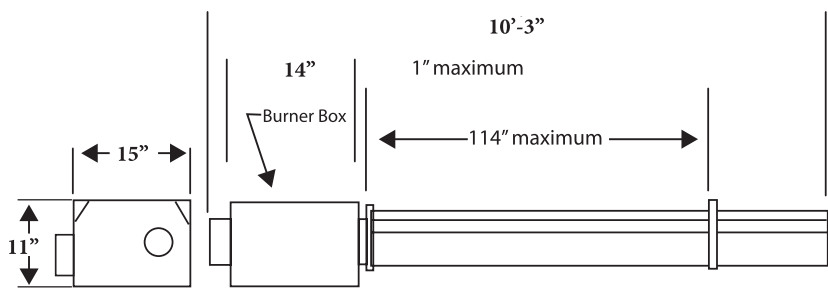


# HS45GSP TUBE HEATER

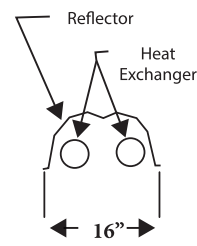
DESIGNED FOR INDOOR AND OUTDOOR USE.



- 45,000 BTU/HR
- Compact 3" aluminized steel U-tube design
- Provides uniform heat distribution
- Polished aluminum deep-dish reflector
- Quiet operation
- Low clearance requirements
- Reliable direct spark ignition
- Burner and tube set in one box



-Side View-



-End View-

### EASY INSTALLATION

- Hang Burner/Tube/Reflector Assembly
- Run Gas, Electric And Vent
- Horizontal Or Angle Mount
- 10'-3" Overall Length
- Air Intake And Exhaust Collars Attached
- Total Weight: 91 lbs.

### OPERATING FLEXIBILITY

- Commercial And Residential Approved
- Indoor And Outdoor Approved
- Limited 3-Year Warranty On Parts & Burner
- Limited 10-Year Warranty On Tube

DATA	HS45GSP-NG	HS45GSP-LP
<b>Stock Number</b>	<b>F102857</b>	<b>F102855</b>
Input (BTU/HR)*	45,000	45,000
Fuel Type	Natural Gas	Propane
Electrical Rating	120VAC, 60Hz, single phase, 1 amp	120VAC, 60Hz single phase 1 amp
Electrical Connection	3 pin moulded plug	3 pin moulded plug
Gas Inlet Connection	1/2" female NPT	1/2" female NPT
Gas Inlet Pressure Minimum/Maximum	5.0" / 10.5" w.c.	11.0" / 13.5" w.c.
Manifold Pressure	4.0" w.c.	10.0" w.c.
Weight	91 lbs.	91 lbs.
Length	10'-3"	10'-3"

VENTING SPECIFICATIONS			
Length Minimum	Length Maximum	Intake Pipe (From Back)	Vent Pipe (From Side)
3'	25'	3.0" diameter	4.0" diameter

ACCESSORIES		
Stock #	Description	UPC
F102848	Vent Kit-Vertical-4" (Galvanized)	0830102848-7
F102860	Vent Kit- Horizontal-4" (Stainless Steel)	08930102860-9
10371	24v Thermostat	856795001230
F102859	Decorative Grid Kit	089301003834
F102834	Install Kit (T-stat, Shut-Off Valve, Flex Connector, 1/2" Nipple)	089301028340

MOUNTING CLEARANCE TO COMBUSTIBLES					
Top	Bottom	Burner Side	Exhaust Side	Reflector End	Burner End
<b>Horizontal</b>					
6"	54"	24"	24"	6"	24"
<b>Angle (Hung Burner Side UP)</b>					
6"	36"	36"	6"	6"	24"



## RADIANT TUBE HEATERS



America's most complete line of infrared heaters

Ratings shown are for elevations up to 2,000 feet. (In Canada, refer to rating tag.) For elevations above 2,000 feet, ratings should be reduced at the rate of 4% for each 1,000 feet above sea level or as specified by local authority having jurisdiction.



# Radiant Tube Heaters



Straight Installation



U-tube Installation



## Features:

- 10-Year warranty\*
- Available in 10 to 60 foot system lengths
- Aluminized 16 gauge steel tubing
- Outside or inside air for combustion
- Sealed burner control box
- Full cover polished aluminum reflector
- Reflectors install horizontally or 45°
- Stainless steel couplers
- Chrome plated hanging brackets
- Underside burner sight glass
- All components are name-brand non-proprietary
- 24 Volt, Single Stage Thermostat or line voltage thermostat option
- **NG burners include LP conversion kit**



Made in USA

\* Warranty limited to 2 years in ammonia, chlorine, chemical exposure and car wash installations.

- Manufacturing Plants • Truck Terminals • Repair Shops & Garages • Warehouses
- Aircraft Hangers • Fire Stations • Green Houses • Automobile Dealerships & Body Shops
- Loading Docks • Farm Buildings • Indoor Sporting Arenas • Stables • Custom Applications

## ERSP Single Stage Burner Boxes - Spark Ignition

NEW

Stock Number	Model Number	BTU/HR	Gas
F102594SP	ERSP-40N	40,000	NG
F102595SP	ERSP-40LP	40,000	LP
F102650SP	ERSP-60N	60,000	NG
F102651SP	ERSP-60LP	60,000	LP
F102652SP	ERSP-80N	80,000	NG
F102653SP	ERSP-80LP	80,000	LP
F102654SP	ERSP-100N	100,000	NG
F102655SP	ERSP-100LP	100,000	LP

NEW

Stock Number	Model Number	BTU/HR	Gas
F102656SP	ERSP-125N	125,000	NG
F102657SP	ERSP-125LP	125,000	LP
F102658SP	ERSP-150N	150,000	NG
F102659SP	ERSP-150LP	150,000	LP
F102660SP	ERSP-175N	175,000	NG
F102661SP	ERSP-175LP	175,000	LP

## ERXL Single Stage Burner Boxes - Hot Surface Ignition

Stock Number	Model Number	BTU/HR	Gas
F102594XL	ERXL-40N	40,000	NG
F102595XL	ERXL-40LP	40,000	LP
F102650XL	ERXL-60N	60,000	NG
F102651XL	ERXL-60LP	60,000	LP
F102652XL	ERXL-80N	80,000	NG
F102653XL	ERXL-80LP	80,000	LP
F102654XL	ERXL-100N	100,000	NG
F102655XL	ERXL-100LP	100,000	LP

Stock Number	Model Number	BTU/HR	Gas
F102656XL	ERXL-125N	125,000	NG
F102657XL	ERXL-125LP	125,000	LP
F102658XL	ERXL-150N	150,000	NG
F102659XL	ERXL-150LP	150,000	LP
F102660XL	ERXL-175N	175,000	NG
F102661XL	ERXL-175LP	175,000	LP

## ER2STG 2 Stage Tube Burner Boxes - Hot Surface Ignition

Stock Number	Model Number	BTU/HR	Gas
F102600	ER2STG60-100NG	60,000 LOW - 100,000 HIGH	N
F102602	ER2STG60-100LP	60,000 LOW - 100,000 HIGH	LP
F102605	ER2STG80-125NG	80,000 LOW - 125,000 HIGH	N
F102607	ER2STG80-125LP	80,000 LOW - 125,000 HIGH	LP
F102610	ER2STG125-175NG	125,000 LOW - 175,000 HIGH	N
F102612	ER2STG125-175LP	125,000 LOW - 175,000 HIGH	LP

All NG burners include LP conversion kit

## Tube Sets - for use with ERXL, ERSP & ER2STG burner boxes

Stock Number	Use with Burner Box Models	Mounting Clearance to Combustibles					Typical Mounting Height	Shipping Weight (lbs.)
		Length	Top-Horizontal	Top-45° Angle	Straight Below	Sides		
F106408XL	ERXL/SP40 (10' Turbulator)	10'	6"	12"	55"	30"	10-14'	90
F106404XL	ERXL/SP60/80 (10' Turbulator)	20'	6"	18"	55"	36"	12-15'	110
F106405XL	ERXL/SP80 (10' Turbulator)	30'	6"	18"	55"	36"	12-15'	130
F106401XL	ERXL/SP100 (5' Turbulator) or ER2STG100 N/LP	30'	6"	18"	74"	36"	12-15'	130
F106406XL	ERXL/SP100/125 or ER2STG125 N/LP	40'	6"	18"	87"	36"	14-19'	150
F106407XL	ERXL/SP125/150/175 or ER2STG125 N/LP	50'	6"	18"	87"	36"	15-25'	170
F106403XL	ERXL/SP150/175 or ER2STG175 N/LP	60'	6"	18"	87"	36"	15-25'	190

Tube sets include: Tubes, reflectors, hangers, couplers, & vent adapter, plus turbulator where necessary

## Accessories

Stock Number	Description
F106414	180° U-Tube Kit
F106415	90° Elbow Kit
00438	Side Reflector Kit
10371	24V ERXL Thermostat

Stock Number	Description
17370	Chain Kit (1 per 10')
F102601	ER2STG Thermostat



**ELECTRICAL**  
120 volt-60 Hz  
Starting Current: HSI: 5.0 amps DSI: 1 amp  
Running Current: 1.0 amps

**COMBUSTION CHAMBER / HEAT EXCHANGER**  
4" Aluminized steel tubing - 16 gauge

**FLUE CONNECTION**  
4" (O.D.)  
**GAS CONNECTION**  
1/2" NPT

**BURNER**  
ERXL heaters are equipped with a silicone carbide hot surface ignition.  
ERSP heaters are equipped with direct spark ignition.  
Both models are equipped with electronic safety circuitry.

**GAS SUPPLY**  
Natural Gas Min 4.6" w.c. - Max 14.0" w.c.  
LP Gas Min 11.0" w.c. - Max 14.0 w.c.

**WARRANTY**  
Limited 10-year warranty on all electrical components, burner and tubes.  
\* Warranty limited to 2 years in ammonia, chlorine, chemical exposure and car wash installations. See 2016 owners manual for complete details.