

The background of the entire page is a blurred, high-angle shot of an industrial interior. On the left side, there are several long, parallel metal beams or pipes, possibly part of a conveyor system or a large structure. The lighting is dramatic, with a strong red glow on the right side and a cooler blue/white light on the left. The overall effect is one of motion and depth.

BECKETT  AIR™

*EXPERTS IN MOVING AIR*

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**Beckett Air is a premier high volume supplier to the HVAC and Appliance industries.**



**Beckett Air produces a full range of air moving components for HVAC and Appliance markets.**

**Beckett Air** has successfully served the HVAC and Appliance industries for over two decades. Through cost effective design, manufacturing efficiencies, on-time deliveries and superior quality; Beckett Air stands ready to fulfill OEM requirements for airflow components.

Beckett Air™ components are found in leading brands of:

Furnaces

Convection Ovens

Range Hoods

Retail Case Coolers

Commercial Appliances

Ventilators

Air Conditioners

Electronic Cooling Units

Commercial Fan Coils

Water Heaters

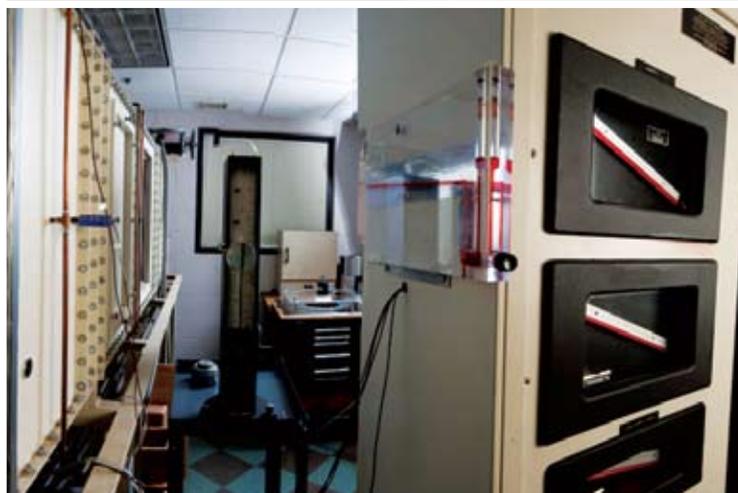
Refrigerators

Humidifiers





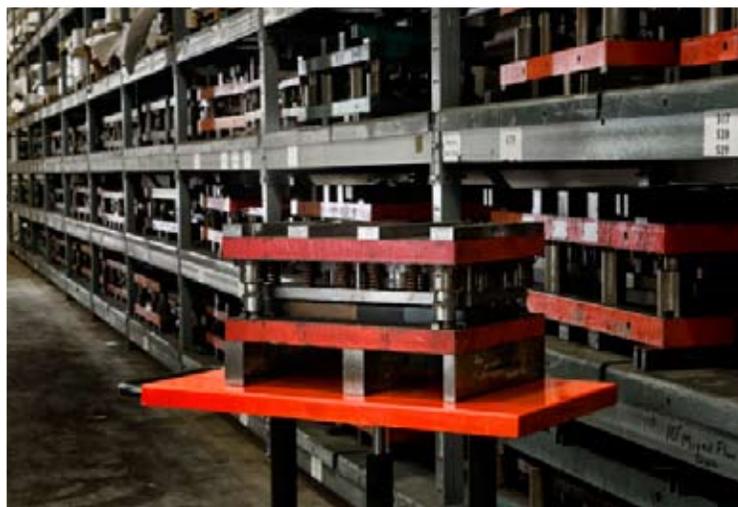
**The operating strategy at Beckett Air is simple** — to give the customer full value — competitive prices, service and quality. Competitive prices are the result of manufacturing and operating efficiencies. This applies to every facet of Beckett Air's business – material, labor, overhead, sales and administration. We are proud of our lean, flat organization and commitment to fully satisfy customer expectations as an efficient and reliable business partner.



## What sets Beckett Air apart...

### **Cost effective product development:**

Beckett Air supports customers from design to delivery, efficiently and on schedule. In-house testing is performed to AMCA standards and recommendations offered that will improve air flow performance and provide a best value solution.



In-house tooling capability translates into quick response time for samples and prototypes. A constantly expanding tool and die inventory accommodates special design requirements from an already broad line of proprietary products. Supporting product development are quality systems such as PPAP, life testing and other procedures insuring Beckett Air products fully meet customer requirements.

### State-of-the art plant and equipment:

Beckett Air's production facility, recently expanded to 130,000 sq. ft., houses assembly and forming machines, including stamping presses, laser cutting machines, welding robots and automatic assembly stations. Automated production and balanced processes produce over 1,600 different product variants; and deliver over 7 million air flow components per year.



### Fast reaction to supply chain demands:

Beckett Air's production is centrally located in northeast Ohio with efficient transportation routes to all points in North America. We offer short leadtimes and fast reaction to changing demand requirements. Our quick change-over capabilities provide fast response to the most urgent of delivery schedules.

### Superior process and quality control:

Tight process control and quality procedures are standard with the goal of zero defects. These in turn provide customers with consistent quality and reliability. Beckett Air obtained ISO9001:2000 certification in 2003 and is a certified supplier to leading North American HVAC and Appliance OEMs.



## Worldwide support and group-wide technical synergy

**Global supply flexibility:** Beckett Air provides worldwide product and service response through its alliances with Fergas AB in Linköping, Sweden, and Fergas Asia Pacific in Dongguan, China.



**Beckett Air Inc.**



**RW Beckett Corp.**



**Beckett Gas Inc.**

### Great tradition of service to the HVAC and Appliance industries:

Beckett Air has a strong pedigree with its roots dating back to 1937 with the founding of R. W. Beckett Corp., and 1949 with the founding of Fergas AB. Today R.W. Beckett and Fergas are strategic partners with Beckett Air in the worldwide HVAC and Appliance marketplaces. In 2005 Fergas Asia Pacific Ltd. was launched as a joint venture between Beckett Air Inc. and Fergas AB.

The Beckett family of companies—including R. W. Beckett, Beckett Air and Beckett Gas—in concert with Fergas AB, have expertise in combustion, air flow, and operating controls. This synergy provides strong technical and manufacturing support from fabrication through appliance assembly. These world class businesses combine to provide customers an almost unlimited array of product and service opportunities.

# Beckett Air: Experts in Moving Air

Standard Product Offering – Contact your Beckett Air representative for Custom Applications

## RADIAL BLOWER WHEELS

### FERGAS™ WHEELS

Fergas wheels outperform competitor tab-lock wheels:

- Stronger and lighter weight construction
- Quieter operation

Materials	Wheel Diameter*
Galvanized Steel	3.3 to 8.8 inches (85 to 224 mm)
Aluminized Steel	



### Advantages of patented Fergas™ blower wheel design:

Fergas wheels outperform competitors' tab-lock design by using a patented "key rivet" manufacturing technique that results in a wheel which is lighter and five times stronger than those made by traditional tab-lock methods. Beckett Air's patented assembly process assures high concentricity and almost perfect balance. The Fergas wheel, compared to a similar size tab-lock wheel, provides higher performance with a quieter and more efficient operation.

### BECKETT AIR™ STRIP WHEELS

Beckett Air strip wheels offer the following benefits:

- Cost efficient design
- Wide dimensional selection
- Suitable for a wide variety of applications

Materials	Wheel Diameter*
Galvanized or aluminized steel	2.5 to 6.5 inches
Aluminum	(64 to 165 mm)



### Advantages of patented Beckett Air strip wheel design:

Patented blade angle and curvature deliver maximum air at peak efficiency. Here too, Beckett Air's patented assembly process assures high concentricity and almost perfect balance. Finally, with a patented ring assembly, this wheel is the most rigidly constructed strip wheel in the industry.

## BLOWER HOUSINGS AND ACCESSORIES

### BLOWER HOUSINGS

- Flexible manufacturing allows customization of most any component.
- Outside width is infinitely variable to suit application requirements.
- Blower housings and inlet rings are available in aluminized steel, with other materials and finishes available upon request.
- Painted housings are available upon request.
- Outlet collars and outlet adapters are also available to fit all Beckett Air Blower Housings.
- Complete product specifications for available sizes can be found at [www.beckettair.com](http://www.beckettair.com) in the blower housing, inlet ring and cover plate specification charts.



## CROSSFLOW & TANGENTIAL BLOWER WHEELS

- Currently used in a wide range of applications such as ovens, fireplaces, bottle/can coolers, gas heaters
- Available with blower housings of galvanized steel with multiple styles for high, low and restricted air intake applications
- Patented assembly method assures a strong and rigid construction.



### Materials

Aluminum Wheel with Galvanized Steel Housing

### Currently Available Size Range

Wheel Diameter: 1.2, 1.8, 2.4, 4.3 inches  
(30, 45, 60 & 110 mm)  
Wheel Length: Various

## MIXED FLOW AND BACKWARD INCLINED WHEELS

### MIXED FLOW WHEELS



- Combines the best of axial and centrifugal properties.
- Highly efficient, increased pressure capabilities, extremely low sound levels and steep performance curve.
- Wheel incorporates own housing

### Materials

Steel

### Wheel Diameter\*

9 & 10 inches (229 & 254 mm)

### BACKWARD INCLINED WHEELS



- High CFM and its rugged construction makes it suitable for high static pressure applications
- Beckett Air design is non-overloading

### Materials

Aluminum

### Wheel Diameter\*

Application Specific

## AXIAL AND RADIAL FANS

### BECKETT AIR'S EXPERTISE IN FAN BLADE DESIGN

With the acquisition of PM Fan Blade Company in 2008, Beckett Air has added over 50 years experience in fan blade design and construction for motor cooling and general air movement.

- Over 20 fan "styles" available
- Beckett Air fans feature cost effective, single piece construction
- Excellent choice for high temperature or high reliability applications
- Axial fans have a high flow rate but low pressure capabilities
- Radial fans can achieve higher pressure levels than axial fans

### Materials

Steel, Aluminum, Stainless

### Fan Diameters\*

1.4 to 14 inches (35 to 356 mm)



## Beckett Air at a glance

Beckett Air began producing high quality blower wheels for the HVAC and Appliance markets in 1988. In 1990 the company introduced the high-efficiency Fergas blower wheel. Today Beckett Air's skilled work force delivers over 7 million airflow components annually. This output is produced in a modern 130,000 sq. ft. facility utilizing high-speed assembly equipment and work cell technology.

Technology is not the only Beckett Air advantage. The company's flexibility, expertise and willingness to meet its customers' engineering and logistic needs are its hallmark.

### **Snapshots of Beckett Air's customized approach to customer satisfaction:**

#### **A leading appliance manufacturer required a new cooling fan supplier for a high-sales-volume convection oven:**

*The customer qualified Beckett Air's quality system on one visit, allowing it to begin production within 30 days.*

#### **A customer needed a North American supplier of tangential blower wheels for a high-volume commercial application:**

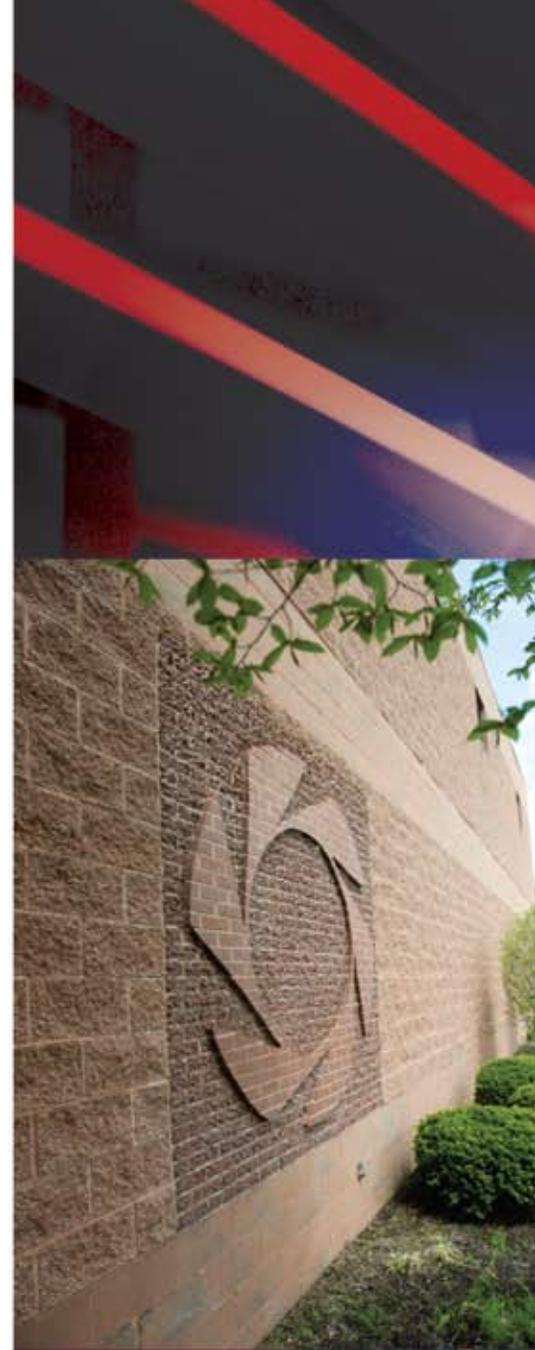
*Beckett Air developed a state-of-the-art manufacturing process to supply a custom cost-reduced product that became part of the customer's strategic drive to improve market position.*

#### **A leading supplier of ventilation equipment searched for a supplier to support its North American and Asian operations:**

*Beckett Air and Fergas Asia Pacific teamed together to deliver product in Asia and the US, and provided product engineering support to both customer locations.*

#### **A customer supplying the mainframe computer industry with blowers had a customer-required engineering change to convert its plastic blower wheels to metal for reliability and performance:**

*Beckett Air designed, tested and delivered a new metal wheel meeting all customer reliability and performance requirements.*



**BECKETT AIR™**

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