

**PROVEN ENERGY-EFFICIENT INFRARED GAS TUBE HEATERS FOR
HARD-TO-HEAT RESIDENTIAL AREAS
CAN SAVE UP TO 50% OR MORE ON FUEL COSTS (R)**

CHARLOTTE, North Carolina -- A new economic, efficient and easy to install and maintain residential gas heater based on proven radiant heat technology that is especially suited for hard-to-heat areas such as residential garages, workshops, vestibules or entry ways, enclosed patios, greenhouses and barns has been introduced by Space-Ray of Charlotte, N. C.

Previously available only for industrial applications such as warehouses, manufacturing plants and auto body shops, the new series of compact, unitized 9' 3" long industrial strength Cold Blocker™ Infrared Gas Tube Heaters offer homeowners and remodelers the ability to heat areas previously left unheated or heated at a high cost.

Available in natural and propane gas, benefits of the new Space-Ray Cold Blocker heater includes energy efficiencies ranging up to 84.5%, fuel savings ranging from 30 to 50% or more compared to other types of conventional heating systems and improved comfort levels.

Heaters can be mounted at heights ranging from 6 to 20 feet above the floor and angle mounted up to 45 degrees to conform to specific room heating requirements and maximize efficiency. Monitoring lights on the burner provide visual diagnosis for ease of maintenance. An optional space thermostat also monitors the desired heating comfort level.

"We designed these heaters based on input from the field for a residential version of our highly successful and proven energy efficient industrial heaters which we have been marketing for over 35 years," noted Bob Genisol, Vice President of Sales for Space-Ray. "The industrial heaters were too long for smaller applications, so we designed a more compact version with smaller BTU sizes. With this heater, homeowners can now afford to warm hard-to-heat areas such as garages."

Genisol noted that the heaters are based on radiant heat technology.

"Unlike forced-air and other heating systems that works from the top down, radiant heat works much like the sun's rays heating from the bottom up, warming people, floors and machines first," he said. "This maintains a uniform warmth within the heated space for optimum comfort, energy savings and lower fuel bills."

COLD BLOCKER FEATURES DESCRIBED

The Space-Ray Cold Blocker comes in a smooth, cast iron U-Tube design for uniform heat distribution and in four different capacities ranging from 20,000 to 50,000 Btu/hr. All models are design certified by the Canadian Gas Association Laboratories (C.G.A.).

A typical two or three car garage can be heated with a 30,000 Btu/hr unit whereas colder climates may require 40,000 or 50,000 Btu/hr units.

For optimum reliability and durability, the heaters are designed with a heavy-duty one-piece cast iron burner; a calorized aluminized steel radiant heater emitter tube and highly efficient aluminum reflectors for added heating efficiency.

The Cold Blocker's unitized design also lowers installation cost and results in less maintenance and simpler arrangement within the area to be heated. Since the heaters are shipped factory pre-assembled, they can be installed by any qualified HVAC contractor. For mounting heights of 6 to

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8 feet, an optional low mounting kit with emitter guards is available. Heaters must also be vented outside the structure with a flue pipe.

A unique self-contained pull through, maintenance-free draft inducer pulls the hot gases through the emitter tube for a more uniform tube temperature, increased radiant efficiency and greater safety. Safety is also enhanced by the direct spark ignition system with step opening gas valve, 100% shut-off control and a 30-second pre-purge.

The highly efficient aluminum reflector ends are enclosed to assure maximum radiant heat output and minimum convection loss. All the radiant energy product is directed toward the area or space being heated for maximum heating efficiency. The calorized aluminized steel emitter increases the heat transfer rate and corrosion resistance of the emitter surface for long life and maximum emitter tube temperature.

Other optional accessories include a deflector kit for reduced clearances to combustibles below the heaters and a decorative grille kit for drop ceiling applications.

The burner comes with a 10 year limited warranty and the emitter tube with a five year limited warranty.

Besides residential applications, the Cold Blocker is also well suited for light commercial applications such as heating farm buildings, clubhouses, swimming pools, solariums, golf course driving ranges, storage warehouses, barns, mechanical rooms, restaurant overhangs, greenhouses and other small unheated areas. For these applications, the heaters can be vented, common vented, or indirect vented.

The first U. S. manufacturer to design and market unitized tube heaters in 1968, Space -Ray has over 44 years of field experience and exposure to industrial and now residential and light commercial heating problems. Some of Space-Ray's industrial heaters are still providing trouble free operation after 30 years of service.

Besides the Cold Blocker, Space-Ray offers a complete line of industrial radiant heaters including the LTS series of unitized low-intensity tube heaters, the LTU series of low-intensity U-tube heaters, the ETS/ETU line of low-intensity radiant tube heaters, a complete line of DK and RSCA ceramic heaters and radiant floor heaters.

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For more information on Space-Ray infrared gas heaters, contact Space-Ray – Charlotte, NC.

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Company Information:

Space-Ray, Inc.
305 Doggett St., P.O. Box 36485
Charlotte, NC 28236 USA

Toll Free Phone: 800-438-4936
Phone: 704-372-3485

FAX: 704-332-5843

<http://www.spaceray.com>