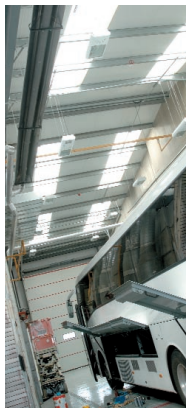


# ER Series

INCORPORATING SC, ER AND GX RANGES

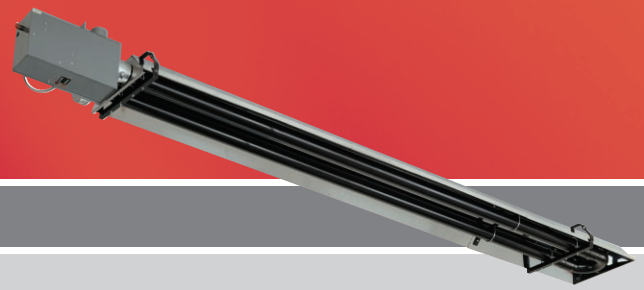
RADIANT TUBE HEATING SYSTEMS



 **AMBIRAD**  
ENERGY EFFICIENT HEATING SYSTEMS

# ER Series

## RADIANT TUBE HEATING SYSTEMS



### Introduction

The ER Series of radiant tube heaters combines efficiency, economy and low noise output and is available in U tube or straight (or double straight) models and can be installed in linear or herringbone configurations.

The ER Series provides quality and reliability and has been installed in many applications throughout the USA, saving clients many millions of dollars.



### Features & Benefits

- Vacuum fan principle, induced burner combustion
- Independently mounted burner and fan assembly with ease of maintenance and reliability
- Burner inputs from 40,000 Btu/h to 150,000 Btu/h
- Stainless steel, aluminum and aluminized reflectors for long life and maximum radiant efficiency
- Durable brackets with bolted reflectors
- Operates on natural gas or propane
- CSA certified
- Cast iron burner head for maximum life

### Optional Features

- Stainless steel burner control housing
- Ducted air intake
- Stainless steel tubes
- Totally enclosed stainless steel fan motors
- 90° bend package
- AmbiRad black bulb thermostats
- End caps for increased radiant efficiency
- Turbulators for increased radiant efficiency

### Model Range

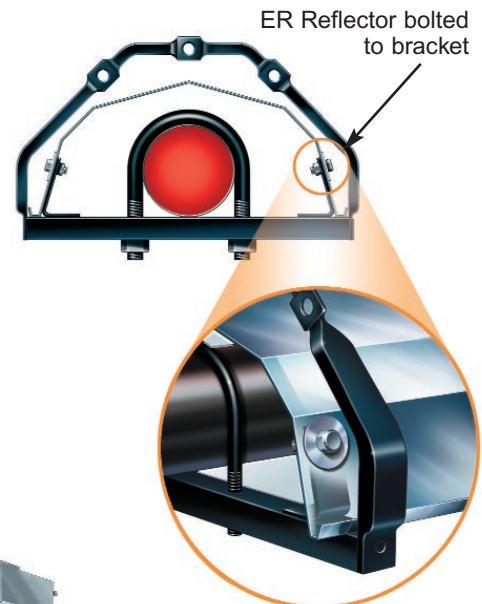
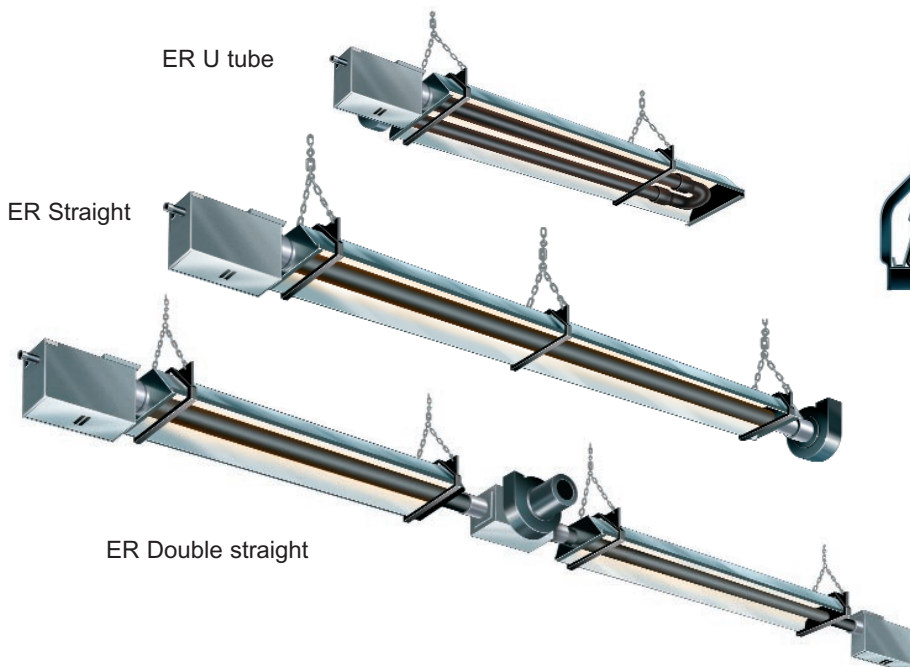
There are 3 ranges in the ER Series:

- SC range with aluminized combustion tubes, mild steel radiant tubes and aluminum reflectors
- ER range with aluminized combustion tubes, mild steel radiant tubes and stainless steel reflectors
- GX range with stainless steel tubes and reflectors for hazardous duties

Each range is available in 3 model types:

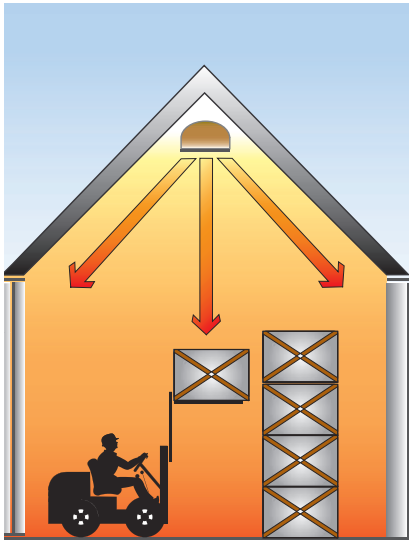
- U tube
- Straight tube
- Double straight tube

All models can be ceiling or wall mounted in linear or herringbone configurations.



## Radiant Heating

Radiant heat warms all solid objects and surfaces in its path through electromagnetic waves. Mounted overhead, AmbiRad radiant heaters produce infrared heat that is directed downwards to low level by a reflector. Infrared energy passes through the air dissipating as heat upon contact with people and surfaces thus creating a comfortable, all-round radiant warmth at lower air temperatures. This reduces wasteful heating of empty space and makes substantial energy savings over conventional boiler and air systems.



## ER Series Applications

- Air hangars
- Auto service bays
- Factories
- Farm buildings
- Fire stations
- Greenhouses
- Loading dock areas
- Sports facilities
- Warehouses

## ER Series

The ER Series offers the engineer a wide range of heat inputs to suit the heating requirements of any industrial or commercial building.



## Customer Service & Design

For your support, AmbiRad radiant heating systems are backed by in-house engineering and technical staff, along with distributors located throughout the United States. This comprehensive customer service package includes Computer-Aided Design (CAD), building heat loss/fuel cost calculations, on-site support, training and system commissioning.

## ER Series - Herringbone

The standard ER heaters can be installed with a common exhaust fan, serving a number of heaters, which reduces the number of flues required.

### Features & Benefits

- U-tube, straight or double straight models can be arranged in herringbone configuration
- Heater rating 40,000 Btu/h to 150,000 Btu/h
- Common exhaust fan for 2-10 heaters
- Aluminum corrosive resistant manifold
- Minimum flue penetration
- Zone control flexibility
- Quieter running





## ER SERIES SPECIFICATION

Range	SC Range	ER Range	GX Range (Hazardous duty)
Aluminized combustion tube	✓	✓	
Aluminum reflectors	✓		
Stainless steel reflectors		✓	✓
Stainless steel combustion tube			✓
Mild steel radiant tube	✓	✓	
Electrical	120V, running current 1.2A, 60Hz		
<b>Gas supply pressure</b>			
Natural gas	6.5 w.c. min. - 14.0 w.c. max.		
LP	11.0 w.c. min. - 16.0 w.c. max.		

## U tube models

### SPECIFICATION

Model	SC/ER/GX 12-U20/U30	SC/ER/GX 15-U20/U30	SC/ER/GX 18-U20/U30	SC/ER/GX 22-U20/U30	SC/ER/GX 29-U35	SC/ER/GX 38-U35	SC/ER/GX 44-U35
Input 1000 Btu/h	40	50	60	75	100	130	150
Tube length ft	20/30	20/30	20/30	20/30	35	35	35
Net weight lbs	125/186	125/186	125/186	125/186	234	234	234

## Straight tube models

### SPECIFICATION

Model	SC/ER/GX 12/15/18/22-S20	SC/ER/GX 12/15/18/22-S25	SC/ER/GX 12/15/18/22-S30	SC/ER/GX 18/22-S40	SC/ER/GX 29/38/44-S40	SC/ER/GX 29/38/44-S50	SC/ER/GX 29/38/44-S60
Input 1000 Btu/h	40/50/60/75	40/50/60/75	40/50/60/75	60/75	100/130/150	100/130/150	100/130/150
Tube length ft	20	25	30	40	40	50	60
Net weight lbs	127	142	166	268	268	323	379

## Double straight tube models

### SPECIFICATION

Model	SC/ER/GX 24-DL	SC/ER/GX 44-DL	SC/ER/GX 76-DL
Input 1000 Btu/h	80	150	260
Tube length ft	40	50	80
Net weight lbs	250	330	520



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