

## **Infrared Radiant Heaters**

*Comfort Heating in Outdoor Applications*

Liberty Electric Products has you covered with a variety of different outdoor heating solutions that can run off electric, natural gas, or propane. We recommend using products for this application that are radiant/ infrared based. Heating objects is the most effective and efficient way to heat outdoors.

- Radiant infrared heating is a versatile and efficient way to add comfort to indoor or outdoor spaces.
- Radiant infrared heat is produced by an intense heat source that emits both heat and heat energy towards objects in its path. Objects in the path of the energy either absorb these energy waves and heat up or get partly absorbed and partly reflected, then bounced around until they hit a surface that absorbs. Air is indirectly heated as the objects in front of the heater absorb energy and re-radiate heat to surrounding areas.



**Infratech Pole-Mounted Electric Infrared**



**SRP EvenGlo Patio Heater**



**Bromic Tungsten Patio Heater**



# ELECTRIC OR GAS/LP?

Electric infrared is 100% source energy to heat efficient and does not have any moving parts. Maintenance typically just involves keeping the reflector clean. These infrareds typically mount below 15'H, and when paired with an Solid State Relay based controller, can precisely manage comfort levels, and save utility costs. We'd recommend higher voltages to get better heat outputs: 208, 240, 277, or 480v.

Gas Infrareds vary in efficiency because of combustion and fuel variables, and do require more regular maintenance to clean spark/ignition rods, combustion related parts. Gas infrareds can be mounted at much higher marks, and are capable of much higher heat output and coverage. Advanced controls are available to push higher efficiencies on larger systems. Not as reliable heat output outdoors unless properly shielded from moving air. Portables usually consume LP.

## Which is better?

*Depends on what you're trying to heat and how much heat you need. Gas and electric can both work outdoors. Gas heaters have much higher outputs, but electric heaters are smaller, compact, and generally an easier install.*



### Infratech W-Series

- 8'H pole w/base anchor plate
- Compatible mounting for Infratech W/WD, & SL heaters
- Outdoor rated on/off duplex switch on unit or remote



### Infratech C, CD, W, WD, & SL Series

- Mounting heights from 8' to 14' max
- Surface, recessed ceiling, or pole mounted
- Up to 6kW output
- 6 colors available
- SSR based controls available for maximum comfort and energy efficiency



### Bromic Platinum Electric

- Mounting heights from 7'-9'H wall or ceiling
- 3.4kW unit can heat a 12' x 9' area
- Tinted glass ceramic screen
- Wireless control capable
- Straight or angle mounting bracket



### SRP eWAVE Electric

- 7-9' mounting recommended
- Up to 4.5kW output
- Single and 3 phase voltages avail
- 13'x 9' heating coverage
- Corrosion resistant
- Slim profile



### Qmark/Berko FR Series

- 7-15' mounting heights
- Up to 11kW output
- 208- 480V available
- 30, 60, and 90 degree reflectors & asymmetrical 60 degree available
- Corrosion resistant stainless available
- 2 and 3 lamp models



### Qmark/Berko ARL Series

- Free standing, tip resistant design
- 120V 1500 watt plug in ready unit available
- Up to 4.5kW output
- 6 colors available
- 120-600v available
- Metal sheath element



### SRP Habenero

- Ideal for patio heating
- No fan, no noise
- 8-10' recommended mounting height, 12'x12' coverage area
- 33" and 48" lengths
- Hi/low/off control



### SRP Even Glo

- 58% more heating radius vs. top competitors
- Nearly 24'x24' radius
- No fan/no noise
- 304 and 316 marine grade stainless available
- Hi/low/off control



### SRP Even Tube

- 9' and 17' lengths
- 4" top reflector clearance to ceiling
- Non-vented
- 9 -16' wall or top mount
- Heating area is 16' from sides and 3' from ends



### Bromic Tungsten

- Patented design can heat in wind up to 8 mph
- Up to 17' heating throw range
- Wall or ceiling pole mount



### Bromic Platinum

- Patented design can heat in wind to 11 mph
- Up to 17' heating throw range
- Very efficient slow release ceramic burner



### Bromic Tungsten Portable

- Resists wind better than competition
- 13'wide, 16' deep heating throw
- Patented adjustable heat controls



### SRP Construction Heater

- Modulating burner control
- NatGas or LP
- Heavy duty design
- No electric required
- Tip over safety switch