

## High Intensity Gas Infrared Heaters

### Modular Burner Design

The Fostoria modular burner, with ceramic tile, delivers high intensity radiant heating (approx. 1725° F) at the burner surface. The radiant source consists of a serrated ceramic surface with a minimum of 190 perforations per square inch. Flame is concentrated at the tile, increasing the surface temperature, and thus increasing radiant output, while offering greater resistance to drafts and wind.

By utilizing individual venturis for each burner module, each heater achieves nearly 100% combustion efficiency. This reduces the amount of by-products left in the heated space. The modular burner design allows all heaters, 20,000 through 120,000 BTU, to operate at their designed capacity and rating.

### Features:

- CSA, Formerly Known as AGA, Certified Design
- 6 BTU Sizes in Both Natural & LP Gas
- Modular Burners - 20,000 / 17,500 BTUH per Burner
- Designed 8° Angle of Combustion Surface
- Horizontal to 20° Angle Mounting
- .050" Bright Aluminum Reflector
- Reinforced Corners
- Easy Mounting via Chains & 'S' Hooks
- 24V Operating Voltage - Eliminates Need to Run Wiring in Conduit

### Accessories:

- Chain Mounting Kit  
(Consists of (2) 8' Lengths of Chain and (4) 'S' Hooks)
- 24 Volt Thermostat - Model RK120EAA  
(24 Volt, Heat Only, 50°-90° )
- 120 Voltage Control Kit  
(Consists of 120/24 Volt Transformer, Wiring Box with Cover and 8' Cordset. One Kit per Heater Required if Line Voltage Control of Heater is Desired)
- 120 Volt Thermostat - Model TW 141  
(120 Volt, 22 amp, Single Pole, To Be Used with 120 Volt Control Kit)

### Applications:

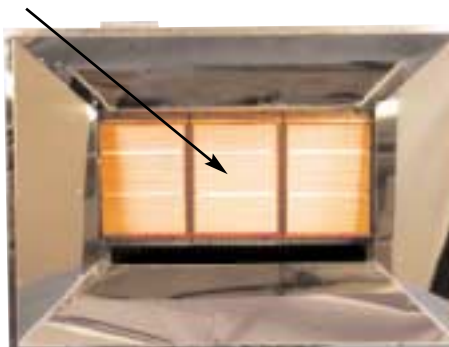
- Factories / Manufacturing Areas
- Farm Buildings
- Pre-Fab Metal Buildings
- Warehouses
- Loading Docks
- Auto Service Garages
- Gymnasiums / Auditoriums



#### Typical Top View

Individual, high temperature cast aluminum burner body with steel venturi tubes to assure effective infrared throughout entire heater surface.

#### Ceramic Burner



#### Bottom View

Each burner body receives an individual ceramic plaque, gasketed and held in place by a steel frame, greatly reducing ceramic replacement.



#### Section

8° angle built into each head, insures positive venting action of combustion gases. All units may be hung in angled position from 0°-20°.

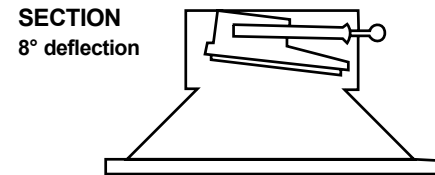
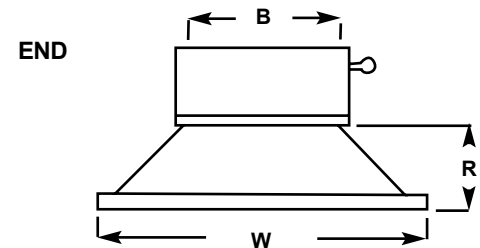
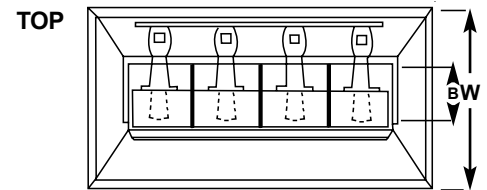
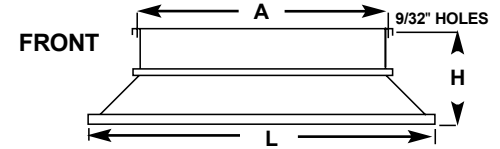
# Gas Infrared Heater



## Specifications

Series (prefix)	FL 20	FL 40	FL 60	FL 80	FL 100	FL 120
<b>BTUH Input</b>						
Natural Gas	20,000	40,000	60,000	80,000	100,000	120,000
LP Gas	17,500	35,000	52,500	70,000	87,500	105,000
<b>Mounting Heights</b>						
Horizontal	10'-12'	12'-16'	16'-20'	20'-24'	22'-28'	24'-30'
Angle 0°-20°	8'-10'	10'-14'	12'-16'	14'-20'	16'-22'	18'-24'
<b>Clearance to Combustible:</b>						
Side	36"	36"	36"	36"	36"	36"
Rear	36"	40"	40"	40"	40"	40"
Top	36"	40"	40"	40"	40"	44"
Below	36"	48"	72"	108"	108"	108"
<b>Dimensions</b>						
L - Length	16-1/4"	22-1/2"	28-3/4"	35"	41-1/4"	47-1/2"
W - Width	20-1/2"	20-1/2"	20-1/2"	20-1/2"	20-1/2"	20-1/2"
H - Height	11-1/8"	11-1/8"	11-1/8"	11-1/8"	11-1/8"	11-1/8"
R - Reflector Height	4-1/2"	4-1/2"	4-1/2"	4-1/2"	4-1/2"	4-1/2"
<b>Mounting Holes</b>						
A - Length	8-5/8"	14-7/8"	21-1/8"	27-3/8"	33-5/8"	39-7/8"
B - Length	10-3/8"	10-3/8"	10-3/8"	10-3/8"	10-3/8"	10-3/8"
<b>Shipping Weight (lbs.)</b>	20#	28#	36#	44#	52#	60#

## Dimensions



## Fostoria Model Nos.

FL__	BTUH (see specs)	Control Option (see below)
Series 20	(20,000)	NESD, NESDH, PESDH, NSG, PSG
40	(40,000)	
60	(60,000)	
80	(80,000)	
100	(100,000)	
120	(120,000)	
Example: FL60 NESDH 60,000 BTU Natural Gas with Electric Spark Ignition, 100% Safety Lockout + 24V Operating Voltage		

## Control Options

- NESD Natural Gas, Electric Spark Ignition, Intermittent Pilot, 24V Gas Valve (24V Operating Voltage)
- NESDH Natural Gas, Electric Spark Ignition, Intermittent Pilot, 100% Safety Lockout, 24V Gas Valve (24V Operating Voltage)
- PESDH LP Gas, Electric Spark Ignition, Intermittent Pilot, 100% Safety Lockout, 24V Gas Valve, (24V Operating Voltage)
- NSG Natural Gas, Manual Pilot Ignition via Self-Generating Power Supply, Millivolt Thermostat Supplied
- PSG LP Gas, Manual Pilot Ignition via Self-Generating Power Supply, Millivolt Thermostat Supplied

A Line Voltage Control Kit (8886100) is available, which includes a 120/24 transformer, thus allowing 120V control.

## Gas Supply

Source	Minimum	Maximum
Natural Gas	6" W.C.	1/2 psi
LP	12" W.C.	1/2 psi

