



Solaronics Gas-Fired 2-STAGE Tube Heaters Achieve Optimum Energy Efficiency

Unlike other systems claiming 2-stage operation, both air and gas flows of the Solaronics system provide precise air-to-gas ratios at both the high- and low- heat stages for optimum efficiency.

Applications

- Maintenance Facilities
- Warehouses
- Manufacturing Plants
- Loading Docks
- Aircraft Hangars
- Sports Facilities
- Car Washes
- Fire Stations
- Body Shops
- Farm Buildings
- Auto Dealerships

Solaronics True Dual heaters maintain precise control of inside temperatures. The desired comfort level and lower energy costs can now be achieved without "overshooting".

FEATURES:

- Patented 2 STAGE design provides precise matching of air/ gas flows at both high and low fire stages
- 16 gauge black steel heat exchanger standard
- Available in 16 gauge Aluminized Steel or Stainless Steel
- CSA International Design Certified to ANSI/CGA Standards
- Burner fully assembled and tested- ready to hang
- Burner controls fully enclosed and isolated from combustion air

- Safe, reliable operation:
 - Direct spark electronic ignition system
 - 100% Safety Shut-off
 - Pre/Post purge cycles
 - System diagnostic light
- Aluminum reflectors (98% reflectivity) with reflectional efficiency of 91.7% (shape) that directs 33 of 36 infra-red rays directly to the floor.

OPTIONS:

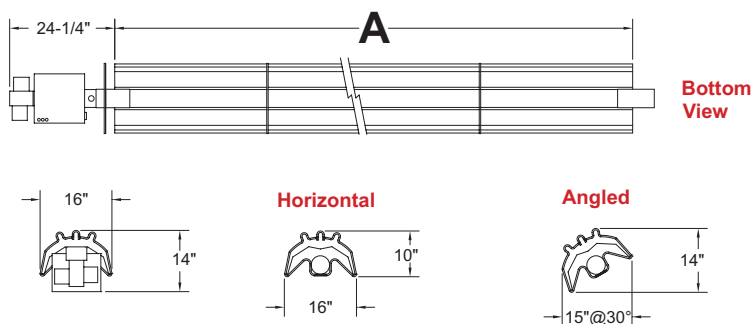
- Inlet Air / Exhaust kits
- Side Reflectors
- 90° Elbows
- Recessed Ceiling Kit
- Common Vent Couplers
- Decorative Aluminum Grille
- Chain Hanging Kits
- Thermostats

WARRANTY:

- **10 Year** - limited warranty on Burner Core and All combustion and heat exchanger tubes
- **3 Year** - limited warranty on All Burner Controls

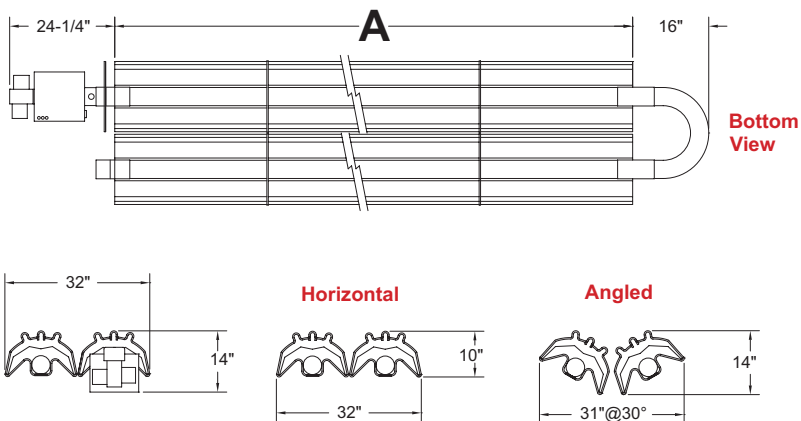
STRAIGHT *TUBE INCREMENTS OF 5' ONLY

MODEL	MBTUH NAT or LP HIGH/LOW	LENGTH* "A"	APPROX. SHIP WT. (lbs.)
MTS	85/65	20'-25'	130-160
MTS	100/65	30'-40'	190-230
MTS	125/95	30'-50'	190-285
MTS	150/100	40'-60'	230-320
MTS	175/125	50'-70'	285-380
MTS	200/145	50'-70'	285-380



U-TUBE *TUBE INCREMENTS OF 5' ONLY

MODEL	MBTUH NAT or LP HIGH/LOW	LENGTH* "A"	APPROX. SHIP WT. (lbs.)
MTU	85/65	10'	155
MTU	100/65	15'-20'	210-255
MTU	125/95	15'-25'	210-310
MTU	150/100	20'-30'	255-355
MTU	175/125	25'-35'	310-410
MTU	200/145	25'-35'	310-410



CLEARANCES TO COMBUSTIBLES

MBTUH INPUT NAT OR LP HIGH/LOW	85/65	100/65	125/95	150/100	175/125	200/145
AVAILABLE TUBE LENGTH (FEET)	20' 25'	30', 35' 40'	30'▲, 35'■ 40', 45'■ 50'	40', 45'■ 50', 55'■ 60'	50', 55'■ 60', 65'■ 70'	50', 55'■ 60', 65'■ 70'
CLEARANCES (INCHES)**						
TOP OF REFLECTOR	12"	12"	12"	12"	12"	12"
FRONT OF REFLECTOR						
MOUNTED 0	24"	24"	32"	48"	58"	68"
MOUNTED 1 TO 30	24"	24"	32"	48"	58"	68"
MOUNTED 31 TO 45	X	X	X	70"	80"	90"
REAR OF REFLECTOR						
MOUNTED 0	24"	24"	32"	48"	58"	68"
MOUNTED 1 TO 30	24"	24"	32"	48"	58"	68"
MOUNTED 31 TO 45	X	X	X	12"	12"	12"
BELOW REFLECTOR	60"	60"	72"	82"	92"	102"

** FOR ALL SYSTEMS: 12" FROM BURNER END AND 68" FROM U-BEND

■ NOT AVAILABLE IN U-TUBE CONFIGURATION

▲ NATURAL GAS ONLY

SYSTEM INFORMATION

Manifold Operating Pressure
Natural Gas & LP/Propane: 5" WC

Minimum Inlet Pressure
Natural Gas: 7" WC
LP/Propane: 11" WC

Maximum Inlet Pressure
Natural Gas & LP/Propane: 14" WC

1/2" FPT Gas Inlet
Electrical Rating:
120 VAC-60 Hz-1 Phase
2.30 max. amp. draw
138 cfm/free air

Solaronics



Gas INFRA-RED Heaters

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