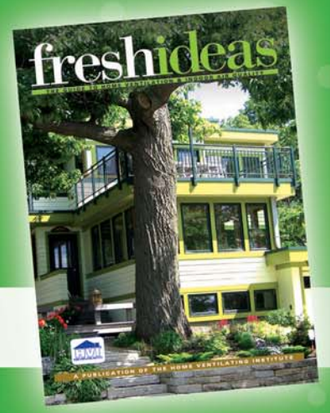
Where can I find more information?

www.hvi.org. HVI's website offers consumers a variety of resources including a Certified Products Directory, which is updated monthly and provides a list of manufacturers and their HVI-Certified products.

HVI Fresh Ideas Ventilation Guide

This valuable guide explains the numerous methods of residential ventilation, including inline fans. It contains easy-to-understand charts, illustrations and more. Contact HVI to obtain a copy; it also can be downloaded from the HVI website.



About the Home Ventilating Institute

Founded in 1955, the Home Ventilating Institute (HVI) is a nonprofit association of the manufacturers of home ventilating products. Through its Certified Ratings Program, HVI provides a voluntary means for residential ventilation manufacturers to report comparable and creditable product performance information based upon uniformly applied testing standards and procedures performed by independent laboratories. HVI represents manufacturers producing the vast majority of the residential ventilation products sold in the USA, Canada, Asia and Europe.

Whether considering an inline fan or other residential ventilation product, choose only products with the HVI-Certified label for peace of mind, confidence and reliability.

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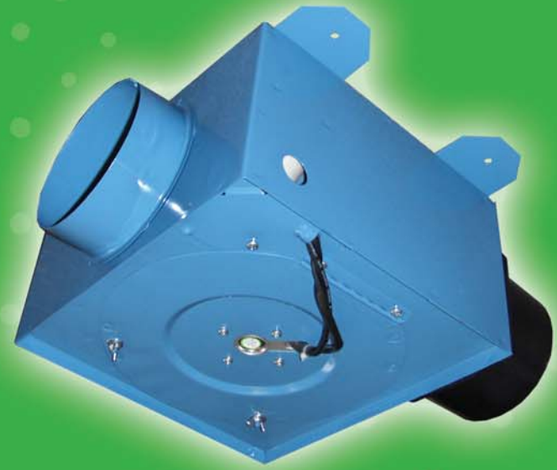
Inline Fans –
A Consumer Guide

2100 HVI CERTIFIED



Air exchange inside the home is very important. Without the proper air flow, stale air can accumulate, which can be uncomfortable and also can cause health issues and damage to the home if the circumstances become severe. Most of today's new homes are highly insulated and practically airtight. This is advantageous for energy conservation; the downside, however, is the potential for poor indoor air quality. A simple solution to avoid poor indoor air quality is proper ventilation; it protects both the health of the occupants and the home itself. Ventilation is especially important in bathrooms and kitchens where high levels of moisture and humidity can accumulate quickly and easily.

There are a number of ways to ensure healthy ventilation inside the home, including a very flexible and efficient option-an inline fan. Inline fans exhaust moisture, steam and odors at the source for a ventilation system that is not only effective, but is quiet, if properly installed.

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What are Inline Fans?

Unlike ceiling exhaust fans that are installed directly into the ceiling, inline fans are integrated in the duct work and are placed in remote locations such as an attic or crawlspace. For example, if occupants wanted to ventilate an area that did not have clearance or space for a ceiling-mounted fan, an inline fan would be an appropriate alternative. The inline fan would be connected to a dedicated duct system that would pull stale air from the home and exhaust that air to the outdoors. Since inline fans are not mounted directly to the ceiling, any sound created from the fan's operation is minimized within the living space receiving ventilation.

Inline fans are ideal for exhausting areas or rooms where occupants cannot, or do not wish to, directly install an exhaust fan. Inline exhaust fans can either be single-port (exhausting from a single area) or multi-port (exhausting from multiple areas).

Very long or complicated duct runs also benefit from the use of an inline fan. If the exhaust duct run is complex, inline fans have the additional power that may be necessary to properly exhaust (or supply) at the desired airflow rate. Applications such as radon gas mitigation and clothes dryer exhaust duct ventilation are specific examples where an inline fan is suitable for use because of the higher pressures that must be overcome.

Are inline fans difficult to install?

No. Inline fans can be easily installed as long as there is access to the desired mounting space.

How can inline fans make homes more comfortable?

Inline fans can be used to circulate air within the home to even out temperature extremes. For example an inline fan could be used to move more air through a long supply duct run to provide adequate heat and cooling to a room that is uncomfortably warm or cold compared to the rest of the home. An inline fan also could be used to blend air within a room or transfer air from one room to another to provide more balanced temperatures throughout the home.

What are the benefits of inline fans?

Multi-function operation

Inline fans are designed for multiple-task ventilation. This means that occupants can ventilate multiple areas or multiple rooms with just one fan. For example, instead of purchasing multiple fans, a single fan can be utilized to exhaust through inlets over the shower, tub, toilet and/or vanity in a single bathroom, or a single fan can be used to exhaust multiple rooms. A central ventilation system can be used to provide whole house indoor air quality to continuously remove contaminants and provide boosted ventilation on an as-needed basis all with a single system.

Make-up air (air that is supplied to replace air that is being exhausted) is also a possible application for inline fans. Since inline fans can be oriented as either supply or exhaust fans, inline fans can serve as make-up filtered air supply sources. The need for fresh air supply fans is increasing as homes are more tightly built. Homes with fireplaces or high-capacity range hoods are examples of dwellings that may need make-up air to properly balance the pressure within the home. Without an inline fan to balance the pressure, fireplaces can backdraft smoke into the residence and range hoods may not be able to properly exhaust cooking fumes and odors.

Noise reduction

Because inline fans are mounted in locations remote to the occupied space like the attic or crawlspace, significant reductions of audible sound are realized when properly installed.

Why should I choose an 'HVI-Certified' product?

- ✓ **Assurance** that the product has been independently tested and certified to meet specific industry standards
- ✓ **Assurance** that the product will perform as promised
- ✓ **Assurance** that, when installed properly, appropriate ventilation will be achieved to maximize indoor air quality

Inflated performance ratings are common for inline fans that are not HVI-Certified. Selecting inline fans with HVI-Certified performance ratings will ensure that ventilation expectations and building code requirements are met. HVI is the industry authority for testing residential ventilation products. Using sophisticated lab facilities and accurate testing methodology, HVI tests and routinely verifies the performance of products that have been voluntarily submitted for rigorous examination. Once approved, the product may display the HVI-Certified label. Don't settle for anything less than an HVI-Certified product!

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