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ROBERTS GORDON[®]

Infrared Heating

UltraVacTM

CoRayVac[®]

Vantage[®]

GordonRay[®]

Caribe[®]

Energy Efficient, Low-Intensity, Infrared Heaters

www.robertsgordon.com

www.radiantheaters.com

www.corayvac.com

800.828.7450



ROBERTS GORDON®

Infrared Heating



LOOK TO A LEADER . . . Dedicated to providing excellent product, service and support to meet our customers' needs and beyond. Roberts-Gordon introduced vacuum assisted, low-intensity, gas-fired infrared heating systems and we remain an industry leader with a complete range of top quality products. Roberts-Gordon also introduced modulating infrared heaters and heating systems for reduced energy consumption. With many units installed world-wide, Roberts-Gordon has provided comfortable, economical, and reliable warmth for a variety of satisfied customers.

HOW INFRARED HEATING WORKS . . . Like the sun, its infrared rays heat the earth, people and objects directly. The energy emitted is absorbed by cool surfaces that warm up, which in turn, release heat into the atmosphere by convection to raise ambient temperature. Warm objects in the building create a heat sink which allows for quick heat recovery and greater comfort at lower air temperatures.

BENEFITS THAT YOU'LL ALWAYS APPRECIATE

- Fuel Efficient
- Reduced Heating Electricity Cost
- Quick Heat Recovery
- Comfortable, Gentle Heat
- Many Design Options
- Aesthetically Pleasing
- Environmentally Friendly
- Quiet, Draft-Free Heat
- Easily Installed
- Minimal Maintenance

IDEAL FOR HEATING AT HIGH MOUNTING HEIGHTS AND/OR HIGH HEAT LOSS AREAS. INSTALLATIONS INCLUDE, BUT ARE NOT LIMITED TO:

- | | | |
|------------------|-------------------------|-----------------------|
| Aircraft Hangars | Hockey Rinks | Showrooms |
| Atriums | Indoor Tennis Courts | Stores |
| Auto Body Shops | Loading Docks | Truck Terminals |
| Auto Showrooms | Machine Shops | Vehicle Service Shops |
| Bus Garages | Manufacturing Plants | Warehouses |
| Farm Buildings | Recreational Facilities | Zoos |
| Firehouses | Restaurant Patios | And More! |



CoRayVac®

Continuous Low-Intensity, Infrared Heating System



- Burners-in-series design provides even heat distribution, fuel savings and user comfort.
- Custom-engineered to provide design flexibility.
- High emissive heat exchanger, unique reflector design and cutting edge control panels help maximize fuel efficiency when designed in a condensing mode.
- Optional decorative grille helps conceal heating system and helps improve aesthetics.
- Lower clearances to combustibles, compared to unitary heaters, frees valuable work space.
- Multiple burners per pump can be positioned away from the work area, reducing building penetrations and installation costs.
- CORAYVAC® CLASSIC SF heavy duty, high efficiency systems available for specialty fuel vehicle repair facilities.



UltraVac™

Control for Modulating CORAYVAC® Infrared Heating Systems

- Increases the efficiency of the CORAYVAC® system.
- Proper burner modulation by varying vacuum and adjusting gas and combustion air.
- Fuel savings by modulating burner input rate with outdoor air temperature to match system input to building heat loss.
- Centralized energy management system and PC-based software help monitor proper performance for maximum savings.
- Remote system management provided by on-board modem.
- Interfaces with other building management control platforms via our BACnet® and MODBUS® option.

Vantage® MODULATING

Modulating Low-Intensity, Unitary Infrared Heater



- Fuel/air linkage technology modulates fuel and combustion air for increased fuel efficiency.
- Pre-programmed control is custom tailored for each heater's input and fuel type. "Plug and Play" control helps eliminate the need for on sight programming, easing commissioning and start-up.
- System information and ease of service provided by comprehensive on-board diagnostics for fault and system status.

**Increased
efficiency by
MODULATION
-adjustment
of both
FUEL and
COMBUSTION
AIR!**

Learn more at
www.corayvac.com





FEATURES OF ROBERTS GORDON® LOW-INTENSITY, GAS-FIRED, INFRARED HEATERS:

- Broad range of inputs and tube lengths to fit a variety of building sizes and floor plans.
- Straight, U-tube or L-configurations on unitary heaters provide design flexibility.
- Durable components provide long equipment life.
- Ceiling mounting keeps valuable floor space clear.
- Detailed installation, operation and service manuals to assist in reducing installation and service time.
- CSA-design certified to meet industry standards.
- Burner box design with protective enclosure for controls helps minimize exposure to dirt and moisture from combustion air.
- Deep-dish, parabolically-designed reflectors with end caps help maximize energy reflection and help minimize heat loss by convection.
- Reflectors can be tilted or side reflectors can be added to concentrate heat where needed.
- Custom heating system configurations provide custom comfort.



Vantage® II

Setting the Standard in Low-Intensity, Unitary Infrared Heating

- Diagnostic capability incorporated in burner design.
- Years of field-proven product performance.
- Burner components protected inside burner enclosure.
- Connects directly to low-voltage thermostat without the need for external relay.

Vantage® HE

Low-Intensity, Infrared Heater Designed for Harsh Environments

- Effective in high moisture environments due to durable components.
- Approved for indoor and outdoor installations.
- Incorporates the benefits of the VANTAGE® II with enhanced sealed burner box design.

Vantage® NP

Negative Pressure Low-Intensity, Unitary Heater and Multi-burner Infrared Heating System

- Standard negative pressure burner can be used for unitary heaters or heaters can be connected together to form a multi-burner system of up to 1.6 million Btu/h.
- Multi-burner systems can reduce building penetrations and installation cost, as a result of multiple burners per pump.
- Multi-burner systems are custom engineered with a variety of zoning options.
- Vacuum design with uniform tube temperature helps provide more even heat distribution.

Vantage® TF

Twin Fire Low-Intensity, Unitary Infrared Heater

- Two heaters in one.
- Effective heat distribution provided by centralized burner location.
- Reduced installation cost provided by less gas and electrical connections.
- High inputs from one heater.
- Low clearances to combustibles, relative to total heater input.



GordonRay® BH

Economical Low-Intensity, Unitary Infrared Heater

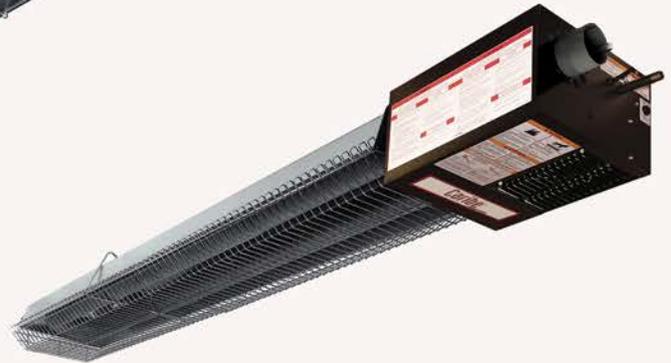
- Easy serviceability provided through hinged door design.
- Competitively priced for the budget-conscious consumer.



Caribe®

Compact, Low-Intensity, Infrared Heater for Light Commercial/Residential Applications

- Compact U-tube design provides even heat distribution and maximum inputs at minimum lengths, making it suitable for light commercial applications.
- Easy to install and transport - Heater is factory assembled and shipped in one box.
- One building penetration - Balanced flue design for both exhaust and intake air.
- Protective grille included on select models.



Installation Code and Annual Inspections:

All installation and service of ROBERTS GORDON® equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Roberts-Gordon LLC and conform to all requirements set forth in the ROBERTS GORDON® manuals and all applicable governmental authorities pertaining to the installation, service, operation and labeling of the equipment. To help facilitate optimum performance and safety, Roberts-Gordon LLC recommends that a qualified contractor conduct, at a minimum, annual inspections of your ROBERTS GORDON® equipment and perform service where necessary, using only replacement parts sold and supplied by Roberts-Gordon LLC.

Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through ROBERTS GORDON® representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

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These products (with the exception of the CARIBE®) are not for residential use.

This document is intended to assist licensed professionals in the exercise of their professional judgment.

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