

## RadMax™ Burners



- **Durable, industrial-quality cast iron body construction** with stainless steel tile retainers
- **Direct spark/flame sensing port** for simple, reliable ignition and flame detection
- **Easy tile replacement** — spring clip assembly requires no tools for removal
- **Radiant face temperatures from 1050°F to 1650°F** deliver uniform heat for a variety of processes
- **Rapid heat up and cool down** eliminates the need to rotate burner heads away from product
- **Low profile design** operates in horizontal or vertical applications to accommodate limited space applications
- **No wire screens required** to stabilize combustion on the burner face
- **Low manifold pressures** for normal operation: 4.5" - 5" wc nominal (11.2 – 12.5 mbar)
- **Manifolds can be arranged to allow for multi-width/multi-length operation of burner sections**
- **Retrofit Maxon P/S Radiant II applications by installing RadMax™ on existing manifolds**
- **Can be used in ovens/chambers up to 500°F (260°C).**



CORPORATION

---

201 East 18th Street, P.O. Box 2068, Muncie, Indiana, 47307-0068. Phone (765) 284-3304. Fax: (765) 286-8394

# RadMax™ Burners

RadMax™ Burners are designed to deliver uniform, high intensity radiant energy for moisture removal in textile and paper ovens, paint drying, and powder coating, as well as many pre-heat, plastic forming, heat treating and annealing operations.

## Benefits

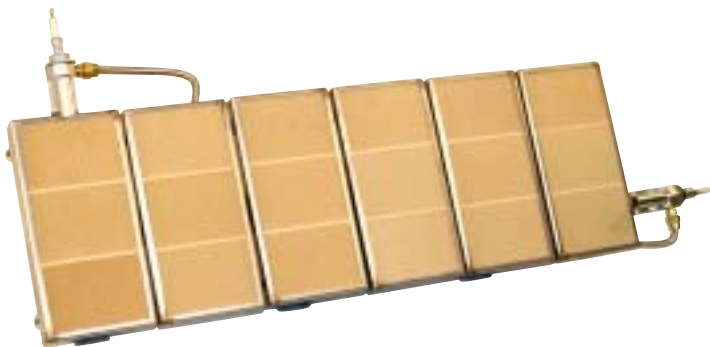
RadMax™ Burners can economically increase production rates, reduce seconds and defects caused by improper or uneven heating or drying, and reduce down time and maintenance costs when the need for service or repair arises.



Front view – Type 13 assembly



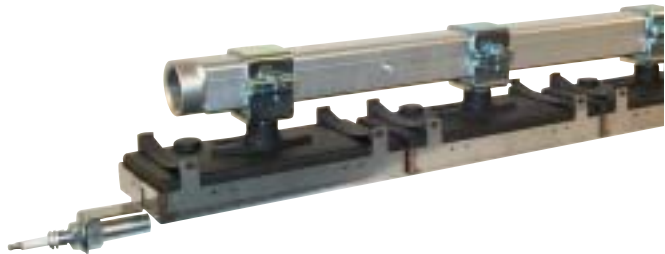
Front view – Type 25 (end-to-end) assembly



Front view – Type 50 (side-to-side) assembly with direct spark/flame sensing ports



Rear view – Type 50 assembly



Side view – Type 25 assembly

## Specifications

1. RadMax™ Burners are full premix fuel/air and will operate on both natural and propane gas. Manifold mixture pressures at the burner range from 1" – 6" wc (2.5 – 15 mbar).
2. The three-tile burner heads have a nominal heat input of 25,000 Btu/hr (7.3 kW).  
**NOTE:** Most systems are designed to nominal capacities. Reduced or extended capacities are possible. Contact Maxon for more information.
3. Normal operating face temperatures range from 1050°F – 1650°F (565°C – 900°C).
4. Burner heads are cast iron bodies with stainless steel tile retainers.
5. Burner tiles are high efficiency, high emissivity tiles.
6. RadMax™ Burner heads have a quick connect feature to remove and replace individual burner heads without removing the whole manifold assembly from the oven.
7. Tiles in the burner head are held in place by spring clip retainer frames. **There are no bolts or nuts to be removed if tiles need to be replaced.**
8. Type 25 and Type 50 utilize the same burner heads. Type 25 are assembled end-to-end; Type 50 are assembled side-to-side.
9. Can be used in ovens/chambers up to 500°F (260°C).



CORPORATION

201 East 18th Street, P.O. Box 2068, Muncie, Indiana, 47307-0068. Phone (765) 284-3304. Fax: (765) 286-8394

11/03