



SPACE-RAY®
INFRARED GAS HEATERS



RFPA Series Floor Model Heaters

Solutions For Industrial & Commercial Heating Since 1949

WHY SPACE-RAY INFRARED?

- Infrared heaters warm people and machinery directly, just as the sun, instead of blowing warm air which rises to the ceiling and makes the floor level the most difficult to heat.
- These heaters can achieve greater efficiency, economy, and fuel savings than convection heaters while still providing a high level of comfort heat.
- Space-Ray's heavy gauge stainless steel heat exchanger maximizes radiant energy transfer and the high operating temperature means greater radiant efficiency.
- The heavy duty construction and quality components offer years of reliable service.

BURNER

- Cast Iron Multi-Port Burner For Even Heat Distribution And Long Life.
- Base Mounted Burner And Controls For Easy Access And Maintenance.
- 10-Year Limited Warranty On Cast Iron Burner

CONTROLS

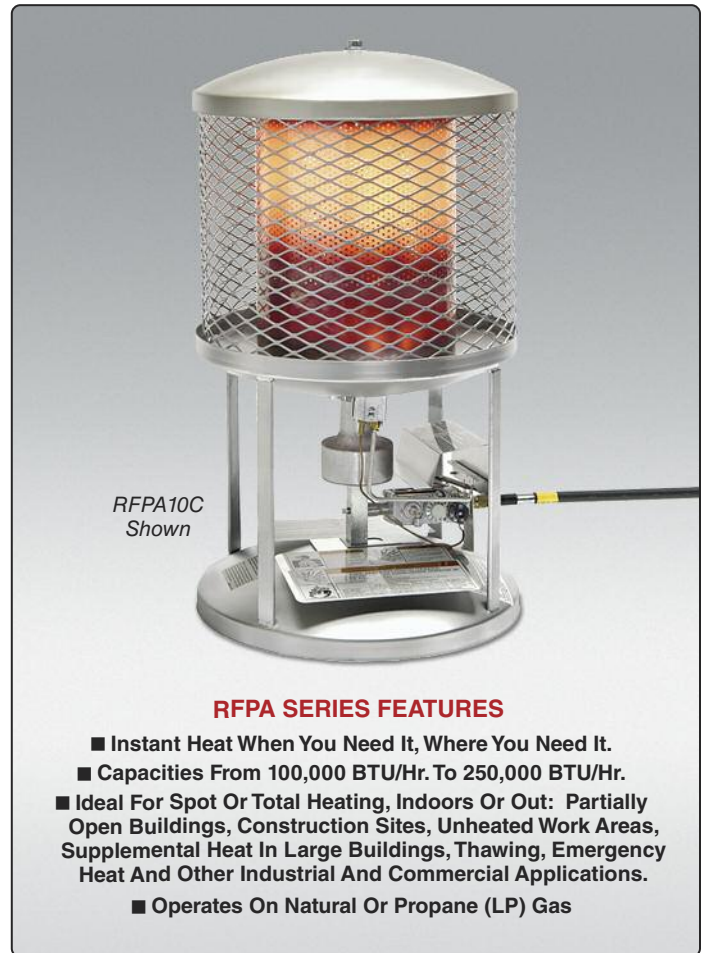
- 100% Gas Shut-Off Safety Controls In The Event Of Flame Failure.
- Pressure Test Point – 1/8" Plug To Check For Correct Operating Gas Pressure.
- No Electrical Supply Required And No Moving Parts.

RADIANT EMITTER

- Stainless Steel Radiant Emitter And Combustion Chamber For Durability.
- Emitter Temperature Averages 1400°F For Higher Radiant Efficiency.

CONSTRUCTION

- Heavy Gauge Steel Body Construction, Welded For Strength And Bolted For Easy Maintenance.
- Expanded Metal Guard To Prevent Contact With Emitter.
- 18" Diameter Heavy Gauge Steel Base Stability.
- Pilot And Main Burner Located Within Combustion Chamber For Protection From Dirt, Draft And Damage.



RFPA SERIES FEATURES

- Instant Heat When You Need It, Where You Need It.
- Capacities From 100,000 BTU/Hr. To 250,000 BTU/Hr.
- Ideal For Spot Or Total Heating, Indoors Or Out: Partially Open Buildings, Construction Sites, Unheated Work Areas, Supplemental Heat In Large Buildings, Thawing, Emergency Heat And Other Industrial And Commercial Applications.
- Operates On Natural Or Propane (LP) Gas

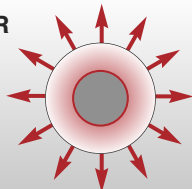
OTHER

- Optional Reflectors Available For Directional Heating.
- Optional Barrier Guard Ring Available For Additional Safety.
- Heaters Can Be Shipped By UPS.

The RFPA Puts Heat Exactly Where You Need It

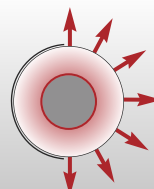
STANDARD HEATER

Directs full radiant heat pattern over a wide area. Radiates heat in a 360° pattern.



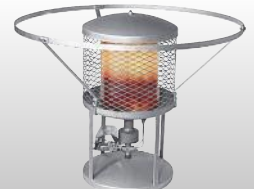
HEATER WITH REFLECTOR

Used where full heat pattern is not required. Radiates heat in a 180° pattern.



BARRIER GUARD RING

Additional safety precaution for where personnel are continually on the move.



Infrared Heating Heats People And Work Areas Directly ...Before Heating The Air

How? It's Radiant Heat. When in operation, the cylindrical stainless steel emitter beams radiant heat around the entire circumference of the heater. People, floors, objects, etc. are warmed directly by the "sun-like" radiant heat. The air itself is not warmed directly. These surfaces absorb this heat and then re-radiate it back to the surrounding air to maintain a blanket of warmth within the work space.



Shop Floor



Warehouse Operations

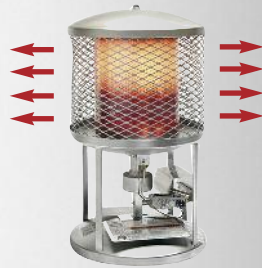


Construction Area

Infrared Heating Compared To Convective Heating

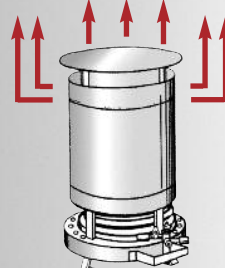
Infrared Heating

Space-Ray infrared heaters direct radiant heat in a 360° pattern. The infrared emitter heats people and objects at the floor level first ...directly, just like the sun



Convective Heating

Convective type heaters generate warm air that rises, leaving floor levels difficult to warm. By heating the air first, convective heaters must operate longer and use more fuel.



MODEL	DIMENSIONS BASE HEIGHT	UNIT WEIGHT (LBS.)	SHIPPING WEIGHT (LBS.)	APPROX. AREA COVERAGE*
RFFA10	18" 34"	51	55	1500 – 2500 SQ. FT.
RFFA21	18" 50"	54	62	1500 – 4000 SQ. FT.
RFFA25	18" 50"	54	62	1500 – 5000 SQ. FT.

*Depending on building heat loss

MODEL	GAS TYPE	CONTROL TYPE	BTUH INPUT	BURNER PRESSURE	SUPPLY PRESSURE		MIN. CLEARANCE TO COMBUSTIBLES	
					MIN	MAX	TOP 54"	SIDE 60"
RFFA10C-N6C	NAT	MANUAL	100,000	3.5" W.C.	5" W.C.	14" W.C.	TOP 54"	SIDE 60"
RFFA10C-L6C	LP	MANUAL	95,000	10" W.C.	11" W.C.	14" W.C.		
RFFA10C-N9A	NAT	THERMOSTATIC	100,000	3.5" W.C.	5" W.C.	14" W.C.		
RFFA10C-L9A	LP	THERMOSTATIC	95,000	10" W.C.	11" W.C.	14" W.C.	TOP 54"	SIDE 144"
RFFA21A-N6	NAT	MANUAL	212,000	3.5" W.C.	5" W.C.	14" W.C.		
RFFA21A-L6	LP	MANUAL	200,000	10" W.C.	5" W.C.	14" W.C.	TOP 168"	SIDE 144"
RFFA25-N6*	NAT	MANUAL	250,000	5 PSI	5 PSI	5 PSI		
RFFA25-L6*	LP	MANUAL	250,000	5 PSI	5 PSI	5 PSI		

*Not submitted for CSA certification

Thermostatic Heater Control



Warning

DO NOT operate the main burner at any setting with the gas control knob at less than full "on" position or at low supply pressures. Sooting can occur. Keep heaters away from combustible materials. Adequate ventilation must always be provided. Personnel must be stationed closer to the heater than listed clearances.

Heaters used with LP Gas must be installed in accordance with NFPA58. Turn LP Gas heaters off at the cylinder when not in use. When in operation keep heaters a safe distance from cylinders as indicated in the instructions. The propane cylinder does not come with the heater.

For Your Safety

OPERATE SPACE-RAY INFRARED HEATERS WITH PROPER CARE AND OBSERVE ALL SAFETY PRECAUTIONS. Carefully follow the printed installation, operation, and cleaning instructions furnished with each heater. Follow the lighting and operating instructions on the nameplate of each heater and use in accordance with National, State, and Local Codes or the authority having jurisdiction.



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