

Fans & Blowers

Twin City

Turning Air Into Solutions.



LABORATORY & FUME EXHAUST SYSTEMS
MIXED FLOW & CENTRIFUGAL FANS



Fume Hood Exhaust

Standard Features (all models):

- 125 mph wind-load rating (without the need for guy wires)
- Stainless steel hardware
- 2.0 SF on all belt drive fans
- High velocity nozzles
- Efficient design
- Quality construction

Common Accessories (all models):

- Heavy gauge single wall mixing plenum boxes with modular construction
- Double wall, insulated mixing plenum boxes with modular construction
- Heavy duty dampers
- Actuators
- Jib cranes
- Special coatings
- Special materials
- Acoustic attenuated windbands
- Heavy gauge roof curbs
- AMCA spark resistant construction



QIFE Dual Unit



**AMCA 260
TESTED**

TVIFE Mixed Flow, Induced Flow (Patent Pending)

The TVIFE is an arrangement 4, direct drive, induced flow fan that utilizes a mixed flow wheel. The TVIFE housing uses an innovative Turbo-Vane™ design that integrates the internal nozzle and straightening vanes into one. Turbo-Vanes™ induce air within the fan housing as well as the windband, giving the best entrainment and efficiency in the industry. The design also allows for uniform motor cooling, while keeping the motor out of the airstream. Sizes are available from 12.5" up to 66" and capable of handling over 80,000 cfm. Twin City Fan & Blower model TVIFE is tested and certified in accordance with AMCA 260 (induced flow) for air and sound.



**AMCA 260
TESTED**

BAIFE / BCIFE Centrifugal Induced Flow

The BAIFE utilizes a highly efficient airfoil bladed centrifugal wheel and is tested and certified in accordance with AMCA 260 (induced flow) for air and sound. Available in arrangements 1, 4, 8, 9, & 10.

The BCIFE utilizes a backward inclined centrifugal wheel and is intended for high moisture and high temperature applications. The BCIFE is tested in accordance with AMCA 260 (induced flow) for air and sound. Available in arrangements 1, 4, 8, 9, & 10.



**AMCA 260
TESTED**

**QIFE
Mixed Flow,
Induced Flow**



The model QIFE is an arrangement 9 belt driven induced flow fan utilizing a mixed flow wheel. Sizes are available from 12.5" up to 66" and capable of handling over 75,000 cfm.

The nozzle on the QIFE has a built-in drain pan to reduce potential rain entry into the building when the fan is not running. Twin City Fan & Blower model QIFE is tested and certified in accordance with AMCA 260 (induced flow) for air and sound.



**QFE / TFE
Mixed & Inline
Centrifugal**



The TFE is an arrangement 9 belt driven inline centrifugal fan that utilizes a high velocity discharge nozzle to achieve a high plume height. The TFE offers a gravity damper at the fan outlet for full positive shut-off when the fan is not in use, which prevents rain from entering the building.

The QFE is similar in design, but incorporates a high efficiency mixed flow wheel design.



Twin City Fan & Blower

As application experts in the field of air moving equipment, Twin City Fan & Blower has been manufacturing fume exhaust fans for over 15 years. We can offer these units in standard configurations as well as in highly customized configurations for special applications.

Our full line of high plume and high dilution fans are designed to exhaust laboratory/hazardous fumes in a safe and efficient manner. These fans reduce the need for unsightly tall stacks and provide customers with a "clean roofline".

Common Uses (Fume Exhaust Fans)

- Universities
- Schools
- Hospitals
- Research Facilities
- Laboratories
- Restaurants
- Waste Water Treatment Plants

Twin City Fan & Blower can also offer fume exhaust fans for special and industrial applications using specialized versions of the following models as well:

- RBO - Radial Bladed Fans
- RBA - Radial Bladed Fans
- RBR - Radial Bladed Fans
- JRW - Radial Bladed Fans
- CIW - Pressure Blowers
- TPB - Pressure Blowers
- TPD - Pressure Blowers

INDUSTRIAL & COMMERCIAL FANS

Centrifugal Fans | Utility Sets | Plenum & Plug Fans | Inline Centrifugal Fans

Mixed Flow Fans | Tubeaxial & Vaneaxial Fans | Propeller Wall Fans | Propeller Roof Ventilators

Centrifugal Roof & Wall Exhausters | Ceiling Ventilators | Gravity Ventilators | Duct Blowers

Radial Bladed Fans | Radial Tip Fans | High Efficiency Industrial Fans | Pressure Blowers

Laboratory Exhaust Fans | Filtered Supply Fans | Mancoolers | Fiberglass Fans | Custom Fans



A Twin City Fan Company

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