



BIO-1000F Residential/Commercial

System Serviceability Features:

All components of either system can be removed from the wall through their respective registers.

Removal of internal components takes just a few minutes.

Sanitary Delivery System

- No ductwork to breed bacteria and contaminate the air-flow path from the furnace to the room.

Easy Installation

The BioSmart In-Wall heaters were designed for installation in a standard 2" x 4" wall with either 1/2" or 5/8" sheetrock. The units comes with brackets for both new installations and retrofits. They can be mounted from 12" above the floor up to 12" down from the ceiling.

