

NEW!

In-Duct Breathe Easy Air Purifier

Stops Odors & Reduces Unhealthy Contaminants



Customer Comment:

"The crew had consistent problems with sore throats and coughs. So we've gone to Dometic. We discovered the air...went from being almost heavy and saturated to being a lot lighter. It was easier to breathe...cleaner. It's fantastic."

— James Rose-Innes, First Mate, 95 ft. motor yacht
Fort Lauderdale, FL

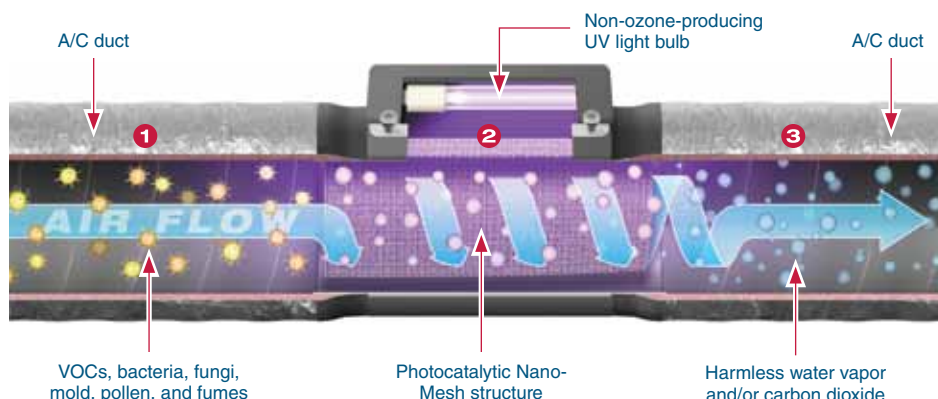


In-Duct Breathe Easy Air Purifier

Reduce the odors of tobacco smoke, mildew, mustiness, chemical vapors and toilets, and inhale fresher, cleaner, healthier air. The in-duct Breathe Easy Air Purifier uses innovative Photocatalytic Nano-Mesh technology with ultraviolet (UV) light to improve air quality. The UV bulb inside uses a specific frequency of light that produces no harmful ozone.

How It Works

- 1 Biological contaminants like VOCs, mold spores, bacteria, and viruses pass through the air conditioning duct and into the air purifier system.
- 2 UV light energy activates the titanium-dioxide catalyst on the surface of the nano-mesh structure. The molecules of pollutants and odors that come in contact with the catalytic nano-mesh structure are reconfigured into non-toxic elements. Vortex action maximizes air contact with the catalytic surface.
- 3 Significantly cleaner, healthier air exits the photocatalytic air purifier.



Key Advantages

- Reduces mold spores, bacteria, viruses, and fumes.
- Eliminates unpleasant odors.
- Uses an intense UV light that produces no harmful ozone.
- Enhances air quality.
- Cleaner air may lessen allergy and asthma symptoms.
- Silent operation.
- Up to 100% reduction in diesel fumes, acetone, benzene, formaldehyde, and other VOCs.
- Up to 100% reduction in bacteria, fungi, mold, and pollen.
- Photocatalytic Nano-Mesh structure is safe and powerful.
- Photocatalytic Nano-Mesh structure does not degrade under intense UV light.
- UV bulb is easy to replace.
- Tube sizes for common duct diameters.

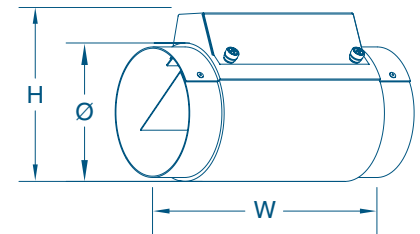
Technical Specifications for In-Duct Breathe Easy Air Purifiers

Model	4" In-Duct Tube	5" In-Duct Tube	6" In-Duct Tube	7" In-Duct Tube	8" In-Duct Tube
Capacity ⁽¹⁾	6K BTU/hr	7K - 8K BTU/hr	10K - 12K BTU/hr	14K - 16K BTU/hr	24K BTU/hr
Volts/Hz/mA	115/60/200 220/50/350 230/60/200	115/60/200 220/50/350 230/60/200	115/60/200 220/50/350 230/60/200	115/60/250 220/50/350 230/60/225	115/60/250 220/50/350 230/60/225
UV Bulb Watts	12	12	12	20	20
Ø (in/mm) ⁽²⁾	4.50/114	5.50/140	6.50/165	7.50/191	8.50/216
Height (in/mm) ⁽²⁾	5.25/133	6.50/165	7.50/191	8.50/216	9.50/241
Width (in/mm) ⁽²⁾	10.50/267	10.50/267	10.50/267	13.50/343	13.50/343

Notes:

⁽¹⁾ Purification capacity of in-duct units equals or exceeds the airflow and BTU capability of its duct size.

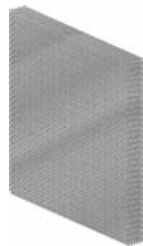
⁽²⁾ Dimensions are overall, including grommets, insulation, and duct rings.



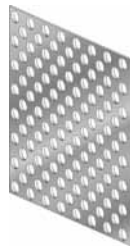
Competitive Advantages

Photocatalytic Nano-Mesh Technology

- A 3-dimensional Photocatalytic Nano-Mesh structure coated with titanium-dioxide (TiO₂) provides maximum surface area for maximum destruction of airborne contaminants that come in contact with it.
- Little or no reduction in air flow because the Photocatalytic Nano-Mesh structure creates very little static pressure.
- Does not need to be cleaned, maintained, or replaced.



Dometic's Photocatalytic Nano-Mesh structure



Competitor's screen structure

UV Lamps

- Sized for the dimensions of the Photocatalytic Nano-Mesh structure, a single UV bulb with dual tubes provides greater intensity and service coverage to activate more of the photocatalytic material for high-performance results.

Safe & Effective Catalyst

Titanium-dioxide is in many common products, including pigments, processed foods, toothpaste and cosmetics. It is harmless to people, pets, plants, and the environment.

Laboratory Test Results

Testing of the Breathe Easy Air Purifier performed by Environmental Diagnostics Laboratory showed up to **98% reduction** in volatile organic compounds (VOCs) and up to **100% reduction** in bacteria, fungi, mold, and pollen grains.

The Power of Photocatalytic Nano-Mesh Technology

Photocatalytic Nano-Mesh technology removes airborne contaminants that pass through the system and contact the photocatalytic surface. As air re-circulates it makes multiple passes through the system for continuously improving purification levels.

Photocatalytic air purification only occurs when airborne contaminants physically touch the catalyst. Innovative Photocatalytic Nano-Mesh technology creates a much greater contact surface for much greater results.

The Breathe Easy Air Purifier's three-dimensional Photocatalytic Nano-Mesh structure is constructed of metalized foam. This minutely intricate construction provides **2200%** more surface area for holding the molecular catalytic coating than is possible with a simple screen structure. This unique design also provides scant air resistance, so there is no noticeable decrease in air flow.

In addition, through the science of nanotechnology, the titanium-dioxide catalyst is restructured at the molecular level to have an increased number of contact surfaces. This formation puts 70% larger molecules on the contact surface and dramatically improves reactivity with contaminants.

Two Innovative Models

- **In-Duct Tube:** Air purifier tube is installed within ducting line and uses the air-conditioning system's blower to move air past the UV light and Photocatalytic Nano-Mesh structure. Available in tube sizes to fit all common duct diameters.
- **Portable:** Small and lightweight, the portable air purifier can be situated anywhere and uses an internal fan to move air past the UV light and Photocatalytic Nano-Mesh structure. It is suitable for areas up to 100 sq. ft. (9.3 sq. m.) and operates on both DC and AC voltages.

Note: The Breathe Easy Air Purifier does not fix the source of ongoing odor problems. For example, a leak that caused mold must be repaired and the mold must be removed.

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