

OEM fan expertise at your fingertips

Hot Fans



Specifically designed direct drive fans to handle hot air or the products of combustion from gas burning appliances of temps of up to 250°C.

Utilization of an intermediate cooling impeller (an Airflow pioneering design) eliminates the problem of short motor / bearing life which is commonplace when operating fans at these temperatures. The range covers from 10 l/sec upwards.

Flue Gas Dilution Fans



With the main advantage of avoiding the use of unsightly and expensive flues. The Institute of Gas Engineers UPE 10 / part 1 (issue 3) regulations require that if the products of combustion are dispersed at low level then the CO₂ content must be 1% or less. Airflow's flue dilution range achieves this by introducing fresh air into the boilers discharge flue duct and diluting these flue gases.

Two types of fan case are offered. Aluzinc coated mild steel painted black, known as the GBDF range. Stainless steel (316 Grade), known as the SSDF range, for enhanced corrosion resistance. Each range is available in 5 sizes. This allows a single selection which will cover gas boilers up to 650Kw (2,200,000 Btu). For boilers above this, multiple fan units can be used in parallel.

Special Applications

Many variants on the standard fan range have been designed and manufactured to meet specific applications. This service is available to volume original equipment manufacturers where a minimum of 50+ off are needed at any one time.

Typical Applications

- Dehumidifiers
- Catering ovens
- PBC manufacture
- Vehicle washers
- Bouncy castles
- Fan coil units
- Electronic cooling
- Motor cooling
- Transformer cooling
- Boiler manufacture
- Military
- Tunnel ovens
- Environmental chambers
- Laboratory/medical equipment
- Plastic extrusion manufacture
- Packaging manufacture
- Commercial catering ovens
- Shower/steam cubicles

Performance Testing

Airflow Developments Ltd. has its own air movement test laboratory. Fans are tested for compliance to:

BS EN ISO 5801 : 2008

ErP 2013 / 2015

Centrifugal Impellers and Inlet Rings



Airflow can also offer for original equipment manufacturers bespoke centrifugal impellers and fan components.

Minimum quantities and prices on request.

Our air movement specialists have considerable expertise which is freely available to you. If you wish to discuss a particular application, we are only a telephone or email call away.



Call: 01494 560800

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INDUSTRIAL CENTRIFUGAL FANS



Centrifugal fans and blowers

Airflow have been producing high quality air moving equipment and industrial fans for more than 60 years. During the whole of this period Airflow has been in the forefront of developing new techniques and advanced designs. Today the results of this sustained effort can be clearly seen in the variety and quality of products available for all types of industrial air handling requirements.

Airflow Developments are continuously monitoring changes with regulation requirements for Industrial Fans.

We offer an extensive range of stock fans Ex-stock / Off the shelf.

OEM specials are available to order. All of which incorporate and comply to regulations.

Stock and Standard

A range of single inlet, double inlet, EC, compact and duplex fans and blowers which are suitable for a wide range of air movement applications.

Hot Fans

High temperature centrifugal fans for hot air applications.

Flue Gas Dilution

Mild steel aluzinc or stainless steel fans for safe dispersal of CO₂.

OEM

A range of bespoke, custom designed fans and blowers to suit specific customer requirements. Competitively priced and available in quantity batches.



EC Single and EC Double Inlet Fans



Offering a selection of highly efficient EC motor driven centrifugal fans.

This EC motor option gives energy savings of up to 80% over induction motor type units.

Along with this comes reduced size and lower motor noise.

The range offers single and double inlet options. By combining these options with easy to adjust motor speed control means units can be tuned to a vast range of applications.

Additionally these fans offer:

Forward curved, dynamically balanced impellers.

Typical bearing life up to 25,000 hours.

Galvanised steel, powder coated fan cases.

Outlet flange with fixing holes for easy installation.

Airflows up to 1200 l/sec.

Pressures up to 700Pa.

Suitable for 230V / 240V – 50 / 60Hz 1Ph supply.

This is a range of fans suited for the future.



Single Inlet Fans



A classic range of AC fans developed to provide airflows from 5.1 l/sec to 118 l/sec with pressures up to 500Pa.

Proven forward curved, centrifugal impeller technology gives quiet compact performance.

Robust open frame motors combined with classic design, gives a range of fans suited to limitless applications at a budget cost.

Double Inlet Fans



Originally developed to cover a demand from the domestic warm air system market.

The large air volume, low velocity design offered its self to a much wider range of applications. Two large forward curved, balanced, centrifugal impellers, engineered back to back offer airflows up to 235 l/sec and pressures up to 130Pa.

Motor noise and mechanical vibration is reduced by a patented three point motor mount. Fan speeds can be controlled by voltage variation giving total flexibility.

Compact Fans



Utilising an external rotor motor with impeller and compact design.

Capable of 83 l/sec and up to 310Pa. A thoroughbred design for use where space is critical. The forward curve, tab lock, dynamically balanced impeller give vibration free running.

With a bearing life in ideal conditions of 25,000 hours and able to handle air temperatures up to 65°C.

Duplex Fans



This twin scroll fan is basically two aluminium impellers mounted on a centrally located, double shaft AC motor.

The purpose of this design is to provide airflow across a broad front.

Supplied with an engineered mounting plate for fan stability and easy mounting. Airflows up to 151 l/sec. Ideal for cooling and heating applications that need good system pressure.