



## **Don't Get Burned! Use Webster's Proven Ultra Low NOx Technology**

Your 9ppm project is too important to trust anyone but Webster and our Rapid Mix Burner (RMB). The RMB has been a dependable ultra low NOx solution for nearly 20 years.

The **Model HDRMB** provides reliable ultra low emissions utilizing the patented\* rapid mix burner technology, which has been proven on hundreds of applications. Combined with the well established performance of Webster's HD series burners, and the unique capability to easily fire gas or oil without any modifications to the burner, the Webster **HDRMB** is the perfect choice for ultra low NOx applications.

## **Webster burners – The Fastest Payback for Your Investment**

The inherently low excess air design of the HDRMB ensures fuel and energy will not be wasted and your equipment will run efficiently. Webster customers enjoy the lowest energy costs, and fastest payback on their investment. Please visit our web site for more details at [www.webster-engineering.com](http://www.webster-engineering.com).

\* United States of America Patent Numbers 5,407,347 and 5,470,224

## **Model HDRMB™**

Ultra-Low Emissions Rapid Mix Burner for Gas or Gas-Oil Firing Applications



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*The Leader in Combustion Innovation*

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## Standard Equipment

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### General

- Blower motor and fan
  - Air inlet louver box
  - Air-FGR mixing box
  - Modulating FGR control Damper
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### Control Cabinet

- Combustion flame safeguard control
  - Indicator lights and control switch
  - Linkage-less control system
  - Motor starter with overload protection
  - Raised terminal strip for easy service and accessibility
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### Gas Control

- Safety pilot burner
  - Ignition transformer
  - Pilot solenoid valve
  - Pilot shutoff cock
  - Pilot regulator
  - Safety test cock
  - Automatic gas valves
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All Webster burners are factory –wired, assembled and tested.

Refractory front plates are supplied with every HDRMB.

Due to their high performance requirements, all HDRMB burners must be started-up by a Webster Factory Authorized service technician.

For complete engineering data contact your local Webster representative.

# Model HDRMB™

## Ultra-Low Emissions Rapid Mix Burner

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### Features

- Linkage-less controls systems.
  - Patented design reduces both prompt and thermal NOx for ultra-low emissions.
  - Compact, stable flame is ideal for firetube and watertube boilers.
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### Capacities

- 5 – 105 MMBtu/hr
  - 125 – 2500 boiler horsepower.
- A wide range of sizes are available for maximum efficiency and performance
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### Applications

- Firetube boilers
  - Watertube boilers
  - Thermal heaters.
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### Fuels Burned

#### Gases:

- Natural, LP, Bio Gases

#### Oil:

- #2 Oil, Low Sulfur Diesel or Amber 363 firing for applications requiring back-up fuel
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### Emissions

#### Guaranteed emissions firing gas as low as:

- Less than 9 ppm NOx.
- Less than 50 ppm CO

Contact your local Webster representative for emissions and performance guarantees

