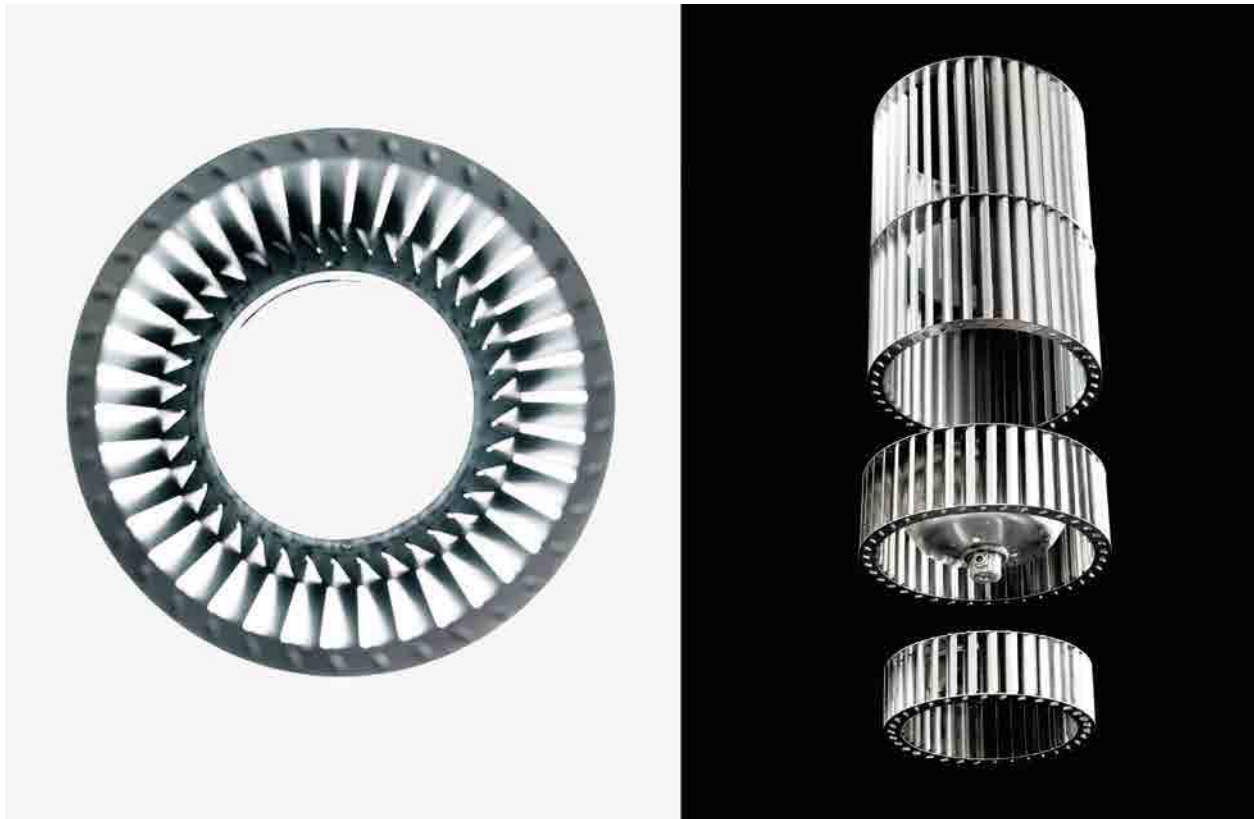




Experts in Moving Air – Everywhere!

**BRYTEC**  
*Our service, your profit!*





## Fergas has been providing air moving solutions for over 65 years

Established in Linköping, Sweden in 1949 by our founder Lennart Wallman, the Company remains under the same family ownership today.

We are a leading global Producer of air moving products.

Fergas has total market presence with manufacturing facilities and universal quality standards in Europe, North America and Asia Pacific. We also have commercial and technical representation throughout the world.

Our Company is committed to product development, production and design. Adoption of new technologies has ensured the success of our business over the last half century and will continue to do so into the future.

Many specialised techniques and products demonstrate our strength in air movement and these include our patented “key rivet” technology for the assembly of blower wheels, our fully automated blower wheel robot line, a patented heater element assembly and also the unique patented AirBlaster™ designed specifically for automotive seat ventilation.

### Our focus is you – our Customer

Our objectives:

- To stay close and understand your needs
- To identify your goals and commitments
- To provide cost-effective air movement solutions
- To support you globally with a reliable consistent and local supply capacity.



Experts in moving air

## We are Fergas! A True Global Supplier

The Fergas Group is continually focused on providing greater value to our customers. Our product range is being extended as well as our geographical reach worldwide. Guided by the same values, business philosophy, and quality standards, our global team is centered on staying close to our customers to understand their needs and expectations, and then providing world class service and products.

### Fergas AB & Fergas AirBlaster AB FERGAS™

Our HQ in Linköping, Sweden since 1949. Featuring highly automated processes and robotics, including our automotive production center along with our R&D facilities supporting the global Fergas group.



### Fergas Asia Pacific Ltd (FAP) FERGAS™ ASIA PACIFIC

Established in 2005 in Hong Kong and Dongguan, China. Fergas Asia Pacific has positioned themselves as the leader in automated production of blower wheels and crossflow blowers for their customers along with providing an optimal geographical location. With an unrivaled level of customer focus and quality products, FAP is positioned to be the long term solution provider for the growing Asia market.



### Fergas South Europe (FSE) FERGAS™ SOUTH EUROPE

Born from the acquisition of Emmevi, Misinto, Italy in 2014, Fergas South Europe offers an extended product range to our customers globally, and has provided the platform for further development of the Fergas Group in the South of Europe.



### Beckett Air Inc (BAI) BECKETT AIR™ MANUFACTURING IN AERIALION TECHNOLOGIES

Founded in 1988 as a joint venture between the Wallman and Beckett families, Beckett Air has through a strong customer focus, achieved a market leading position in North America. Beckett Air produces Fergas blower wheels and crossflows in addition to a wide range of air moving products.



All the companies are intimately linked in our joint mission to offer a truly global support to our customers. The Fergas Group can offer a local engineering support and customer service irrespective of where the product will finally be supplied.

## Why Fergas Products?

Fergas production processes and designs are unique.

The Fergas forward curved blower wheels are constructed using “key rivet” technology creating the most rigid possible design but requiring less material. This results in a much stronger and lighter wheel that retains an exceptional reliability, efficiency and balance. Fergas has a fully automated production process for these wheels.

The Fergas crossflow fan wheels are made in a unique production process that ensures a well balanced product without the need to weight or trim blades. The crossflow housings are produced in a fast, high capacity process using a method that guarantees consistency, strength and rigidity. The crossflow fans are supplied with AC, DC and EC motors.

The Fergas AirBlaster™ and ClimaSeat™ demonstrate further examples of our Company’s innovative approach to air movement. Fergas has provided a solution to automotive environmental problems presented specifically by that industry. The solution has been found to offer benefits in other markets. The result has been that these products are not found only in car and truck seat ventilation but also in medical applications and can also be found as an aid to healthy and comfortable bed designs.

Fergas strives to be an innovative partner. We want to support and assist our Customers to find solutions and develop products that achieve their desired level of excellence.

For all the latest information on Fergas and its range, please visit our website [www.fergas.com](http://www.fergas.com)





## 30mm Ø Crossflow Blowers

The popular Fergas NCB 30 range crossflow is used in many applications such as flame effect fireplaces, dishwashers, medical equipment and many types of electronic cooling applications. It is offered in lengths from 106 to 350 mm single and double units with a wide range of AC and DC motors. It is a preferred option for applications with very limited space and strict sound level requirements. Airflows up to 100 m<sup>3</sup>/h or 59 cfm.



## 45mm Ø Crossflow Blowers

A mid range option that is in regular use in electric fires, microwave ovens and refrigerators. Available in single and double units from 120 to 360 mm and with AC and DC motors. Airflows up to 250 m<sup>3</sup>/h or 147 cfm. Special low profile through-flow version recently added to the range.





## 60-65-80mm Ø Crossflow Blowers

60 mm Ø fans: Available in single and double lengths from 60 to 605mm

65 mm Ø fans: Available in single and double version (180-240-270-300-360mm)

80 mm Ø fans: Available in single and double version

Used in a wide range of products such as ovens, pellet stoves, fireplaces, bottle/can coolers, gas heaters.

Airflows upto 330m<sup>3</sup>/h (60-65mm) and 750m<sup>3</sup>/h (80mm)

EC Technology



## EC Motor Crossflow Blowers

A brand new low energy motor featuring EC technology that allows for up to 50% savings on energy consumption compared to traditional AC shaded pole motors. Fan lengths from 120 to 420mm. Single and double versions. Available with 0-10V speed control. 220-240V or 12/24V DC.



## Ø 100-125 Crossflow Wheels

A new range of large diameter tangential blower wheels produced with patented AutoFlex™ system that combines the benefits of automated assembly with the advantages of flexible design.

Lengths from 215 to 800 mm and six diameters (100/105/110/115/120/125mm).

Material options include aluminum and steel. Wheels can be e-coated for extra protection.

Design and application support available.





New products



## Special Crossflows and Modular Systems

Fergas has over the years developed a number of customised solutions including a crossflow blower with integrated heating element, special motor designs and various forms of customised subassemblies. Fergas welcomes the opportunity for customised solutions and designs.

Fergas new modular systems are available in 30/45/60mm diameter and allow us to connect multiple blowers with single motor in one end.





## Blower Wheels KNA-e and KNA-d Series

The unique Fergas key rivet style wheel has been the choice of the world since 1979. Produced in fully automated robot lines with excellent quality control. Made in diameters from 67 to 224 mm in single or double inlet design with hubs for shaft assembly or adapted for press fit assembly to an external rotor motor. The KNA series can be offered in different materials such as galvanised steel and aluminium.

Fergas also welcomes the opportunity for customized solutions and designs.



## KNB & NB Series

Fergas offers a range of backward inclined wheels: from small diameter AirBlaster™ to popular larger size NB wheels for ventilation applications with diameters from 190 to 280 mm.





## AirBlaster™

The patented Fergas AirBlaster™ blower was specially designed for ventilation of vehicle seats. Optimal for applications with limited space and with requirements for high pressure. Offered with a brushless 12 or 24V DC motor with customized solutions for advanced speed control such as PWM or LINBUS



## Fume Extraction Fans

Fume extraction fans specially conceived for pellet stove application with 150mm Ø impeller.  
Horizontal/vertical working position. H class insulation motor-230V-50Hz. Air flow: up to 185m<sup>3</sup>/h





## Centrifugal Fans

Single and double inlet centrifugal fans. Ideal for small heating and cooling units, vending machines and any application where limited air flow and pressure are requested.



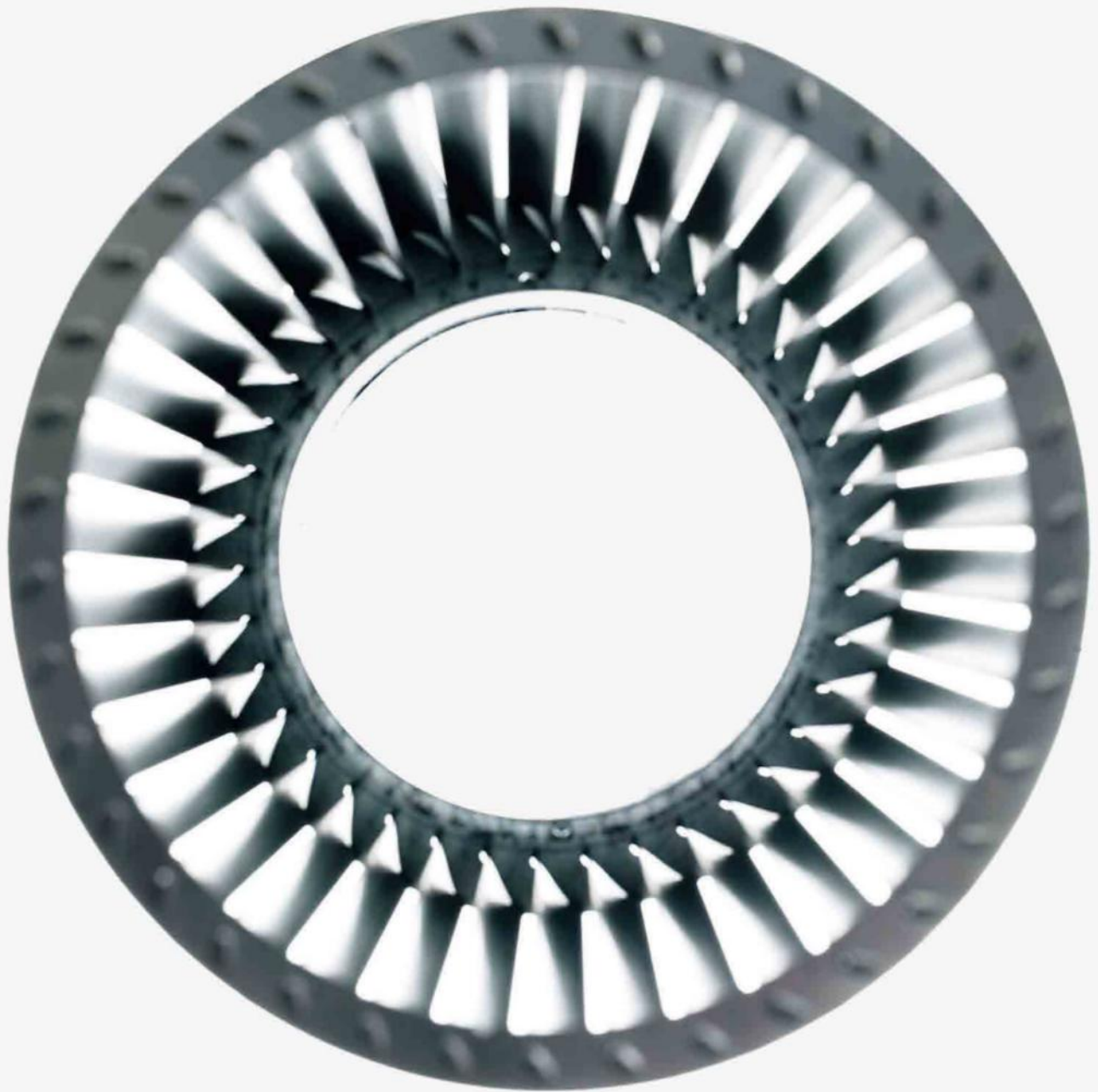
## Oven Fans

With either steel or aluminium blades, these fans are specifically designed for oven, grill or microwave applications. Feature 150mm Ø 6 and 7 blade impellers. Voltage: 230V - 50/60Hz

## Axial Fans

Provide a large airflow where reduced air pressure is required. They feature a low sound level and reduced overall dimensions. Ideal for refrigeration units, small heaters, cooling of electric and electronic equipment and copy machines.





We reserve the right to make any changes to the present catalogue without prior notice

“Your global partner in air moving solutions!”

Surf our Web Site  
for more details

