

TIME FOR SOMETHING BETTER



Increased efficiency through burner retrofit

# REPLACEMENT OPTION FOR EXISTING HEAT TREATMENT FACILITIES

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## THE JOB

A thermal treatment facility is an extremely durable investment property. Burners are subject to a significantly shorter innovation cycle, especially in recent years. Through new manufacturing technologies, new materials, as well as intensive research and development, burners are now available which are extremely energy efficient, reliable and above all much easier to operate and maintain.

Managers of older installations are looking for ways to revitalize their plants with this modern equipment.



## CURRENT SITUATION

Common problems with older burners:

- Complicated construction
- Difficult to remove/handle
- Trouble cold-starting/start with a loud pop
- Susceptible to interference
- Low efficiency
- Dangerous high-pressure requirements
- High wear
- Costly and complicated maintenance

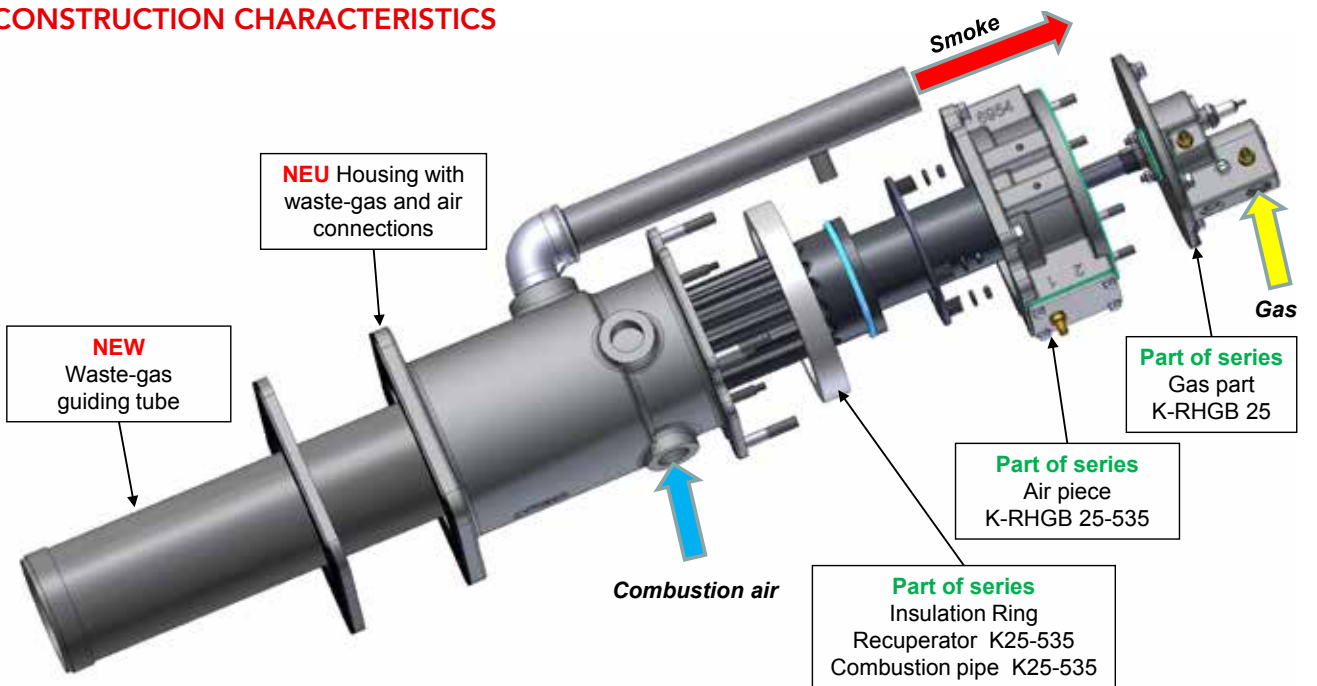


## THE SOLUTION

Based on our proven, reliable high-speed K-RHGB 25 burner with ceramic recuperator, we have developed a low-cost option for replacement of tube-firing burners in a new smaller diameter. Therefore the radiant tubes and flame tubes of the old burner can be left in place as long as they are still serviceable. We've redesigned the burner housing so the existing combustion air, waste gas, and gas connections can all be left in place. This simplifies installation and makes for an easy retrofit.



## CONSTRUCTION CHARACTERISTICS



## ADVANTAGES OF REPLACEMENT

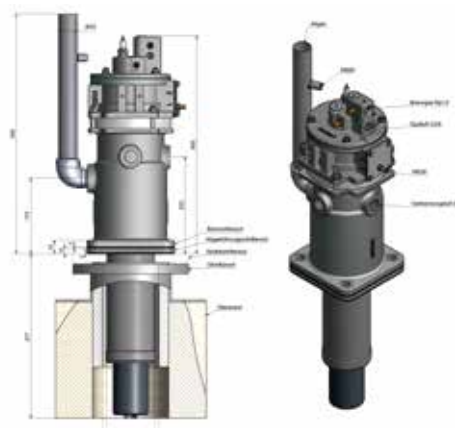
- Greater energy efficiency through improved heat recovery
- Significantly reduced wear
- Simple and low-cost maintenance
- Excellent cold start performance
- Significantly reduced air and gas pressure requirements



## BASIC BURNER TECHNICAL DATA SHEET

Size of burner K-RHGB 25 RN		
Power	kW	25
Power min.	kW	13
Temp. M · x. of the recuperator	°C	1300
Connection Diameter Gas	DN	15
Combustion air connection diameter	DN	25
Cooling air connection diameter	DN	40
Fuel	Natural gas, liquid gas, gas on demand	

The insertion in the oven wall 380 mm  
 Special measures on demand  
 Total height approx 970 mm  
 Exterior diameter of the recuperator 100 mm  
 Connection dimensions Q200, hole circle 210 mm 4x18 mm



### OUR OFFER

- Sending a burner with test kit for trials
- Measurement of saving effects
- Low-cost modification packages with clarification of costs and time
- Advice on all aspects of gas regulation and heating technology



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