

ENERGY EFFICIENT INFRARED HEATING PRODUCT CATALOG



ROBERTS GORDON[®]

The Exclusive Producer of **CO₂RAYVAC[®]**

www.robertsgordon.com

ROBERTS GORDON® high performance heating systems are tailored to meet various building sizes, types or climates with a wide range of burners, reflectors and controls!



ROBERTS GORDON® **CORAYVAC™**

CORAYVAC® is the premier heating system in the industry.

Unique burners-in-series design that maximizes fuel savings, and comfort. Designed in an endless amount of configurations, CORAYVAC® is the ideal heating solution!

- Multiple burners per pump allow for fewer building penetrations.
- Zero pressure regulator design achieves the highest levels of comfort and energy savings through modulation.
- Burner-in-series design provides even heat distribution at lower tube temperatures reducing clearances to combustibles, while increasing thermal efficiency.

Modulating Unitary Heater - CTH3

The industry's first modulating unitary heater features unique fuel/air linkage technology that modulates fuel and combustion air for increased efficiency.

- Pre-programmed onboard control carries an advanced algorithm to improve performance during each firing cycle.
- Sealed burner enclosure provides added protection for internal components.

Modulating Patio Heater - HEM

With the ability to modulate manually or automatically, the VANTAGE® Modulating HEM maintains high comfort for outdoor patio heating applications despite cooler or even milder temperatures. By keeping your customers comfortable, this unique feature will extend your patio season.

- Pre-programmed onboard control carries an advanced algorithm to improve performance during each firing cycle.
- Sealed burner enclosure provides added protection for internal components.

Negative Pressure Unitary or Multi-End Burner - CTHN

Uniform tube temperatures provides even heat distribution

- Operate as a standalone unitary heater or connect multiple heaters to a common manifold to form a multi-end burner vacuum system.
- Reduced building penetrations and installations costs as a result of multiple burners connected to a single vacuum pump.

Harsh Environment Unitary Heater - HEV

Ideal for extreme conditions! Features single stage operation making it ideal for harsh environments such as car washes, or outdoor walk ways.

- Indoor and outdoor approval
- Handles up to a 40 MPH wind

VANTAGE™ ROBERTS GORDON®



Premium Quality Unitary Heater - CTH2V

Robust burner enclosure provides long-lasting durability for industrial/commercial applications.

- Convenient, external low voltage thermostat connection for easy installation.
- Combustion air intake collar, external LED burner status light, and much more!

CARIBE®



Residential Heater - CGTH

Approved for residential use! A fantastic comfort heating solution for residential garages or small work shops.

- Ships fully assembled = easy installation
- Available with or without concentric vent kit



GORDONRAY®

Cost-effective heating solutions for simple applications - BH & DF

- Light-weight burner enclosure features hinged door for easy serviceability.
- Durable internal components provide long-lasting operation.
- Two-stage DF operates at high or low fire depending on the call for heat.
- External LED burner status lights indicate DF operating status (high or low fire).

Our energy efficient products provide more radiant comfort than any other product in the HVAC industry!

All ROBERTS GORDON® burners feature:

- Steel burners with powder coated finish for long-lasting performance
- Diagnostic capabilities for ease of troubleshooting and service
- Separate combustion air compartment to keep dirt and debris away from electrical controls

Key: ✓ Available - Not Available Specifiable Feature in Red	CARIBE®	GORDONRAY®			VANTAGE®					CORAYVAC®
	CGTH	DF	BH	CTH3	HEM	HEV	CTH2V	CTHN Unitary	CTHN Multi-Burner	CRV
Two-Stage Operation	-	✓	-	-	-	-	-	-	-	-
Burner In-Series Custom Design	-	-	-	-	-	-	-	-	-	✓
Multi-End Burner Vacuum System	-	-	-	-	-	-	-	-	✓	✓
Heating Control Compatible	-	-	-	-	-	-	-	-	✓	✓
Negative Pressure Burner	-	-	-	-	-	-	-	✓	✓	✓
Modulating Technology	-	-	-	✓	✓	-	-	-	-	✓
Sealed Burner Enclosure	-	-	-	✓	✓	✓	✓	✓	✓	✓
Modulating Control Compatible	-	-	✓	✓	✓	✓	✓	✓	✓	✓
High Efficiency Aluminum Reflectors	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Standard Aluminum Reflectors	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Standard Stainless Steel Reflectors	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Single Stage Operation	✓	-	✓	-	-	✓	✓	✓	✓	✓
Diagnostic Capabilities	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Burner Status LED	-	✓	-	-	-	✓	✓	-	✓*	✓*
Separate Combustion Air Compartment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Direct Spark Ignition	✓	✓	✓	-	-	✓	✓	✓	✓	✓
24V Thermostat Connection	✓	✓	-	✓	✓	✓	✓	-	-	✓*
Provides Power to 24v Thermostat	-	✓	-	-	-	✓	✓	-	-	-
Hot Surface Ignition	-	-	-	✓	✓	-	-	-	-	-
Positive Pressure Burner	✓	✓	✓	✓	✓	✓	✓	-	-	-
Outdoor Approval	-	-	-	-	✓	✓	-	-	-	-
Residential Approval	✓	-	-	-	-	-	-	-	-	-

*Located on control panel



Features of ROBERTS GORDON® Low-Intensity, Gas-Fired, Infrared Heaters:

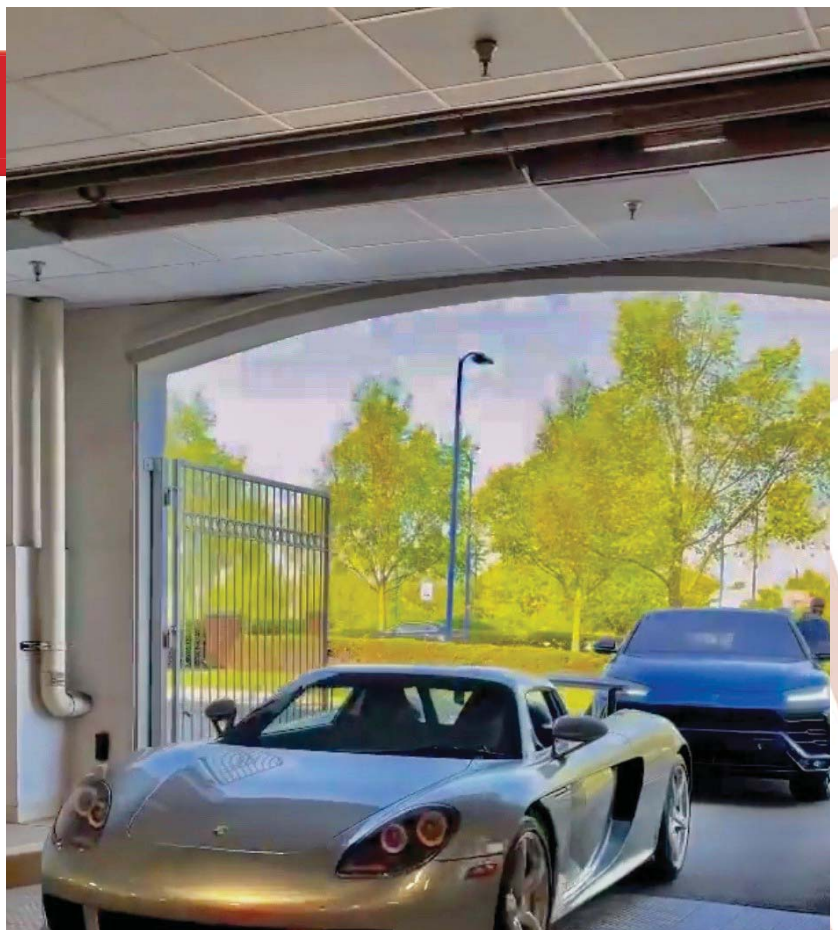
- **Broad range of inputs and tube lengths to fit a variety of building sizes and floor plans.**
- **Straight, U-tube or L-configurations on unitary heaters provide design flexibility.**
- **Durable components provide long equipment life.**
- **Ceiling mounting keeps valuable floor space clear.**
- **Detailed 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 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.**

LOOK TO A LEADER

Dedicated to providing excellent product, service and support to meet our customers' needs and beyond. Roberts-Gordon introduced the first vacuum assisted, low-intensity, gas-fired infrared heating system and we remain an industry leader with a complete range of top quality products. Roberts-Gordon is the first infrared heating manufacturer to introduce 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.

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 high heat loss areas:

Aircraft Hangars	Greenhouses	Recreational Facilities
Atriums	Hockey Rinks	Restaurant Patios
Auto Body Shops	Indoor Tennis Courts	Showrooms
Auto Showrooms	Loading Docks	Stores
Bus Garages	Machine Shops	Truck Terminals
Farm Buildings	Manufacturing Plants	Vehicle Service Shops
Firehouses	Poultry Houses	Warehouses



Roberts-Gordon's modulating controls take efficiency to the next level!

CORAYVAC® Modulating Heating Control provides custom control of CORAYVAC®!

With increased thermal efficiency from modulation, this control produces the most energy efficient, low-intensity infrared heating product in the industry and is the best way to heat your facility!

CORAYVAC® burners feature a unique zero pressure regulator that allows vacuum pressure to control firing rate. Capable of operating two systems and four zones, the **CORAYVAC®** Modulating Control compares indoor and outdoor temperatures to the set point, then adjusts vacuum pressure depending on the call for heat. Modulation based on outdoor and indoor temperatures ensures precise modulation and maximum efficiency.



For unitary heaters, the **ROBERTS GORDON® COMPLETE™** Modulating Heating Control ties all heaters into a single control panel. This control can act as a standalone control, or tie directly into the **CORAYVAC®** Modulating Heating Control to monitor or adjust all of your **ROBERTS GORDON®** heating systems from a single access point.



Both controls:

- Compare indoor and outdoor air temperatures for efficient modulation. Roberts-Gordon is the only manufacturer with controls that sense outdoor temperature making the system truly understand the entire heat requirement
- Incorporate easy-to-use touch screens
- Provide convenient access to check building status via any smart device with wireless or off-site connectivity

Ideal for on/off heating systems, the **CORAYVAC® Heating Control** is a simple way to control **CORAYVAC®** via zone thermostats.

- Capable of operating two systems and four zones
- Ready-to-go right out of the box, no need for installation programming
- Panel indicator lights provide heating system operation status
- NEMA 1 rated enclosure provides additional durability in dirty environments



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