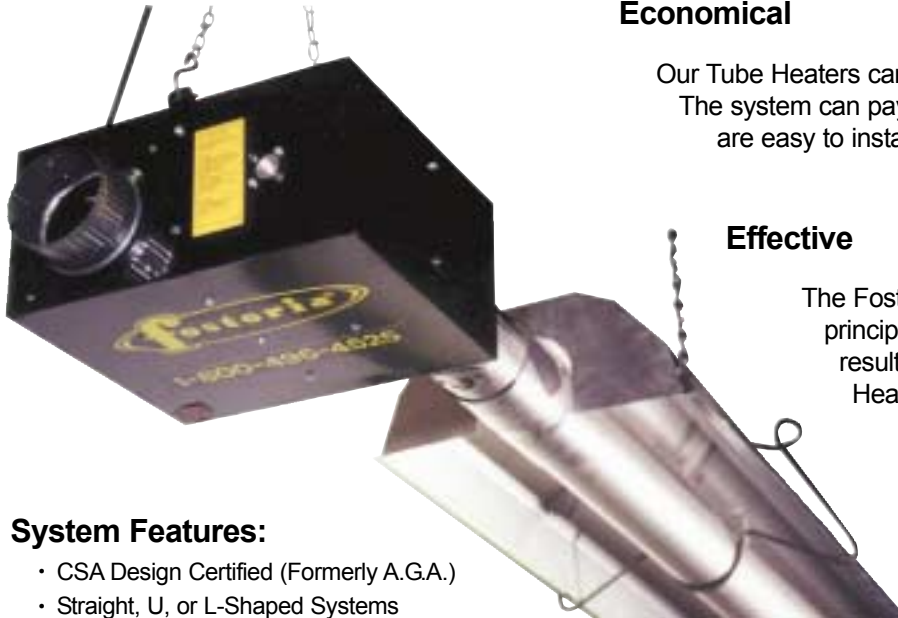


# Gas Infrared Heaters

## Commercial/Industrial Heaters



### Economical

Our Tube Heaters can reduce your heating bill 20% to 50%. The system can pay for itself in a few short years. Heaters are easy to install and require very little maintenance.

### Effective

The Fostoria Tube Heater operates on the same principle as the sun warming the earth. The result is quiet, soft, radiant heat with no drafts. Heat the floor zone, not the ceiling.

### System Features:

- CSA Design Certified (Formerly A.G.A.)
- Straight, U, or L-Shaped Systems
- Versatile - 8 BTU/H Inputs / 15 Tube Lengths
- Minimal Field Assembly

### Burner:

- 40-200 MBTU/H (N or LP gas)
- 120 V controls with Hot Surface Ignition and 100% Safety Lockout
- Single Pressure Switch Operation
- Enclosed Blower (fan with Thermal Overload Protection and Balanced Air Rotor)
- Outside Combustion Air Collar
- Corrosion Resistant Powder-Coated Enclosure
- Operational Indicator Lights
- Site Lens for Viewing Flame / Glow Bar Operation
- High Altitude Models (75-150MBTU/H)

### Heat Exchanger & Reflector:

- 16 ga. / 4" Alumi-therm Steel Combustion Chamber (1st 10' or 20')
- 16 ga. / 4" Hot Rolled Black Steel Emitter Tube(s)
- Optional 16 ga. / 4" Aluminized Black Coated Emitter Tube(s)
- Aluminized Steel Turbulator Baffle for Max. Efficiency
- Milled Aluminum Reflectors Individually Adjustable to 45°
- Reflector End Caps for Increased Efficiency
- Wire Form Hangers that Open for Ease of Installation
- Mounting Chains and S-Hooks Included (Allows for 2' Suspension)

### Accessories:

- Chain Mounting Kit, (item # 8886000)  
(Consists of (2) 8' Chains & (4) 'S' Hooks)
- Flexible Gas Supply Hose, (item # 4321414)  
(24" Stainless Steel without Shutoff Valve)
- Side Wall Vent Kit, (item# 8886200)  
(Consists of Type "B" Draft Hood Connector, Vent Cap, Wall Thimble and 18" Length Vent Pipe)
- Roof Vent Kit, (item # 8886700)  
(Consists of Type "B" Vent Cap, Roof Flashing, Storm Collar and 12" Length Vent Pipe)
- Unvented Outlet Cap, (item # 8886300)  
(4" O.D. with Flapper)
- Inlet Cap, (item # 8886400)  
(4" O.D. with Bird Screen for Outside Combustion Air)
- 90° Elbow Kit, (item # 8880000)  
(90° Elbow, Coupler & 2 End Caps)
- Line Voltage Thermostat - Model TW141, (item # 2609802)  
(120 Volt, Single Pole, 22 amps)
- 24V Control Kit
- Reflector End Caps (Qty. 2), (item # 8880200)

# Gas Infrared Heaters



## Infrared Gas System Specifications

Model No. *	BTU Input	Tube Length	Clearance to Combustibles: 0 Tilt		Clearance to Combustibles: 45° Tilt			Typical Mounting Height 0 & 45°		Overall Length	Ship Wt.
			Top/Below	Sides	Top/Below	L Side	R Side	Min.	Max.		
<b>STRAIGHT TUBE SYSTEMS</b>											
FTH 40 N/P 10	40,000	10'	6 / 70	40	10 / 73	8	64	8'	12'	12' 2"	78
FTH 40 N/P 15	40,000	15'	6 / 70	40	10 / 73	8	64	8'	12'	17' 4"	98
FTH 40 N/P 20	40,000	20'	6 / 70	40	10 / 73	8	64	8'	12'	22' 4"	110
FTH 60 N/P 20	60,000	20'	6 / 70	40	10 / 73	8	64	10'	14'	22' 4"	110
FTH 60 N/P 25	60,000	25'	6 / 70	40	10 / 73	8	64	10'	14'	27' 6"	148
FTH 60 N/P 30	60,000	30'	6 / 70	40	10 / 73	8	64	10'	14'	32' 6"	158
FTH 75 N/P 25	75,000	25'	6 / 70	40	10 / 73	8	64	10'	18'	27' 6"	148
FTH 75 N/P 30	75,000	30'	6 / 70	40	10 / 73	8	64	10'	18'	32' 6"	158
FTH 75 N/P 35	75,000	35'	6 / 70	40	10 / 73	8	64	10'	18'	37' 8"	178
FTH 75 N/P 40	75,000	40'	6 / 70	40	10 / 73	8	64	10'	18'	42' 6"	190
FTH 100 N/P30	100,000	30'	6 / 70	40	10 / 73	8	64	12'	20'	32' 6"	158
FTH 100 N/P35	100,000	35'	6 / 70	40	10 / 73	8	64	12'	20'	37' 8"	178
FTH 100 N/P40	100,000	40'	6 / 70	40	10 / 73	8	64	12'	20'	42' 6"	190
FTH 100 N/P 45	100,000	45'	6 / 70	40	10 / 73	8	64	12'	20'	47' 10"	221
FTH 100 N/P 50	100,000	50'	6 / 70	40	10 / 73	8	64	12'	20'	52' 10"	241
FTH 125 N/P 50	125,000	50'	8 / 82	52	12 / 85	8	79	14'	25'	52' 10"	241
FTH 125 N/P 55	125,000	55'	8 / 82	52	12 / 85	8	79	14'	25'	58' 0"	261
FTH 125 N/P 60	125,000	60'	8 / 82	52	12 / 85	8	79	14'	25'	63' 0"	273
FTH 150 N/P 50	150,000	50'	8 / 82	52	12 / 85	8	79	16'	25'	52' 10"	241
FTH 150 N/P 55	150,000	55'	8 / 82	52	12 / 85	8	79	16'	25'	58' 0"	261
FTH 150 N/P 60	150,000	60'	8 / 82	52	12 / 85	8	79	16'	25'	63' 0"	273
FTH 150 N/P 65	150,000	65'	8 / 82	52	12 / 85	8	79	16'	25'	68' 2"	301
FTH 175 N/P 50	175,000	50'	8 / 82	52	12 / 85	8	79	16'	35'	52' 10"	241
FTH 175 N/P 55	175,000	55'	8 / 82	52	12 / 85	8	79	16'	35'	58' 0"	261
FTH 175 N/P 60	175,000	60'	8 / 82	52	12 / 85	8	79	16'	35'	63' 0"	273
FTH 175 N/P 65	175,000	65'	8 / 82	52	12 / 85	8	79	16'	35'	68' 2"	301
FTH 175 N/P 70	175,000	70'	8 / 82	52	12 / 85	8	79	16'	35'	73' 2"	321
FTH 200 N 60	200,000	60'	8 / 82	52	12 / 85	8	79	18'	40'	63' 0"	273
FTH 200 N 65	200,000	65'	8 / 82	52	12 / 85	8	79	18'	40'	68' 2"	301
FTH 200 N 70	200,000	70'	8 / 82	52	12 / 85	8	79	18'	40'	73' 2"	321
FTH 200 N 75	200,000	75'	8 / 82	52	12 / 85	8	79	18'	40'	78' 4"	341
FTH 200 N 80	200,000	80'	8 / 82	52	12 / 85	8	79	18'	40'	83' 4"	353
<b>U-TUBE SYSTEMS</b>											
FUT 60 N/P 20	60,000	20	6 / 75	40	8 / 73	8	52	10'	16'	13' 9"	124
FUT 60 N/P 30	60,000	30	6 / 75	40	8 / 73	8	52	10'	16'	18' 9"	172
FUT 75 N/P 30	75,000	30	6 / 75	40	8 / 73	8	52	12'	18'	18' 9"	172
FUT 75 N/P 40	75,000	40	6 / 75	40	8 / 73	8	52	12'	18'	23' 11"	204
FUT 100 N/P 30	100,000	30	6 / 75	40	8 / 73	8	52	12'	20'	18' 9"	172
FUT 100 N/P 40	100,000	40	6 / 75	40	8 / 73	8	52	12'	20'	23' 11"	204
FUT 100 N/P 50	100,000	50	6 / 75	40	8 / 73	8	52	12'	20"	29' 1"	255
FUT 125 N/P 50	125,000	50	8 / 87	54	8 / 85	8	70	14'	25'	29' 1"	255
FUT 125 N/P 60	125,000	60	8 / 87	54	8 / 85	8	70	14'	25'	34' 1"	287
FUT 150 N/P 50	150,000	50	8 / 87	54	8 / 85	8	70	16'	30'	29' 1"	255
FUT 150 N/P 60	150,000	60	8 / 87	54	8 / 85	8	70	16'	30'	34' 1"	287
FUT 175 N/P 50	175,000	50	8 / 87	54	8 / 85	8	70	16'	35'	29' 1"	255
FUT 175 N/P 60	175,000	60	8 / 87	54	8 / 85	8	70	16'	35'	34' 1"	287
FUT 175 N/P 70	175,000	70	8 / 87	54	8 / 85	8	70	16'	35'	39' 3"	335
FUT 200 N 60	200,000	60	8 / 87	54	8 / 85	8	70	18'	40'	34' 1"	287
FUT 200 N 70	200,000	70	8 / 87	54	8 / 85	8	70	18'	40'	39' 3"	335
FUT 200 N 80	200,000	80	8 / 87	54	8 / 85	8	70	18'	40'	44' 3"	367

\* "A" added to Model # denotes optional 16ga. Aluminized Emitter Tubing.

\* "H/4" denotes 2000 - 4000 ft. Altitude, "H/6" denotes 4000 - 6000 ft. Altitude

Gas Supply Pressure		
Fuel	Min. (in. w.c.)	Max. (in. w.c.)
Natural Gas	6.0	14.0
LP/Propane	11.0	14.0

Gas Manifold Pressure	
Fuel	In. w.c.
Natural Gas	3.5
LP/Propane	10.5

Altitude	
U.S.	0 - 2,000 ft. (610 m)
Canada	0 - 4,500 ft. (1,372 m)

A Division of TPI Corp.

**FOSTORIA INDUSTRIES, INC. • 1200 N. MAIN ST. • FOSTORIA, OH 44830-0986 • 800/495-4525 • FAX 419/435-0842**

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# Gas Infrared Heater

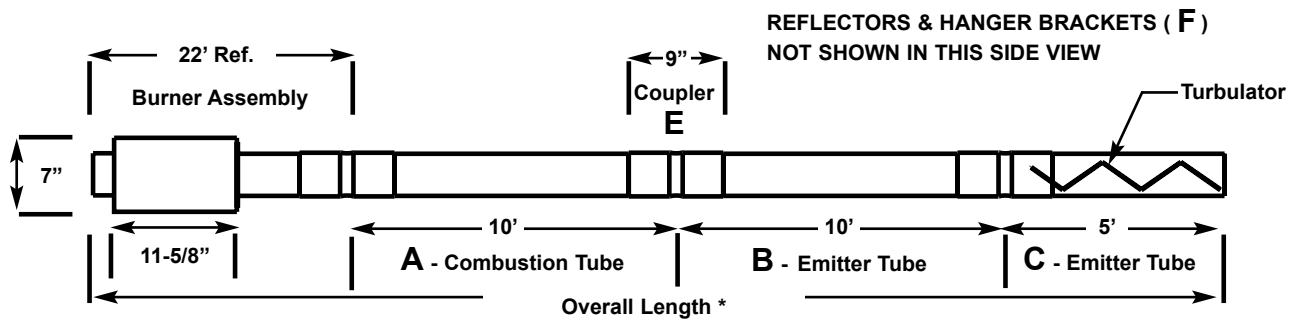
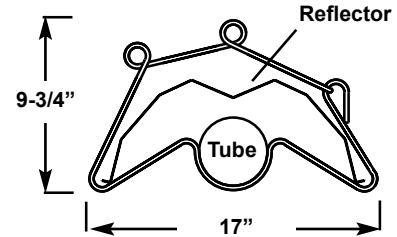


## Complete System Parts List - Straight Tube

Tube Length	Burner Assy.	Qty. A 10'	Qty. B 10'	Qty. C 5'	Qty. E Coupler	Qty. F Hanger
10'	1	1	0	0	1	2
15'	1	1	0	1	2	4
20'	1	1	1	0	2	4
25'	1	1	1	1	3	6
30'	1	1	2	0	3	6
35'	1	1	2	1	4	8
40'	1	1	3	0	4	8
45'	1	1	3	1	5	10
50'	1	1	4	0	5	10
55'	1	1	4	1	6	12
60'	1	1	5	0	6	12
65'	1	1	5	1	7	14
70'	1	1	6	0	7	14
75'	1	1	6	1	8	16
80'	1	1	7	0	8	16

**Mounting Hardware Includes:**  
Chain and S-Hooks to allow for a 24" minimum suspension

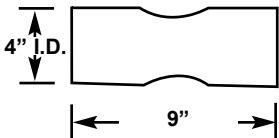
### Hanger - F



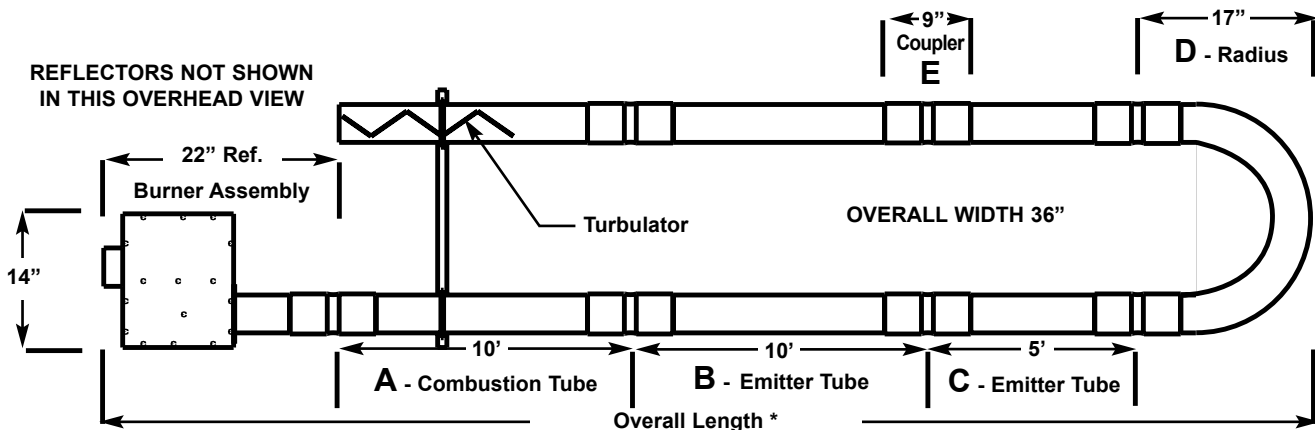
REFLECTORS & HANGER BRACKETS ( F )  
NOT SHOWN IN THIS SIDE VIEW

## Complete System Parts List - U-Tube

### Coupler - E



Tube Length	Burner Assy.	Qty. A 10'	Qty. B 10'	Qty. C 5'	Qty. D U-Tube	Qty. E Coupler	Qty. F Hanger
20'	1	1	1	0	1	3	4
30'	1	1	1	2	1	4	8
40'	1	1	3	0	1	5	8
50'	1	1	3	2	1	7	12
60'	1	1	5	0	1	7	12
70'	1	1	5	2	1	9	16
80'	1	1	7	0	1	9	16



\*SEE PAGE 2 FOR OVERALL LENGTHS