

Aerogen
Flame Treatment Specialists

The Aerogen Company Limited

**MANUFACTURER OF INDUSTRIAL GAS BURNERS
AND
INDUSTRIAL GAS COMBUSTION SYSTEMS**



BAK/2007/01

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RIBBON PIPE BURNERS

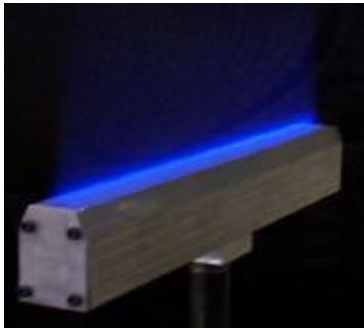
Aerogen "Ribbon pipe burners" are designed for industrial cooking applications. They are widely used for their heating qualities in the production of crackers, biscuits, bread and wafers.





HIGH CAPACITY BURNERS

Aerogen "High capacity burners" are very versatile and can be utilised for an enormous range of heating applications in the food industry. Due to their large flame they are widely used for browning and caramelising products giving a home cooked look.



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FLAME SEARING SYSTEMS

Flame Searing systems utilise Aerogen burner technology to fire directly onto a food product. This gives an all over seared effect, enhancing both flavour and appearance

Oven Shown Manufactured by Food Design Applications: www.fda.ie



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FLAME BRANDING SYSTEMS

Flame Branding systems utilise Aerogen burner technology to heat steel rollers that are applied to meats creating branding lines. This gives the food an authentic grilled or barbequed type appearance.



FLAME COMBUSTION SYSTEMS

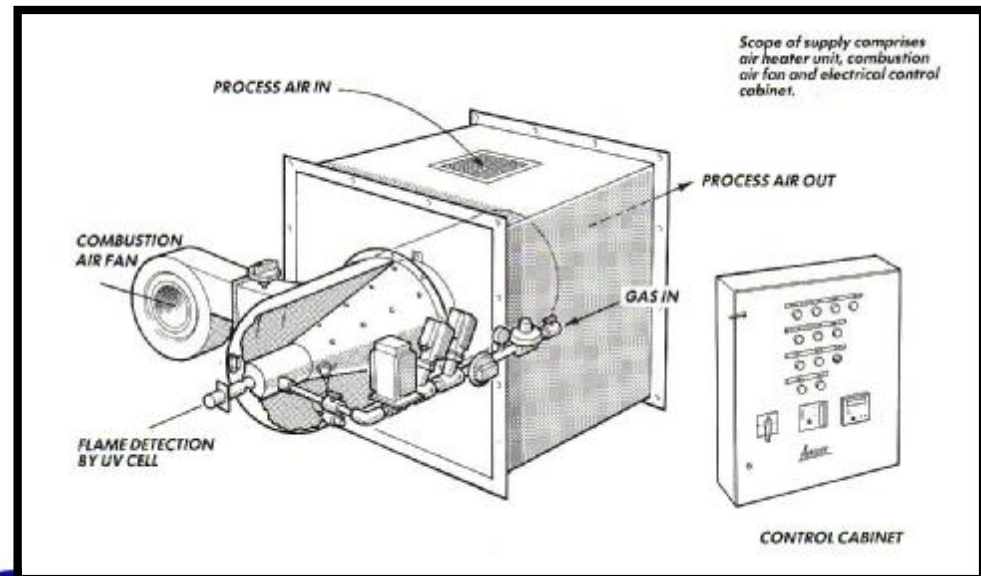
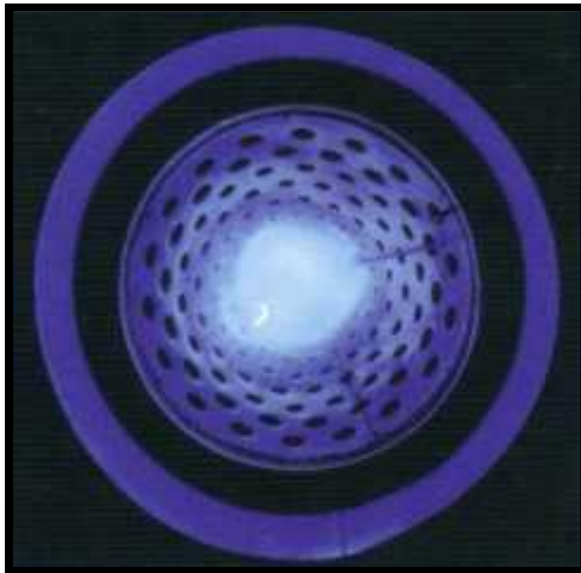
Designed for industrial applications the Aerogen range of “Flame combustion systems” allow for the safe combustion control of burners. Mixing gas and air in a safe manor to be fed to the connected burners. Widely used in combination with Aerogen high capacity burners in the cooking chicken, burgers or vegetables.





INDUSTRIAL AIR HEATERS

Aerogen "Industrial air heaters" offer an effective method of creating hot air on a large scale. The package burner design allows for simple integration. The specialist design allows for a very high accuracy of temperature control. This is most useful in processes including tobacco drying, ink drying, factory heating.





COST EFFECTIVE TECHNOLOGY

Cost effective Cooking.

Gas – Cost effective
Precise temperature
High turn down range with fast response
Low maintenance



Electric – Expensive
Slow temperature Response





GAS VALVE TRAINS AND MIXTURE GENERATOR CABINETS

Forced draft burners require a pre mix of gas and combustion air. This allows for much greater combustion efficiency of gas and also much greater overall burner outputs. Aerogen specialise in the design and manufacturer of gas valve trains that can stand alone in a separate cabinet or be situated on a skid.





GAS VALVE TRAINS

Available for all kinds of burners and flame outputs, Aerogen “Gas valve trains” allow for the individual control of single or banks of burners.

Most commonly integrated where a complete combustion system is not required. Typically in instances where ribbon pipe burners are utilised.

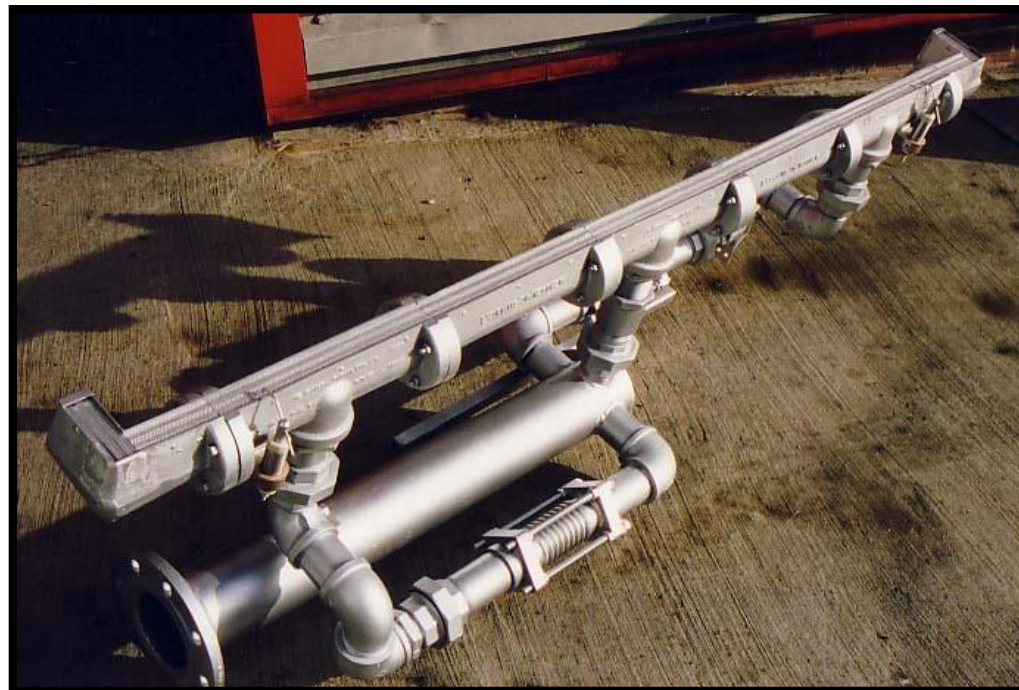
The photo show a gas valve train connected to natural draft gas injectors and Aerogen ribbon pipe burners.





SPECIALIST HEATING APPLICATIONS

Unique burner designs. Due to the unique nature of a large number of industrial heating applications. Specified and designed to exact applications are made to order. Examples are Zig Zig burners for wafer ovens.





ONE OFF BURNERS DESIGNS

Aerogen produce Bespoke burner systems built as one offs to meet individual customer and process requirements. The model shown is an industrial air heater capable of producing process temperatures of 1400°C. It is to be used for testing power station turbines. Aerogen offer on site surveys technical support and analysis to assist with such projects.





THE HISTORY

1925 *The Ideal Home.*

AEROGEN

(Petrol Air Safety Gas)

Lighting—Heating—Cooking— Pumping for Country Houses

ONE simple Aerogen Safety System provides all the above labour-saving conveniences the town dweller derives from the use of ordinary coal gas.

NON-EXPLOSIVE AND NON-POISONOUS GAS.

The AEROGEN Plant is unique by reason of the **EVEN** gas mixture of High Heating Value which it produces.

We also specialise in electrically controlled, automatic Generators for Cooking and Heating only.

Because of its long life its absolute Safety, Reliability and remarkable Simplicity the "Aerogen" is a real acquisition.

Many similar systems have already been introduced in favour of the "Aerogen" who is in fact efficient, and much cheaper to run and maintain.

With an unbroken history of 44 years, the "Aerogen" has to its credit a successful record, and the recommendation of Architects, Country House Engineers, and thousands of satisfied users all over the world.

1881

The AEROGEN Co., Ltd.,
LONDON : : : : : EDINBURGH
30-32, BOLSOVER STREET, LONDON, W.1.
(7 minutes from Oxford Circus—1 minute from Gt. Portland St. Station.)

ESTIMATES FREE

Guaranteed for 5 Years.


AEROGEN
The High-Water Mark of "Efficiency"



1911

THE AEROGEN GAS COMPANY

Works & Office: 30, 31, 32 & 33, Bolsover Street,
Great Portland Street, London, W.



Telegrams: "Aerogen, London,"
Code and Western Union.

Telephone: 702
Hornsey.

SPECIALISTS FOR COUNTRY HOUSE LIGHTING

NO GOLD MEDALS

Highest Awards and Testimonials for Excellence from Royal, Governmental and Municipal Authorities

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