

Breathe Easy™ In-Duct Air Purifiers

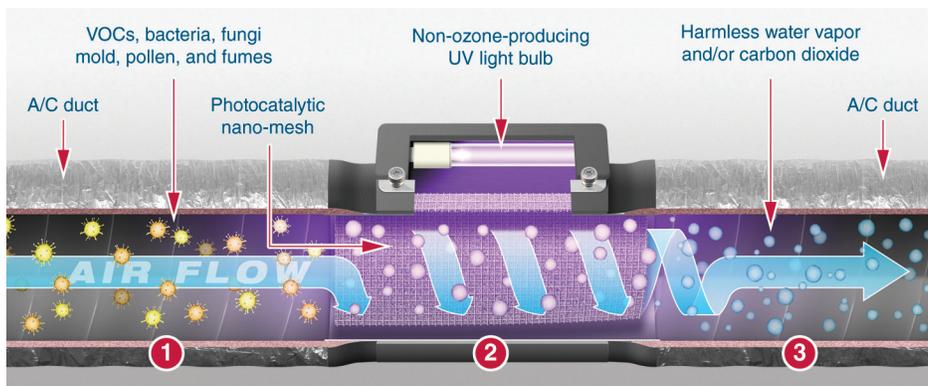
Stops Odors & Improves On-Board Air Quality



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

The Breathe Easy nano-mesh is a three-dimensional foam structure coated with titanium-dioxide (TiO₂) and provides 2200% more contact surface area than simple screen structures found in competing air purifiers. This is a significant advantage, as photocatalytic air purification occurs only when airborne contaminants contact the photocatalytic surface.

In addition, the TiO₂ 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.



How Breathe Easy 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 Benefits

- Will not significantly decrease air flow velocity.
- Eliminates unpleasant odors.
- Uses an intense ultraviolet (UV) light that produces no harmful ozone.
- Enhances air quality.
- Cleaner air may lessen allergy and asthma symptoms.
- Silent operation.
- Up to 98% reduction in diesel fumes, acetone, benzene, formaldehyde, and other VOCs.
- Up to 99.9% reduction in bacteria, fungi, mold, and pollen.
- Photocatalytic nano-mesh structure is safe and powerful.
- Photocatalytic nano-mesh structure will not degrade under UV light.
- UV bulb is easy to replace.
- Sizes for common duct diameters.
- Will not significantly decrease air flow velocity.

Product Testimonial

"I live onboard when we travel and always had problems with congestion and sinus drainage, but have not had a problem with that since we put the Breathe Easy on the boat. I'm very pleased with the product."

— Gray Ingram, Sportfishing Tournament Champion, Owner of Big Oh

"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."

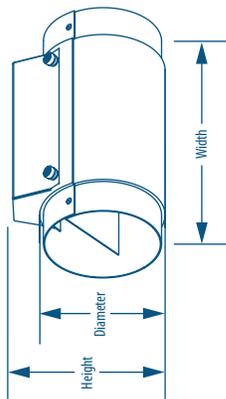
— James Rose-Innes, First Mate, 95 ft. Motor Yacht, Ft. Lauderdale, FL

Specifications for Breathe Easy™ In-Duct Air Purifiers

Model	4 IN. DIAMETER	5 IN. DIAMETER	6 IN. DIAMETER	7 IN. DIAMETER	8 IN. DIAMETER
Air Conditioner Capacity (BTU/h)	6000	7000 - 8000	10000 - 12000	14000 - 16000	24000
Voltages @ 50/60Hz (V)	115/220/230	115/220/230	115/220/230	115/220/230	115/220/230
Milliamps @ 115V/60Hz (mA)	200	200	200	200	200
Milliamps @ 220V/50Hz (mA)	350	350	350	350	350
Milliamps @ 230V/60Hz (mA)	200	200	200	200	200
UV Bulb Watts (W)	12	12	12	20	20
Height (in/mm) ⁽¹⁾	4.5/115	5.5/140	6.5/166	7.5/191	8.5/216
Width (in/mm) ⁽¹⁾	10.5/267	10.5/267	10.5/267	13.5/343	13.5/343
Depth (in/mm) ⁽¹⁾	4.5/115	5.5/140	6.5/166	7.5/191	8.5/216

¹ All dimensions ± 0.30 in. (8 mm).

Dimensions



Breathe Easy Competitive Advantages

Photocatalytic Nano-Mesh Technology

- A three-dimensional photocatalytic nano-mesh structure coated with titanium-dioxide (TiO2) provides greater surface area for maximum destruction of airborne contaminants.
- The nano-mesh structure creates very little static pressure, so there is no significant reduction in air flow velocity. In addition, the nano-mesh structure does not have to be cleaned or replaced.



Dometic's Photocatalytic Nano-Mesh Structure



Competitor's Screen

UV Lamps

A single ultraviolet (UV) bulb with dual tubes provides greater intensity and service coverage to activate more of the catalyst for high-performance results.

Safe and Effective Catalyst

TiO2 is found in many common products, such as pigments, processed foods, toothpaste, and cosmetics. It is harmless to people, animals, and the environment.

Laboratory Test Results

Testing of the Breathe Easy In-Duct Air Purifier performed by Environmental Diagnostics Laboratory showed up to 98% reduction in volatile organic compounds (VOCs) and up to 99.9% reduction in bacteria, fungi, mold, and pollen grains.

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Specifications and availability subject to change without notice.



Assembled in the USA