



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

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
- Heavy Duty 12 gauge 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:

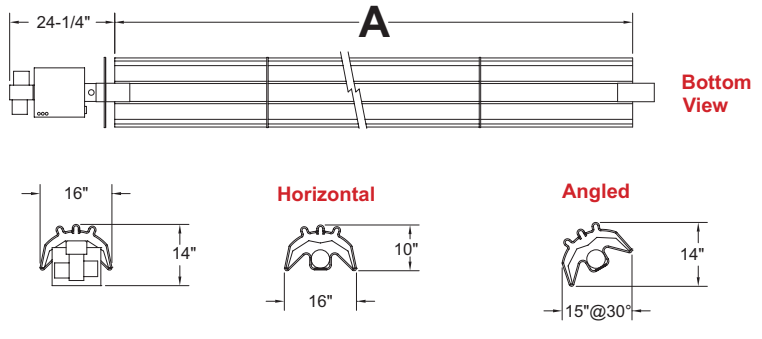
- Inlet Air / Exhaust kits
- 90° Elbows
- Common Vent Couplers
- Chain Hanging Kits
- Side Reflectors
- Recessed Ceiling Kit
- Decorative Aluminum Grille
- Thermostats

WARRANTY:

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

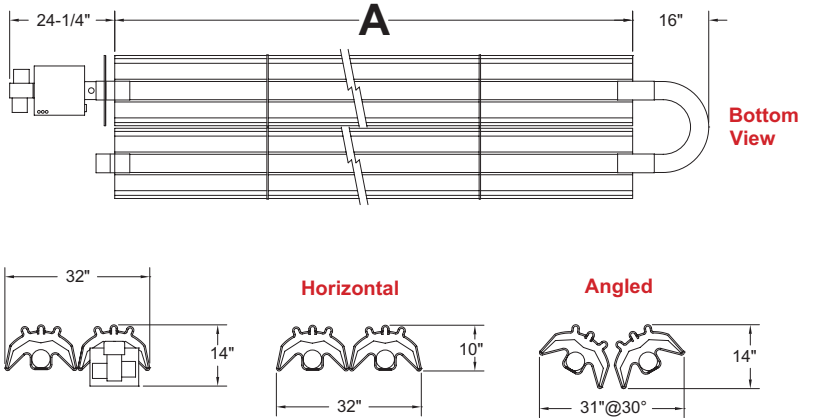
STRAIGHT *TUBE INCREMENTS OF 5' ONLY

| MODEL | MBTUH NAT or LP HIGH/LOW | LENGTH* "A" | APPROX. SHIP WT. (lbs.) |
|-------|--------------------------|-------------|-------------------------|
| MTS | 85/65 | 20'-25' | 150-185 |
| MTS | 100/65 | 30'-40' | 225-275 |
| MTS | 125/95 | 30'-50' | 225-350 |
| MTS | 150/100 | 40'-60' | 275-425 |
| MTS | 175/125 | 50'-70' | 350-475 |
| MTS | 200/145 | 50'-70' | 350-475 |



U-TUBE *TUBE INCREMENTS OF 5' ONLY

| MODEL | MBTUH NAT or LP HIGH/LOW | LENGTH* "A" | APPROX. SHIP WT. (lbs.) |
|-------|--------------------------|-------------|-------------------------|
| MTU | 85/65 | 10' | 170 |
| MTU | 100/65 | 15'-20' | 245-295 |
| MTU | 125/95 | 15'-25' | 245-370 |
| MTU | 150/100 | 20'-30' | 295-420 |
| MTU | 175/125 | 25'-35' | 370-495 |
| MTU | 200/145 | 25'-35' | 370-495 |



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' | 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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