



ROBERTS GORDON[®]

INFRARED HEATING

Product Overview

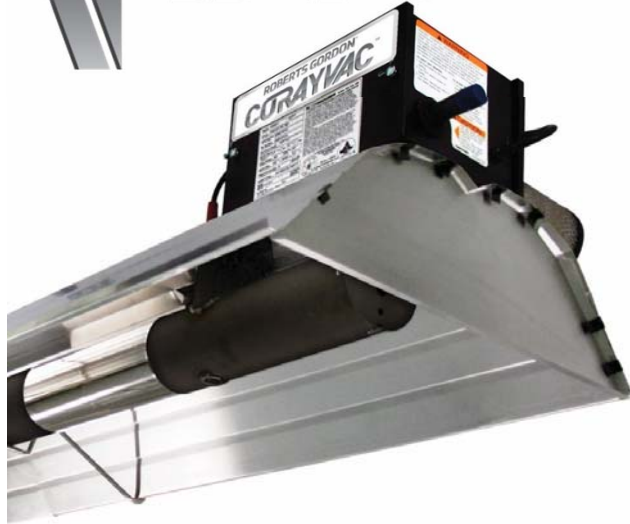
CORAY VAC™



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.
- Industry leading reflector design and cutting edge control panels help maximize fuel efficiency
- Multiple burners per pump **reduces building penetrations and installation costs.**

CORAYVAC™ Burner



- Powder coated, welded construction
- **Zero pressure regulator**
- High temperature silicone gasketing
- Direct spark ignition (DSI)

CORAYVACTM

Classic SF

Heavy duty custom infrared heating system



- Designed for facilities where CNG/LNG fueled vehicles are repaired
- Certified by CSA to meet maximum tube temperature of 750°F (399°C) in accordance with NFPA30A 7.6.6

VANTAGE™

COMPACT™

ROBERTS GORDON®
INFRARED HEATING

VANTAGE™ CTH2V

Low-intensity, infrared heater designed for industrial applications

- Direct Spark Ignition system (DSI)
- Separate ignition system
- Hybrid of VANTAGE® II & COMPLETE™ CTH2D



VANTAGE™ CTH2V

VANTAGE™		CTH2V
BTUs (40K to 175K Btu/h)		✓
Lengths (10' to 60')		✓
Accessories and options		✓
Internal partition		✓
24v T-stat connection		✓
Indicator light		✓
Individual controls		✓
Outdoor Approval		

VANTAGETM HEV

Low-intensity, infrared heater designed for **harsh environments**

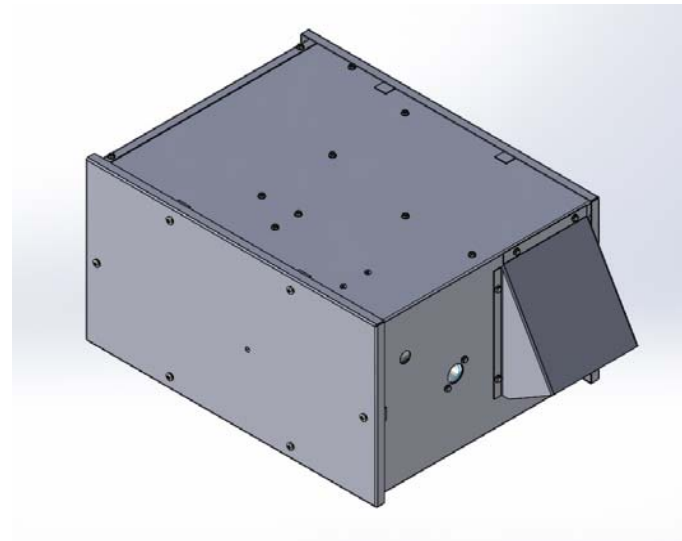
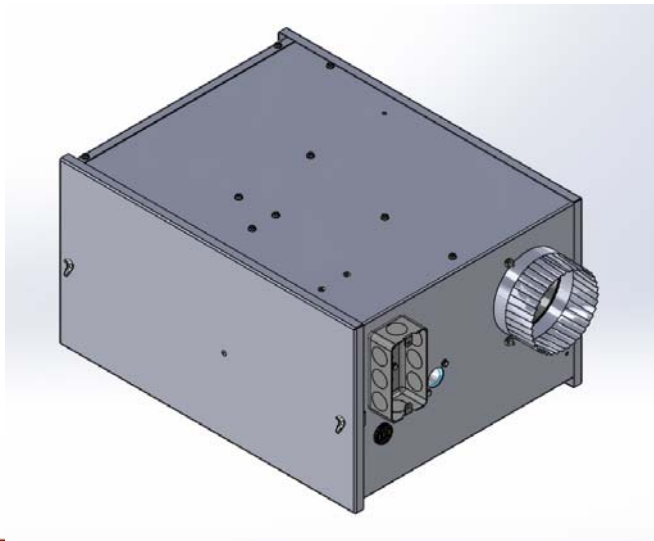
- Effective in high moisture environments with durable components
- CSA certified for indoor and outdoor installations
- Incorporates the benefits of the VANTAGE[®] with enhanced sealed burner box design
- Hybrid of old VANTAGE[®] HE & COMPLETE[™] HED



VANTAGE™ HEV

Optional Outside Air Weather Vent Cap

- Greatly reduces moisture from entering the burner housing
- Included in all HEV burner packages



VANTAGE™ HEV

VANTAGE™		HEV
BTUs (40K to 175K Btu/h)		✓
Lengths (10' to 60')		✓
Accessories and options		✓
Internal partition		✓
24v T-stat connection		✓
Indicator light		✓
Individual controls		✓
Outdoor Approval		✓

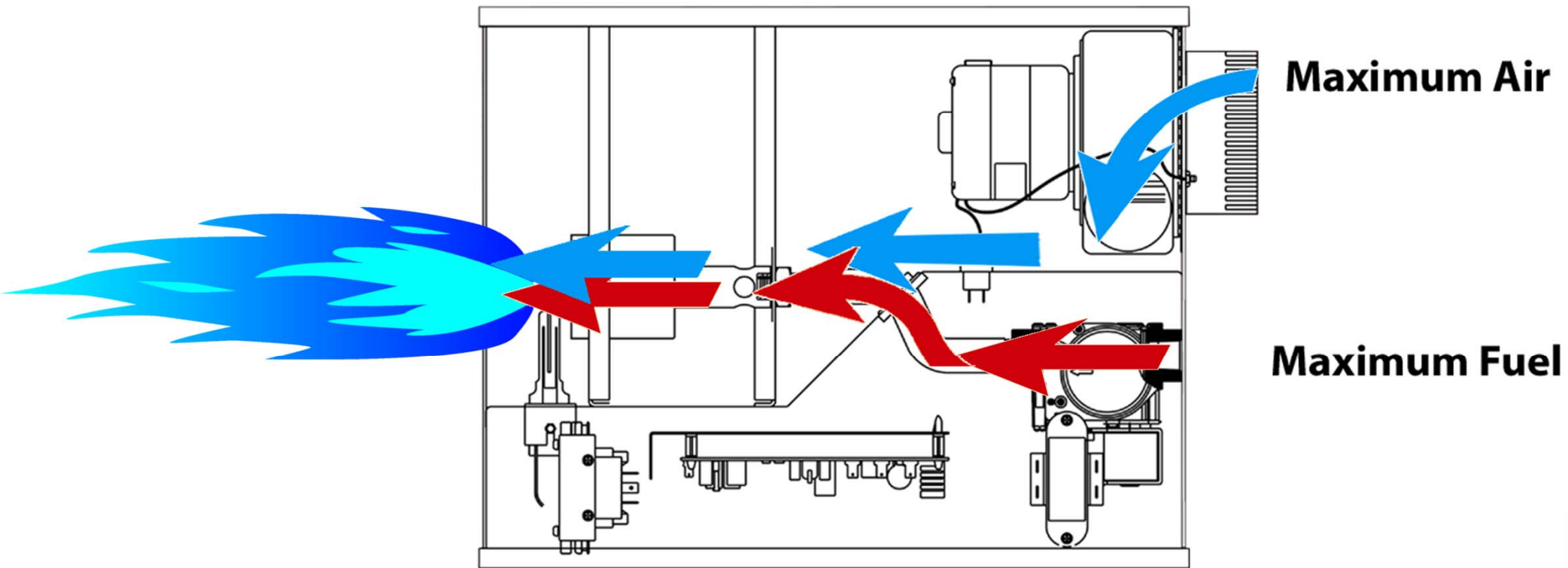
VANTAGE™ Modulating

- 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-site programming, easing commissioning and start-up
- Input rates Btu/h:
 - 80 (52 -80)
 - 115 (75-115)
 - 150 (100-150)
 - 200 (130-200)



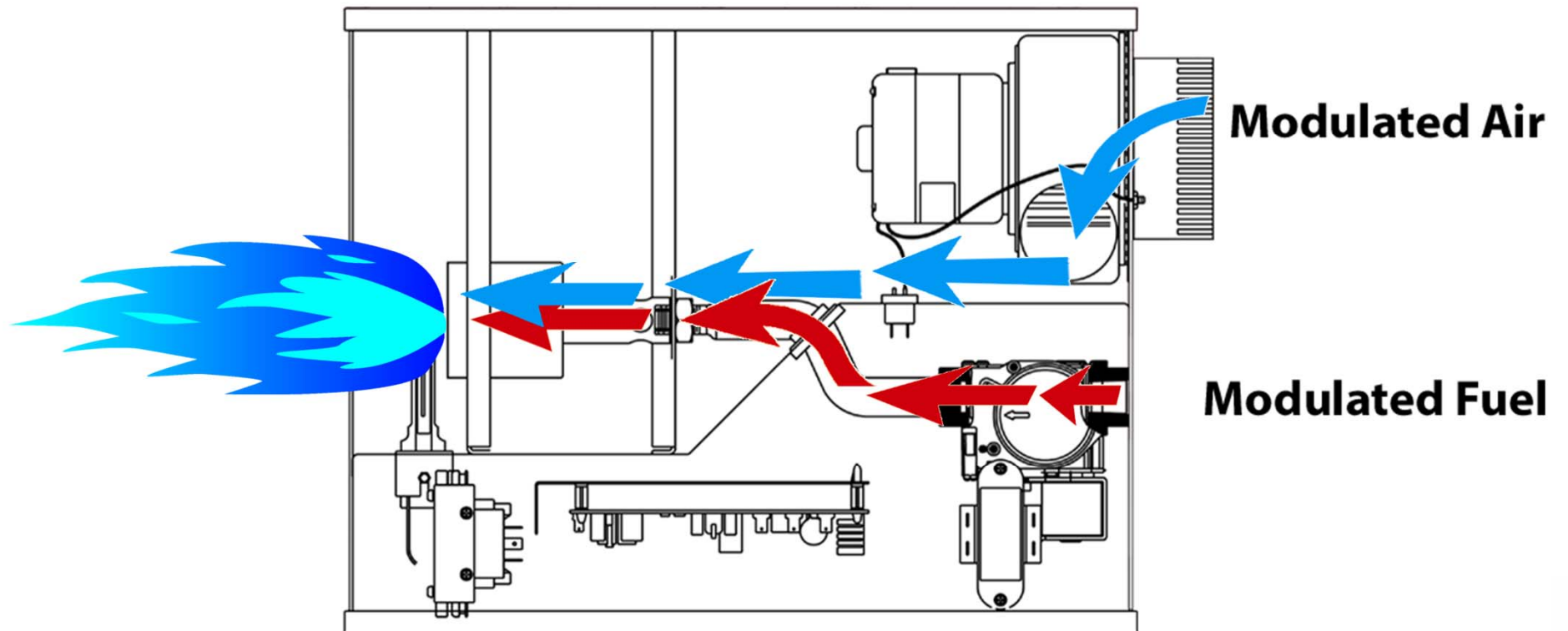
VANTAGE™ Modulating

At Max Fire:

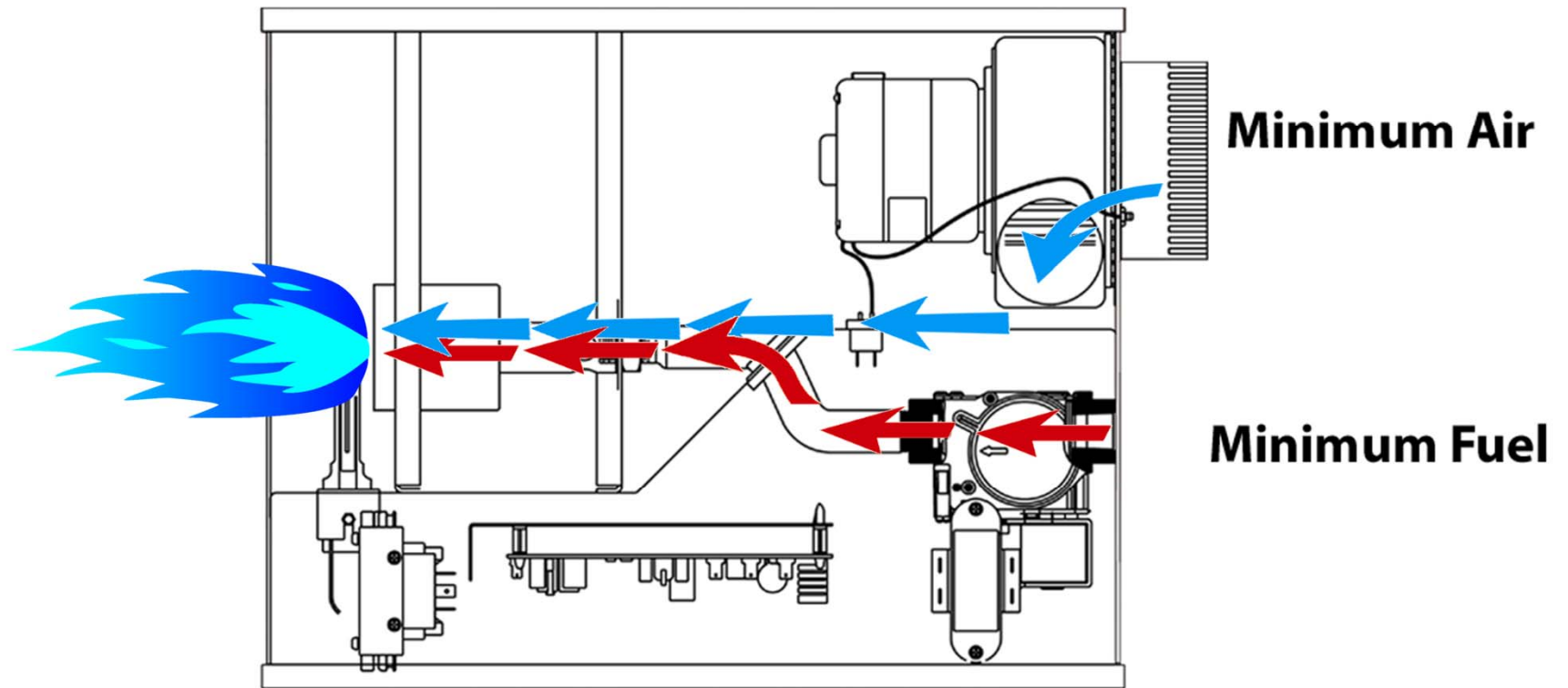


VANTAGE™ Modulating

**At Any Middle
Point:**



VANTAGE™ Modulating At Minimum Input



VANTAGE™ Harsh Environment Modulating (HEM)

- Fuel/air linkage technology modulates fuel and combustion air for increased fuel efficiency
- APPROVED FOR OUTDOORS. Ideal solution for patio heating
- Pre-programmed control is custom tailored for each heater's input and fuel type
- Input rates Btu/h:
 - 80 (52 -80)
 - 115 (75-115)
 - 150 (100-150)
 - 200 (130-200)

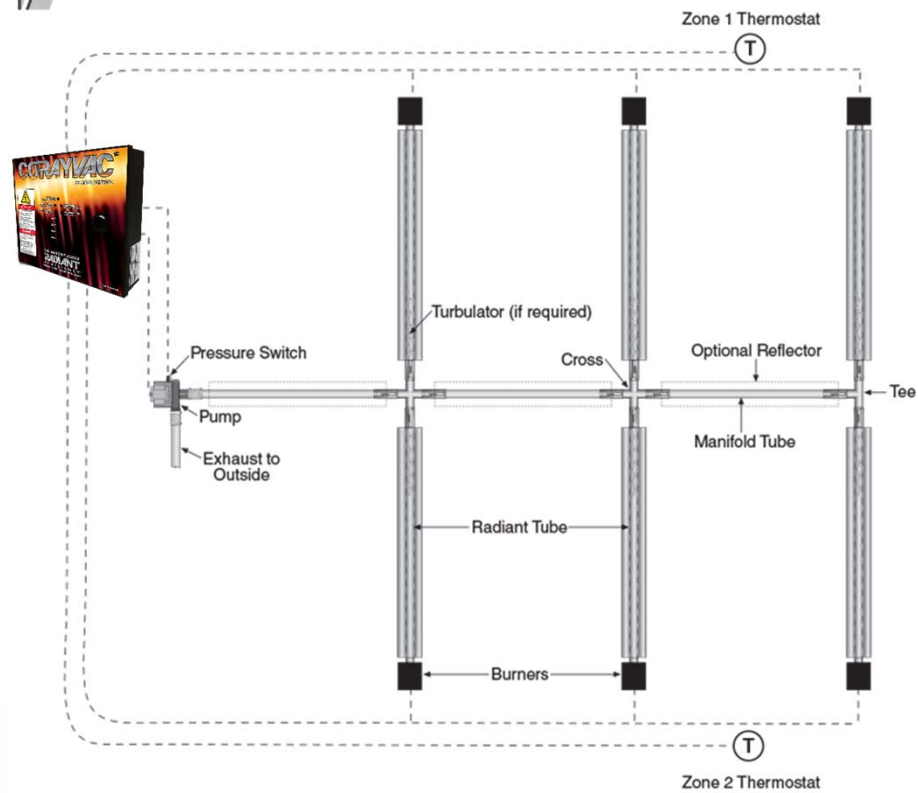


VANTAGE™ CTHN

- Negative pressure
- Efficient combustion
- Even heat distribution
- Unitary or Multiburner option



VANTAGE™ CTHN - Multiburner



Drawing Not to Scale

VANTAGE™ CTHN

Model	Minimum Length Straight Tube	Minimum Length U-Tube
CTHN-40	10	11.6
CTHN-60	20	11.6
CTHN-80	20	11.6
CTHN-100	30	16.6
CTHN-125	40	21.6
CTHN-150	40	21.6
CTHN-175	50	26.6
CTHN-200	50	26.6

VANTAGE™ Twin Fire

- Two heaters in one
- Reduced installation cost provided by less gas and electrical connections
- High inputs from one heater
- Low clearances relative to the input rate



VANTAGE™ TF

VANTAGE™		TF
BTUs (120K to 380K Btu/h)		✓
Lengths (10' to 80')		✓
Accessories and options		✓
Internal partition		✓
24v T-stat connection		
Indicator light		✓
Individual controls		✓
Outdoor Approval		

COMPACT™ DF

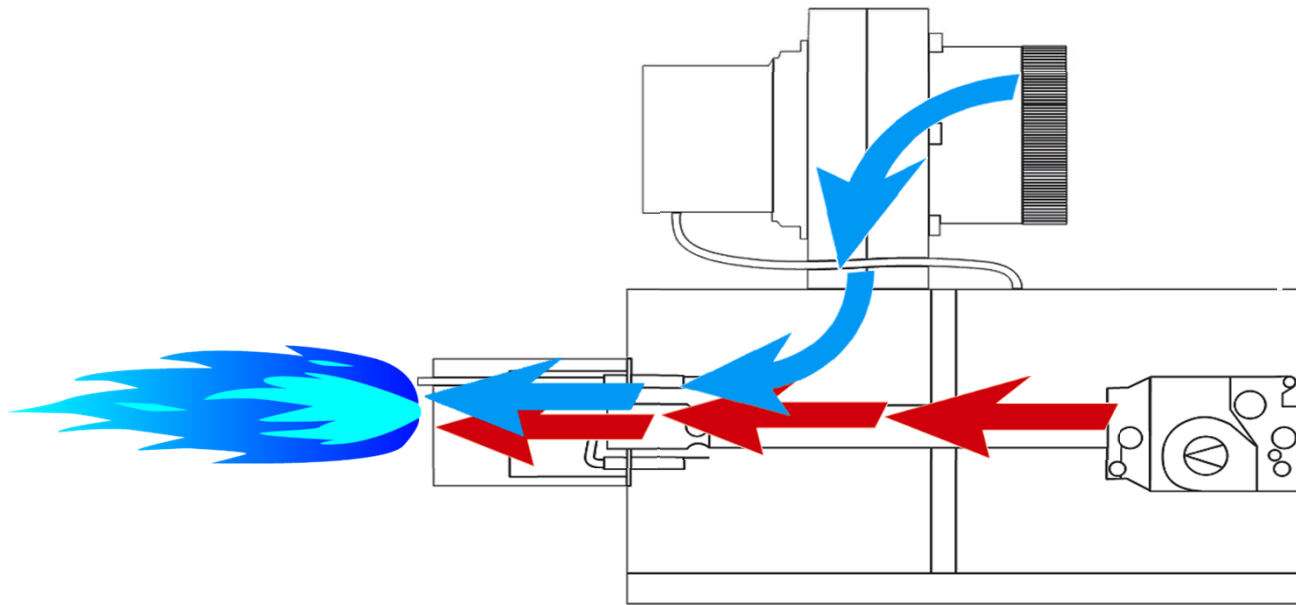
Two-Stage Low-Intensity, Infrared Heater

- **Two-stage operation** uses an algorithm output that will vary based on load conditions
- LED burner status lights that indicate high or low operation
- External t-stat connections for easy installation.



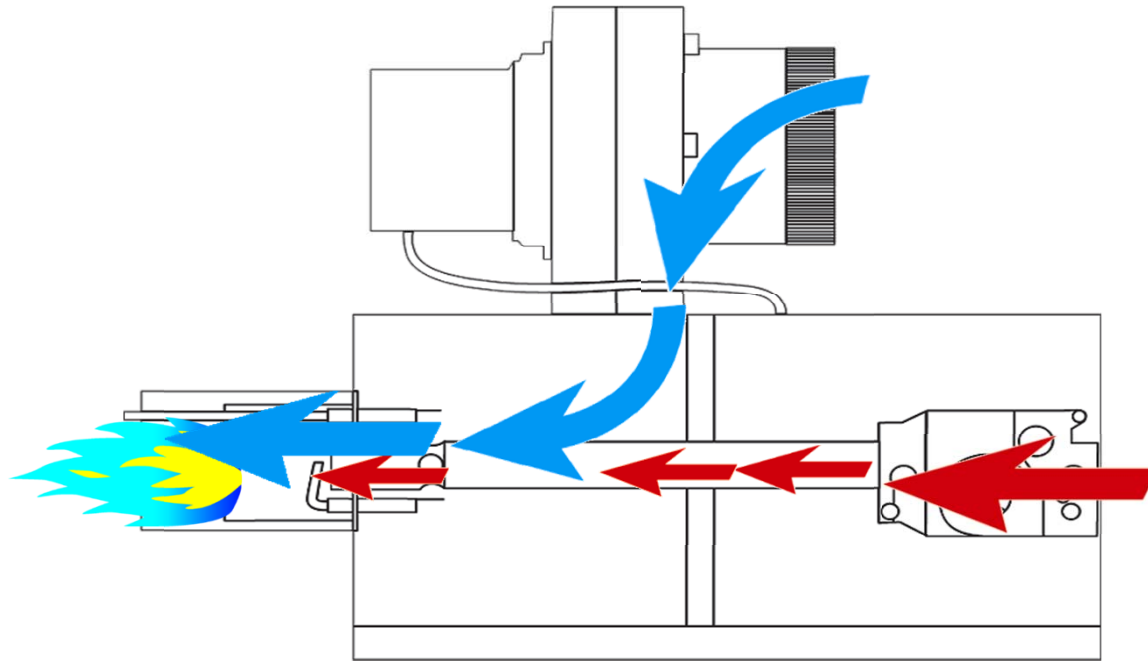
COMPACT™ DF

OPERATION IN HIGH FIRE



COMPACT™ DF

OPERATION IN LOW FIRE



COMPACT™ DF

DF	
BTUs (80K to 200K Btu/h)	✓
Lengths (10' to 60')	✓
Accessories and options	✓
Internal partition	✓
24v T-stat connection	✓
Indicator light	✓
Individual controls	✓
Outdoor Approval	

COMPACT™ BH

Economical Low-Intensity, Infrared Heater

- Easy serviceability through hinged door design
- Priced for budget-conscious customer
- Clean, quiet, draft free comfort

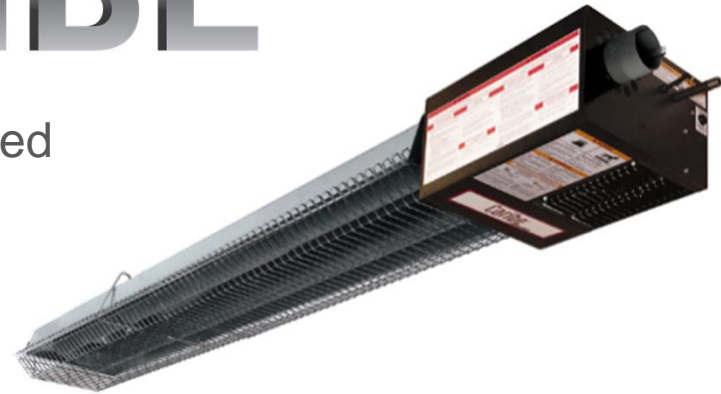


COMPACT™ BH

	BH
BTUs (40K to 200K Btu/h)	✓
Lengths (10' to 70')	✓
Accessories and options	✓
Internal partition	✓
24v T-stat connection	
Indicator light	
Individual controls	✓
Outdoor Approval	

ROBERTS GORDON® CARIBE™

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



Compact U-tube design

- 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.

Controls

CORAYVAC® Modulating Heating Control



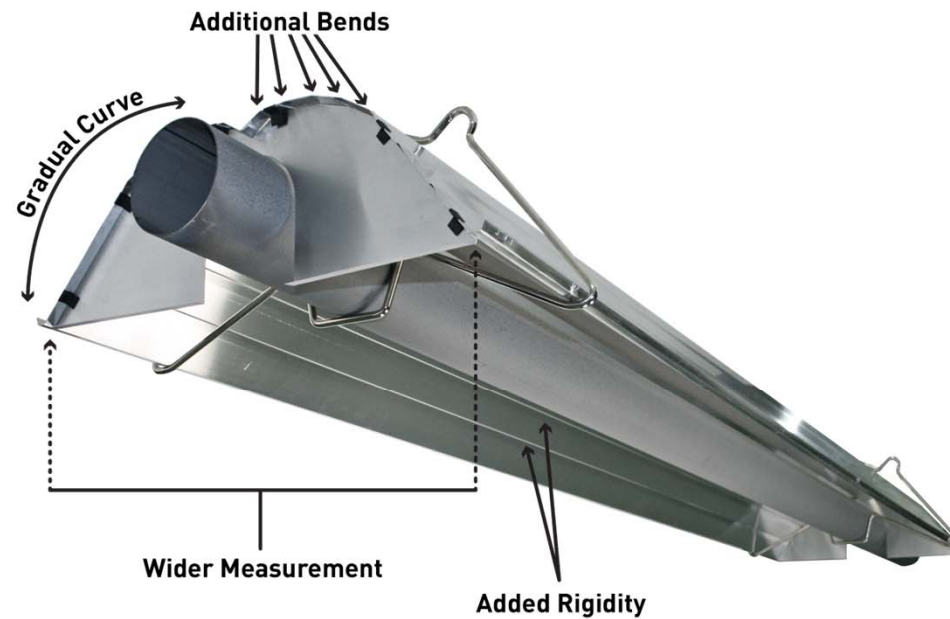
COMPLETE® Modulating Heating Control



CORAYVAC® Heating Control



New HIGH EFFICIENCY Reflector



THE INDUSTRY LEADER™
AS HIGH AS
INFRARED 15
F A C T O R

ROBERTS GORDON®
INFRARED HEATING

Tubing



- 4" O.D. 16-gauge tubing
- Available in Hot-rolled steel, aluminized steel, or double porcelain coated steel

Accessories

- Side reflectors
- Protective grilles
- Lower Clearance Shield
- Fittings
- Venting
- Controls



Q & A

