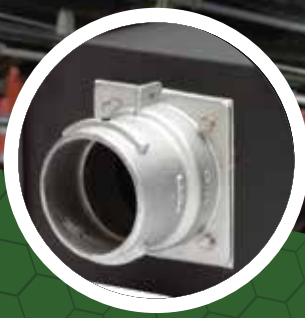


POULTRY RADIANT TUBE HEATERS

*Infrared Heat for Greater Energy Efficiency
and Superior Feed Conversion Ratios*

Building Radiant Heaters Since 1957



Proven, durable heaters

- 2-Year warranty (Tubes)
- Sealed burner control box
- 10' to 60' (3.1 to 18.3 m) lengths
- Alumized tubing
- Install kit included with tube set
- Connects easily to environmental control systems
- Stainless steel couplers
- Chrome plated hanging brackets
- Direct spark ignition



HEATSTAR AG.
COMFORTER



COMFORTER® SERIES RADIANT TUBE HEATERS

COMFORTER® Series Burner Boxes (Powder Coat Painted Burner Shell, Fully Gasket Sealed)

SINGLE-STAGE BURNER BOXES

Item #	Model #	BTU/HR(kcal/hr)	Fuel Type
F102650AG	COMFORTER® 60NG	60,000 (15,129)	Natural Gas
F102651AG	COMFORTER® 60LP	60,000 (15,129)	Liquid Propane
F102652AG	COMFORTER® 80NG	80,000 (20,173)	Natural Gas
F102653AG	COMFORTER® 80LP	80,000 (20,173)	Liquid Propane
F102654AG	COMFORTER® 100NG	100,000 (25,216)	Natural Gas
F102655AG	COMFORTER® 100LP	100,000 (25,216)	Liquid Propane
F102656AG	COMFORTER® 125NG	125,000 (31,520)	Natural Gas
F102657AG	COMFORTER® 125LP	125,000 (31,520)	Liquid Propane
F102658AG	COMFORTER® 150NG	150,000 (37,825)	Natural Gas
F102659AG	COMFORTER® 150LP	150,000 (37,825)	Liquid Propane

*40,000 and 175,000 BTU burners available on special order basis

COMFORTER® SERIES BURNER BOX SPECIFICATIONS

Gas Connection – 1/2 in. (12.7 mm) NPT
 Burner – Direct spark ignition electronic safety circuitry
 Gas Supply – Natural Gas Min 4.6 in. (117 mm) WC; Max 14 in. (356 mm) WC; LP Gas Min 11 in. (279 mm) WC; Max 14 in. (356 mm) WC
 Warranty – Limited 1-year warranty on burner boxes and other components

COMFORTER® Series Tube Sets

STANDARD TUBE SETS (Includes: Tubes, Reflectors, Hangers, Couplers, Tube Vent Cap, Drip Line, Gas Hose, Gas Shut-Off Valve, Gas Nipple, and Turbulator)

Item #	Tube Length - feet (meters)	Weight - pounds (kilograms)
F106404AG	20 ft. (6.1 m)	110 lbs (50kg)
F106401AG	30 ft. (9.1 m)	160 lbs (73kg)
F106406AG	40 ft. (12.2 m)	210 lbs (95kg)
F106407AG	50 ft. (15.2 m)	230 lbs (104kg)

*10 ft. (3.05 m) and 60 ft. (18.29 m) tube sets available on special order basis

COMFORTER® SERIES TUBE SET SPECIFICATIONS

Electrical – 120 volt-60 Hz; Starting Current – 5.0 amps; Running Current – 1.0 amps; **Custom Order – 230 Volt-60Hz/50Hz**
 Combustion Chamber / Heat Exchanger
 First Tube – 4 in. (102 mm) aluminized steel tubing, 16 gauge (1.3 mm) Remaining Tube – 4 in. (102 mm) hot rolled steel, 16 gauge (1.3 mm)
 Flue Connection – 4 in. (102 mm) O.D.
 Warranty – Limited 2-year warranty on all tubes

TWO-STAGE BURNER BOXES

Item #	Model #	BTU/HR(kcal/hr)	Fuel Type
F102600AG	ER2S-60-100NG	60,000/100,000 (15,129/25,216)	Natural Gas
F102602AG	ER2S-60-100LP	60,000/100,000 (15,129/25,216)	Liquid Propane
F102605AG	ER2S-80-125NG	80,000/125,000 (20,173/31,520)	Natural Gas
F102607AG	ER2S-80-125LP	80,000/125,000 (15,129/31,520)	Liquid Propane

*175,000 BTU burner available on special order basis

ALUMINIZED TUBE SETS (Includes: Aluminized Steel Tubes, Aluminum Reflectors, Chains, Hangers, Vent Adapter, Couplers, Keys, and Baffle (where necessary))

Item #	Length - feet (meters)	Baffle - feet (meters)	Weight - pounds (kilograms)
F106404ZZ	20 ft. (6.1 m)	10 ft. (3 m)	110 lbs (50kg)
F106405ZZ	30 ft. (9.1 m)	10 ft. (3 m)	160 lbs (73kg)
F106401ZZ	30 ft. (9.1 m)	5 ft. (1.5 m)	190 lbs (73kg)
F106406ZZ	40 ft. (12.2 m)	none	210 lbs (95kg)
F106407ZZ	50 ft. (15.2 m)	none	230 lbs (104kg)

*10 ft. (3.05 m) and 60 ft. (18.29 m) tube sets available on special order basis



Radiant Heater Accessories

ACCESSORY KITS

Item #	Description
F111756	Comforter® Air Intake Kit (Flexible)
F106414	180 Degree U-tube Kit
F106415	90 Degree Elbow Kit
F119061	3 ft. (9 m) Gas Kit: Two 1/2 in. (12.7 mm) Nipples, Pipe Cap, Tee, 36 in. (9.1 mm) Gas Flex Connect, Shut Off Valve (Recommended for Use with All ZZ Aluminized Tube Sets)
TBD	1/2 in. (12.7 mm) MPT x 1/2 in. (12.7 mm) M Flare, SAE, Brass Adapter Fitting

GAS REGULATORS

Item #	Item Type	BTU/HR(kcal)	Mount Type	Use	Description (inches)	Description (millimeters)
11679	Regulator	800,000 (201731)	Top	Outdoor	1/2" FNPT x 3/4" FNPT - SET TO 11" WC	12.7 mm FNPT x 19 mm FNPT - SET TO 279.4 mm WC
11682	Regulator	1,800,000 (453896)	Back	Outdoor	3/4" FNPT x 1" FNPT - SET TO 11" WC	19 mm FNPT x 25.4 mm FNPT - SET TO 279.4 mm WC
11683	Regulator	800,000 (201731)	Top	Outdoor	3/4" FNPT x 3/4" FNPT - SET TO 11" WC	19 mm FNPT x 19 mm FNPT - SET TO 279.4 mm WC
11684	Regulator	100,000 (25216)	Back	Indoor	1/2" FNPT x 1/2" FNPT - SET TO 11" WC	12.7 mm FNPT x 12.7 mm FNPT - SET TO 279.4 mm WC
11685	Regulator	1,300,000 (327813)	Top	Outdoor	3/4" FNPT x 3/4" FNPT - SET TO 11" WC	19 mm FNPT x 19 mm FNPT - SET TO 279.4 mm WC
11689	Regulator	500,000 (126082)	Back	Outdoor	1/2" FNPT x 1/2" FNPT - SET TO 11" WC	12.7 mm FNPT x 12.7 mm FNPT - SET TO 279.4 mm WC
11692	Regulator	325,000 (81953)	Back	Indoor	SET TO 11" WC	SET TO 279.4 mm WC
F173864	Regulator Kit	100,000 (25216)	Back	Indoor	1/2" FNPT X 1/2" FNPT, w/FILTER	12.7 mm FNPT X 12.7 mm FNPT, w/FILTER
F173865	Regulator Kit	325,000 (81953)	Back	Indoor	1/2" FNPT X 1/2" FNPT, w/FILTER	12.7 mm FNPT X 12.7 mm FNPT, w/FILTER

CGA GAS HOSES WITH FITTINGS (CUSTOM UL21 LP/NG GAS HOSES AVAILABLE)

Item #	Description (inches)	Description (millimeters)
964010-48	3/4" ID x 48", 3/4" MPT x 3/4" JIC Swivel	19 mm ID x 1219.2 mm, 19 mm MPT x 19 mm JIC Swivel
73583	3/8" ID x 120", 1/2" MPT x 1/2" FF	9.5 mm ID x 3048 mm, 12.7 mm MPT x 12.7 mm FF
73584	3/8" ID x 120", 1/2" MPT x 1/2" MPT	9.5 mm ID x 3048 mm, 12.7 mm MPT x 12.7 mm MPT
73585	3/8" ID x 120", 1/2" FPT x 1/2" FF	9.5 mm ID x 3048 mm, 12.7 mm FPT x 12.7 mm FF
73586	3/8" ID x 72", 1/2" FPT x 1/2" FF	9.5 mm ID x 1828.8 mm, 12.7 mm FPT x 12.7 mm FF
73587	1/2" ID x 72", 1/2" FF x 1/2" M SAE ADAPTER	12.7 mm ID x 1828.8 mm, 12.7 mm FF x 12.7 mm M SAE ADAPTER
73588	1/2" ID x 120", 1/2" FF x 1/2" M SAE ADAPTER	12.7 mm ID x 3048 mm, 12.7 mm FF x 12.7 mm M SAE ADAPTER
73589	1/4" ID x 72", 1/2" LHT BALL SEAT, F SWIV x 1/4" M QD PLUG	6.3 mm ID x 1828.8 mm, 12.7 mm LHT BALL SEAT, F SWIV x 6.3 mm M QD PLUG
73590	3/8" ID x 120", 1/2" MPT x 1/2" MPT	9.5 mm ID x 3048 mm, 12.7 mm MPT x 12.7 mm MPT
73591-120	3/8" ID x 120", 1/2" MPT x 1/2" FF	9.5 mm ID x 3048 mm, 12.7 mm MPT x 12.7 mm FF
73592	3/8" ID x 120", 1/2" MPT x 1/2" FF SWIV	9.5 mm ID x 3048 mm, 12.7 mm MPT x 12.7 mm FF SWIV
73593	1/4" ID x 72", 3/8" MPT x 1/4" F SWIV BALL	6.3 mm ID x 1828.8 mm, 9.5 mm MPT x 6.3 mm F SWIV BALL
73594	1/4" ID x 120", 1/2" MPT x 1/4" F SWIV BALL	6.3 mm ID x 3048 mm, 12.7 mm MPT x 6.3 mm F SWIV BALL
73595	1/2" ID x 120", 1/2" MPT x 1/2" FF SW, attach 1/2" MPTx1/2" M SAE ADAPT	12.7 mm ID x 3048 mm, 12.7 mm MPT x 12.7 mm FF SW, attach 12.7 mm MPTx12.7 mm M SAE ADAPT
73596	1/2" ID x 72", 1/2" MPT x 1/2" FF SW, attach 1/2" MPTx1/2" M SAE ADAPT	12.7 mm ID x 1828.8 mm, 12.7 mm MPT x 12.7 mm FF SW, attach 12.7 mm MPTx12.7 mm M SAE ADAPT
73597	1/2" ID x 24", 1/2" MPT x 1/2" FF SW, attach 1/2" MPTx1/2" M SAE ADAPT	12.7 mm ID x 609.6 mm, 12.7 mm MPT x 12.7 mm FF SW, attach 12.7 mm MPTx12.7 mm M SAE ADAPT
73598	1/4" ID x 120", 1/4" LHT BALL SEAT, F SWIV x 1/4" M QD PLUG	6.3 mm ID x 3048 mm, 6.3 mm LHT BALL SEAT, F SWIVx6.3 mm M QD PLUG

NOTICE: Always check local codes for permitted use. See owner's manual for proper installation and operation.

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