



# RADIANT WALL BURNER

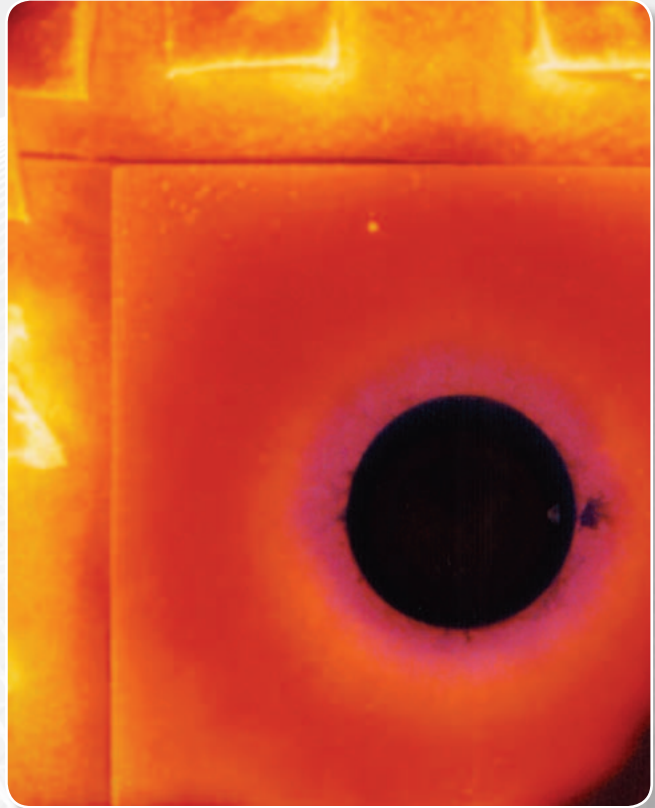
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## RW Series



*RWSF Burner*



*RWSF Burner (straight on shot)*

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## DESCRIPTION

The ZEECO® RW burner is a premixed, staged fuel, radiant wall burner.

## TECHNOLOGY

Zeeco has a full range of burners for cracking furnaces including our RW series low emission premixed radiant wall burner. The Zeeco low emission RW series burner utilizes an advanced venturi design, a customized gas tip and secondary fuel gas injection to achieve very low NO<sub>x</sub> emissions. It does this without creating flame interaction or flame flashback problems.

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BURNERS



FLARES



INCINERATORS



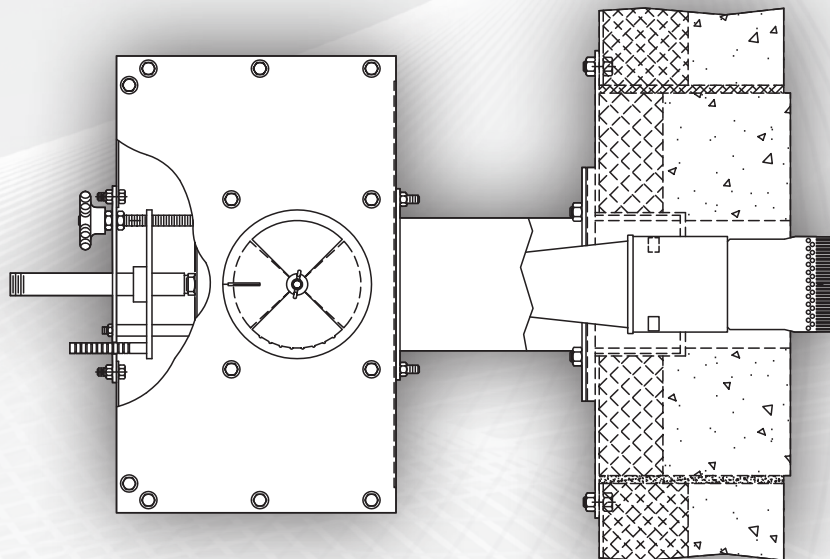
PARTS & SERVICE

COMBUSTION AND ENVIRONMENTAL SOLUTIONS.  
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# Radiant Wall Burner

## DESIGN FEATURES

- Stable flame over a wide range of conditions
- \* Turndown of 3:1 or greater for most cases
- \* Reduced possibility of flashback
- \* Long service life
- \* Operations with a wide range of fuels
- \* 304 Stainless Steel spun venturi / mixer
- \* 310 Stainless Steel (Type HK) gas tip



RW Burner

## DESIGN INFORMATION

Burner Model:	.....	RW Radiant Wall Burner
Fuels:	.....	Gas Only
Description:	.....	Pre-mixed Radiant Wall Burner
NO <sub>x</sub> Reduction Method:	.....	Pre-mixing of the Air and the Gas
Predicted NO <sub>x</sub> Emissions Range (Natural Draft):	.....	18 ppmv to 55 ppmv
Combustion Air Induction:	.....	Natural & Induced Draft
Mounting Options:	.....	Side-fired
Natural Draft Heat Release Range:	.....	0.25 MM to 1.8 MM Btu/hr [0.073 to 0.527 MW]
Turndown:	.....	3:1
Typical Excess Air Range:	.....	10% to 15%

CERTIFICATIONS APPLY TO ZEECO HEADQUARTERS ONLY.



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