

## Inline Fans

Can a duct fan be a ...?

# FOR TAILORED VENTILATION, JUST GET INLINE



In air management, the versatile inline fan is often overlooked. These reliable companions, while providing exhaust, also excel in air dilution, mixing, and cooling. It's time for a fresh perspective. Let's reimagine their full potential!




## FG SERIES

(100 - 880 CFM, AC OR EC)

Galvanized metal fan for **indoor** use, ideal for bathrooms, kitchens, or as an HVAC booster. Available in common sizes, up to 12".



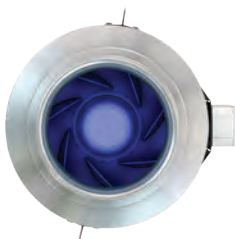
	FG 4	FG 4XL	FG 4XL EC	FG 6	FG 6M EC	FG 6XL
Installation	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Airflow, cfm <sup>1</sup>	100	150	166	260	330	450
Material	Metal	Metal	Metal	Metal	Metal	Metal
ENERGY STAR® Compliant		-				-

	FG8	FG 8 EC	FG 10 EC	FG 10XL	FG 12XL	FG 12XL EC
Installation	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Airflow, cfm <sup>1</sup>	410	390	460	610	880	750
Material	Metal	Metal	Metal	Metal	Metal	Metal
ENERGY STAR® Compliant	-			-	-	

## FKD SERIES

(778 - 1245 CFM, AC OR EC)

High airflow for **indoor** use, ideal for various applications, including residential remote kitchen exhaust & commercial bathroom exhaust where higher static pressure is needed. Up to 20" and 6000 cfm.




	FKD 8 XL	FKD 10	FKD 12
Installation	Indoor	Indoor	Indoor
Airflow, cfm <sup>1</sup>	778	1203	1245
Material	Metal	Metal	Metal
ENERGY STAR® Compliant	-	-	-

## FR SERIES

(120 - 280 CFM, AC)

Versatile fan with plastic resin housing for **indoor** and **outdoor** use. Ideal for general supply/exhaust, bathroom exhaust, and more. Sizes up to 6" for residential and commercial applications.



	FR 100	FR 150
Installation	Indoor/Outdoor	Indoor/Outdoor
Airflow, cfm <sup>1</sup>	120	280
Material	Resin	Resin
ENERGY STAR® Compliant		-

<sup>1</sup>cfm @ 0.2" P<sub>s</sub>



# VENTILATE YOUR WAY

## Inline Duct Fans

Here are some of our favorite inline duct fan applications for creating better everyday living.



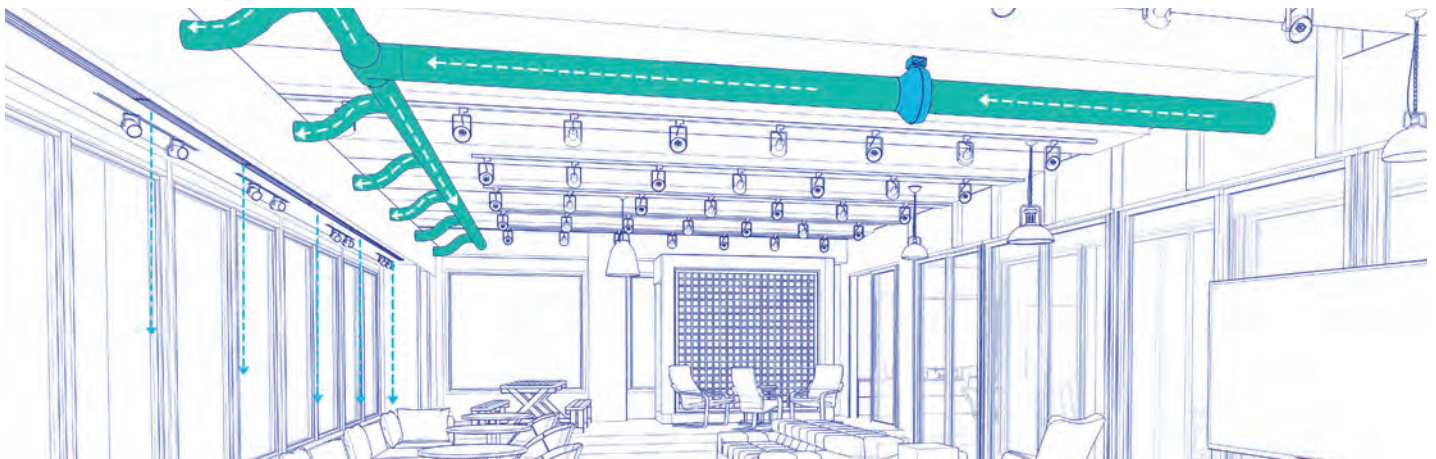
### BOOST TO REMOTE ROOM

SHOWN WITH FG SERIES AND MGS SUPPLY GRILLE

Move preconditioned air to far reaching areas of the house using an inline fan—a cost-effective solution for enhanced comfort in changing temperatures.

Improving:

- Airflow between rooms for optimal temperature distribution.
- Removal of humidity and odors, ensuring a refreshing atmosphere.



### CONFERENCE ROOM

SHOWN WITH FG SERIES

Enhance indoor air circulation with the ceiling-mounted inline fan—a powerful duct booster drawing additional air from the building's HVAC system on demand, addressing diverse needs.

Improving:

- The effective curb of window air infiltration, especially on cold or hot days.
- Ventilation during meetings by boosting air circulation to effectively dilute CO2 levels.

... and more

# Can an inline duct fan be a ...



## Agriculture fan?

Yes, an inline fan can:

- Provide supply ventilation to barns, poultry houses.
- Remove moisture, prevent condensation, provide fresh air.

Consider the **FKD Series** for effective ventilation, up to 225 CFM per 1,000 lbs of live-stock in hot seasons.



## Art studio fan?

Yes, an inline fan can:

- Remove particles, vapors, and moderately toxic fumes.
- Provide a local exhaust of highly toxic fumes at the spot.

Consider an **FG Series fan with FD60EM timer** for optimal studio exhaust during artist presence.



## Attic fan?

Yes, an inline fan can:

- Assist in maintaining proper attic temperature.
- Improve overall attic ventilation to prevent moisture buildup.

Use 1 cfm per 1 sq ft rule for attic fan selection. Consider **FG or FKD Series** paired with **DHS05 dehumidistat**.



## Dust & odor control fan?

Yes, an inline fan can:

- Remove light particles and odors from work spaces.
- Enhance air quality in areas prone to dust or strong smells.

Consider the **FG and FKD Series** to address ventilation needs in your particular application.



## Fitness room fan?

Yes, an inline fan can:

- Improve fitness room airflow for a comfortable workout space.
- Assist in preventing the build up of moisture and odors.

Consider **FG EC** for customizable airflow, **paired with FD60EM timer**—ideal for Yoga Studios too.



## Food prep fan?

Yes, an inline fan can:

- Enhance ventilation in food preparation areas.
- Effectively reduce food prep odors at the source.

Consider **FG 4 and FD60EM 60 minute timer** to upgrade food preparation areas.



## Mudroom fan?

Yes, an inline fan can:

- Enhance mudroom air circulation for odors & moisture.
- Maintain a clean and fresh entry space in homes.

Consider **FR 100 paired with a FD60M timer** to ventilate between 10 and 60 minutes on demand.



## Nail salon fan?

Yes, an inline fan can:

- Effectively remove fumes & odors, enhancing experience.
- Operate quietly, maintaining a peaceful/comfortable salon.

**FR Series** was originally designed to exhaust air from a beauty salon. **Pair with FH 20 dehumidistat**.



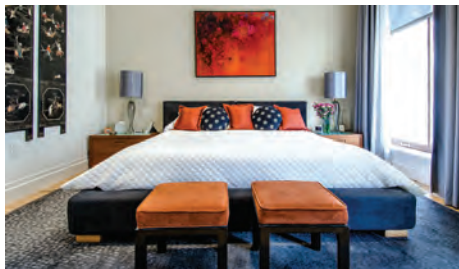
## Office booster fan?

Yes, an inline fan can:

- Bring in enough conditioned air to keep up with occupancy.
- Boost air providing extra airflow on demand.

Consider **FG 10 EC and EC10V controller**. This combo is ideal for infinite airflow regulation.





## Back bedroom fan?

Yes, an inline fan can:

- Boost a long duct run providing extra airflow on demand.
- Enhance sleep environment for comfort.

Consider **FG 4XL EC and EC10V controller**. This combo is ideal for infinite airflow regulation.



## Beer brewery fan?

Yes, an inline fan can:

- Remove fumes & maintain air quality in the brew room.
- Regulate the heat for proper brewing.

An **FKD** would be a great fit. Selecting the right size will depend on the airflow needed for given condition.



## Ceramic studio fan?

Yes, an inline fan can:

- Eliminate airborne dust for a cleaner ceramic studio.
- Enhance air quality for a comfortable workspace.

Consider an **FG Series fan with FD60EM timer** for optimal studio exhaust during artist presence.



## Galley kitchen fan?

Yes, an inline fan can:

- Improve ventilation for odor & heat removal on the ship.
- Keep fumes from rolling into the other areas on board.

Consider **FR 100** for ocean vessels. The remote mounting will limit noise in this small space.



## Garage exhaust fan?

Yes, an inline fan can:

- Exhaust fumes and maintain air quality in garage spaces.
- Ensure a cool workspace in warmer months.

Apply a 100 cfm per car bay to adjust the airflow of an **FG 6M EC paired with EC10V controller**.



## Grow room fan?

Yes, an inline fan can:

- Save plants from wilting by removing heat & humidity.
- Help effectively equalize air conditions.

Select an exhaust fan matching room volume, refreshing air every minute. Consider **FG or FKD Series**.



## Pharmacy storage fan?

Yes, an inline fan can:

- Promote air circulation & maintain freshness of stock.
- Regulate storage temp, preserving medication efficacy.

**FG, FR and FKD** can all help maintain balanced humidity levels and meet the general ventilation requirements.

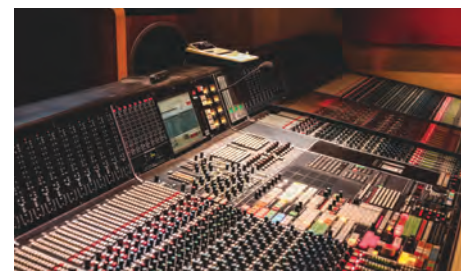


## Pet grooming area fan?

Yes, an inline fan can:

- Exhaust pet odors & maintain air quality.
- Enhance the comfort of pets & groomers alike.

Consider **FG EC** so that airflow can be dialed in. The remote location of the inline fan is ideal for noise control.



## Recording studio fan?

Yes, an inline fan can:

- Minimize fan noise for optimal sound recording.
- Improve studio air circulation and remove excess heat.

Consider the **FG or FR Series as well as an LD silencer**. Remote mounting will ensure airflow while limiting noise.



## Cigar room fan?

Yes, an inline fan can:

- Efficiently exhaust smoke, maintaining good air quality.
- Improve ventilation, preventing odors

Consider **FG 8 EC with EC-10V speed controller and MGE metal exhaust grilles** for cleaner look on ceiling.



## Classroom fan?

Yes, an inline fan can:

- Boost air providing extra airflow on demand.
- Enhance indoor air quality for increased productivity.

Consider **FG 10 EC and FDT7 7-Day timer**. This combo is ideal for infinite airflow regulation.



## Closet fan?

Yes, an inline fan can:

- Enhance air circulation in closets to prevent stale odors.
- Transfer preconditioned air into a wardrobe room.

Consider **FG 4XL EC paired with a EC10V controller** to help adjust the airflow meeting your unique needs.



## Home office fan?

Yes, an inline fan can:

- Provide extra airflow on demand.
- Enhance indoor air quality for increased productivity.

Consider **FG 4XL EC and EC10V controller**. This combo is ideal for infinite airflow regulation.



## Home theater fan?

Yes, an inline fan can:

- Ensure a quiet home theater atmosphere.
- Prevent AV equipment overheating for best performance.

Consider **FG EC series** to allow 6 air exchanges per hour due to the high occupancy density & equipment.



## Kitchen exhaust fan?

Yes, an inline fan can:

- Let air freely exhaust without any noise in the kitchen.
- Be installed outside the liveable area on the exhaust duct.

Consider **FKD 8XL or FKD 10 paired with the HL hood liner** built into your hood cover.



## Retail fan?

Yes, an inline fan can:

- Ventilate stockrooms for optimal inventory conditions.
- Enhance air circulation to prevent musty odors in storage.

Consider **FKD Series** to control storage humidity. Run at full speed **with DHS05 humidity controller**.



## Server room fan?

Yes, an inline fan can:

- Remove heat from operating equipment.
- Ensure proper air circulation to prevent overheating.

Ensure 3 air exchanges per minute. Consider **FG 6 or FR 150** to operate 24/7.



## Sun room fan?

Yes, an inline fan can:

- Improve air circulation, preventing heat buildup.
- Reduce humidity levels making it more comfortable.

Consider an **FG or FR Series** fan for humidity control. Pair with a thermostat for on-demand heat exhaust.





## Coffee roasting fan?

Yes, an inline fan can:

- Neutralize roasting odors, preserving coffee's aroma.
- Remove excess heat & maintain optimal temperature for coffee.

Consider **FG, FR and FKD** can all help maintain required humidity levels and meet the general ventilation requirements.



## Locker room fan?

Yes, an inline fan can:

- Reduce moisture & humidity preventing mold & mildew.
- Enhance air circulation to eliminate unpleasant odors.

Consider **FG EC** so that airflow can be dialed in. **Pair with FD60EM timer** to regulate the exhaust air on demand.



## Waiting room fan?

Yes, an inline fan can:

- Improve waiting room air circulation.
- Ensure comfort for individuals waiting in shared spaces.

Consider **FG 6M EC and FDT7 7-Day timer**. This combo is ideal for infinite airflow regulation.



## Crawlspace fan?

Yes, an inline fan can:

- Ventilation to prevent moisture buildup.
- Improve airflow, prevent musty odors, and protect structures.

Consider **CSF4 (FR 100) with DHS05 humidistat**, automatically detecting excess humidity.



## Maritime fan?

Yes, an inline fan can:

- Cabin ventilation improving comfort.
- Cool & provide heat dissipation generated by the engine.

Consider **FR 100** particularly for ocean vessels. **Pair with IPF05 speed control** with pre-selected settings.

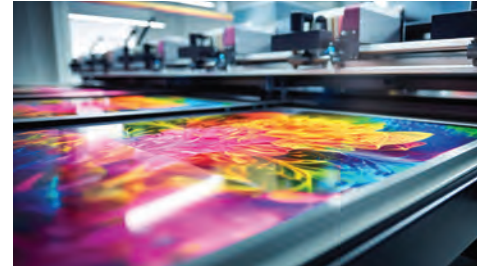


## Wine cellar fan?

Yes, an inline fan can:

- Maintain consistent wine cellar temperature.
- Enhance air flow, preventing stagnation preserving quality.

Consider **FG Series with DHS05 de-humidistat controller** for proper wine storage conditions.



## Dehumidification fan?

Yes, an inline fan can:

- Aid in drying processes in commercial/industrial settings.
- Assist dehumidification in areas prone to moisture.

Consider **FG EC** so that airflow can be dialed in. Pair with **EC10V** infinite variable speed control.



## Mechanical room fan?

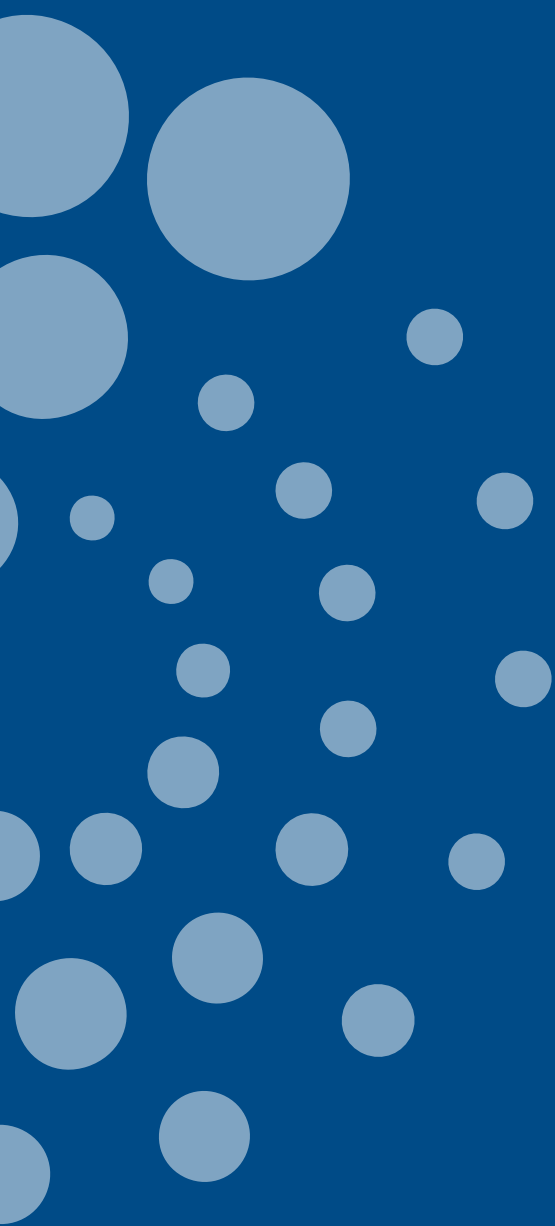
Yes, an inline fan can:

- Efficiently remove heat, humidity & fumes.
- Enhance airflow for peak performance.

Consider the **FG or FKD** fan that suits the size of the space. **Pair with DHS05 dehumidistat controller**.

# The options are endless for inline fans!

These scenarios are for inspiration. Consult an engineer for final applications and to specify.



**Customer Support:**

**USA** 800.747.1762 • [USsupport@fantech.net](mailto:USsupport@fantech.net)

**CANADA** 800.565.3548 • [CANADAsupport@fantech.net](mailto:CANADAsupport@fantech.net)

**LATIN AMERICA** +52.55.1328.7328 • [info@systemair.mx](mailto:info@systemair.mx)

**Distributed Locally by:**

Systemair Inc. reserves the right to modify, at any time and without notice, any or all of its products' features, designs, components and specifications to maintain their technological leadership position. The application rendering presented in this brochure is for a visual presentation purpose only. Please, contact a professional for technical guidance.

Zephyr Creative • March 2024 • E2326