

## TROUBLESHOOTING (CONTI) Fan is

running, but no blue glow.

1. UV bulb is not seated correctly in the socket (see "Replacing the UV Bulb").
2. UV bulb needs to be replaced (see "Replacing the UV Bulb").
3. Bulb ballast is inoperative.

### Output seems ineffective.

1. Make sure unit is in an enclosed area.
2. Make sure unit is in an area no greater than 500 sq. ft. (46 sq. m.).
3. Make sure unit is not directly in the supply-air or return-air streams of the air conditioning system.

### Output seems low.

1. Remove any obstructions at the unit's input and output vents.
2. Clean the removable nano-mesh divider (see "Maintenance").
3. If unit is in a very smoky or dusty area, clean the UV bulb (see "Maintenance").
4. Is it time for a new bulb? The UV bulb should be replaced each year (see "Maintenance").

## REPLACEMENT PARTS

Replacement parts can be ordered from any Dometic dealer. To find a dealer near you, go to: [www.dometicusa.com](http://www.dometicusa.com)

PART NUMBER	REPLACEMENT PART DESCRIPTION
4210804	UV Bulb 5", Photocatalytic Nano-Mesh Divider, Replacement Due-Date Sticker (kit)
2011029	Fan, Axial 2" 12V DC 13 CFM
4210816	12V Power Cable
4210814	100-240V, 50-60 Hz Power Adapter

## WARRANTY

The portable Dometic Breathe Easy Air Purifier is covered by a limited warranty against defective material for 90 days from date of purchase. This warranty covers electronic parts only and **does not include the UV bulb**. The original product sales receipt is required as proof of purchase.

This warranty does not apply if a unit has been dropped, damaged, or submerged in water.

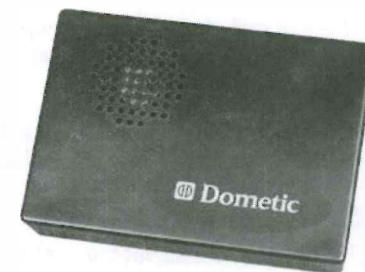
To file a warranty claim, contact a Dometic dealer. To find a dealer near you, go to: [www.dometicusa.com](http://www.dometicusa.com)



L-2715 Rev 20111216



## Portable Breathe Easy Air Purifier Owner's Guide



## HOW IT WORKS

The Dometic Breathe Easy Air Purifier uses innovative Photocatalytic Nano-Mesh technology with ultraviolet (UV) light to improve air quality.

Airborne pollutants are molecularly transformed into nontoxic elements when they contact the Photocatalytic Nano-Mesh surface. The unit uses a specific frequency of UV light that enables maximum effectiveness yet produces no harmful ozone.

The density and quantity of pollutants present affect how rapidly the air will be cleaned. As air re-circulates and makes multiple passes through the system you will notice continuously improving purification levels.

NOTE: The 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.

## SAFETY PRECAUTIONS

### WARNING



- Do not use outdoors.
- Do not block air flow to unit. This may cause the fan to burn out.
- Keep the cord away from heated surfaces.
- Never open the cover without unplugging the power cord.
- Never operate this unit if it has a damaged cord or plug.
- If the unit falls into water, unplug it immediately. Do not reach into the water.
- Never operate this unit if it has been damaged or submerged in water.
- Do not place in an area where uncured siliconized sealers are being used, as the vapors will inhibit the unit's photocatalytic capability.

### DANGER



- **Never look at a lit ultraviolet (UV) bulb.**
- **This equipment is not ignition protected per CFR 183.410 and may not be installed in areas that may be exposed to flammable gas.**

## SYSTEM SETUP

### Selecting the Location

- This unit is designed for use in an enclosed space up to 500 sq. ft. (46 sq. m.).
- Select an indoor location where air flow will not be blocked.
- Do not install directly in the supply-air or return-air streams of the air conditioning system.
- Do not install in areas that may be exposed to flammable gas.

## Power

The unit includes adapters to operate on 12V/500mA DC power or 115V/60Hz/300mA, 220V/50Hz/200mA, or 230V/60Hz/275mA AC power.

## Installation

Use suction cups on bottom to anchor the unit to any smooth, flat surface. Write current month & year on unit's bulb replacement due-date sticker.

## SYSTEM OPERATION

For optimal results, let the system run continuously, even when you are not in the room. Connect the power cord to the back of the unit then plug it into the appropriate AC or DC power source. Use the 3-position power switch to select High (II), Normal (I), or Off (O):

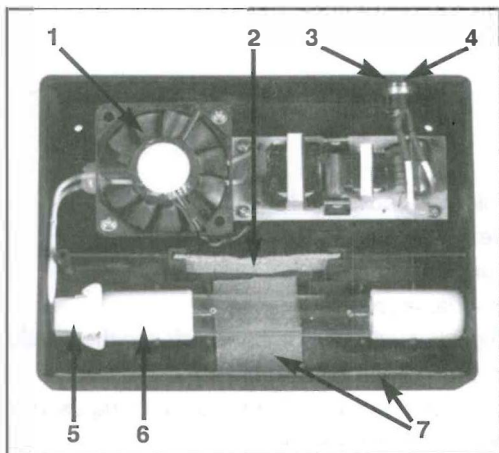
**HIGH (II)** - Fan operates at highest speed for maximum purification level (recommended). The UV bulb activates (look for a blue glow) and air purification begins.

**NORMAL (I)** - Fan operates at moderate speed. The UV light activates (look for a blue glow) and air purification begins.

**OFF (O)** - Fan and UV bulb deactivate.

## MAINTENANCE

Figure 1: Interior Components



1	Fan
2	Removable Nano-Mesh Divider
3	Power-Cord Connection Point (exterior)
4	Power Switch (Normal - Off - Boost) (exterior)
5	Bulb Socket
6	Ultraviolet (UV) Bulb
7	Non-Removable Nano-Mesh Strips (also on inside of cover)

### Replacing the UV Bulb

Like all light bulbs, UV bulbs have a limited life span. Unlike regular light bulbs that work until they burn out, UV bulbs lose their germicidal effectiveness over time (after about 9,000 hours) and must be replaced even though they may still produce light.

After approximately 1 year of continuous use, the UV bulb will lose power and have to be replaced. **NOTE: One hour of bulb life is lost each time it is turned on and off.**

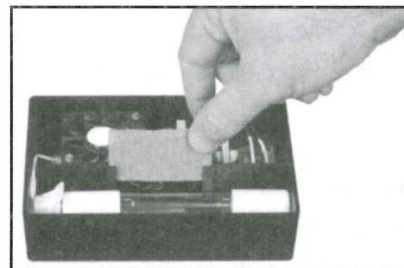
#### Follow these steps:

1. Unplug the unit from the electrical outlet.
2. Unscrew the 4 inset screws on the 4 corners of the bottom panel and remove the cover.
3. Allow 5 minutes for the bulb to cool, then locate the white bulb socket and pull the bulb straight out.

4. Replace with a new Dometic UV bulb (model 4210804). Use of any other bulb will void the warranty. Insert the bulb prongs firmly into the socket. Cover old due-date sticker with new one and write in the current month and year.
5. If any interior cleaning is required, do it now. (See "Cleaning" below.)
6. Reassemble the unit being careful not to overtighten the screws, then reconnect power. Check for a blue glow inside the unit. Never look directly at a lit UV bulb.

### Replacing the Removable Nano-Mesh Divider

Figure 2: Removing the nano-mesh divider



A replacement 1" x 2" (25mm x 50mm) nano-mesh divider is included with each replacement UV bulb.

Replace the photocatalytic nano-mesh divider that separates the fan compartment from the bulb compartment each time you change the UV bulb.

#### Follow these steps:

1. While the cover is off (see "Replacing the UV Bulb" for instructions), lift the nano-mesh divider out of the slots.
2. Insert the new nano-mesh divider lengthwise into the slots. It does not matter which side of the nano-mesh faces the bulb.

### Cleaning

**Exterior** - Use a soft, dry cloth to wipe away any dust or debris that may accumulate around the vent holes.

**Interior** - **Make sure the unit is unplugged before opening the case.** (See "Replacing the UV Bulb" for instructions.) Blow away general dustiness with canned air suitable for use on computers.

**Fan** - When replacing the UV bulb or if you notice a reduction in air flow, dust the internal fan using a soft brush.

**Removable Nano-Mesh Divider** - If you notice a reduction in air flow, clean the removable 1" x 2" (25mm x 50mm) photocatalytic nano-mesh divider that separates the fan compartment from the bulb compartment. Lift it out of the slots then brush off the debris or clean it with dish soap and water. Let it dry, then slide it back into position. (A replacement nano-mesh divider is included with each replacement UV bulb.)

**Non-Removable Nano-Mesh Strips** - If necessary, dust the non-removable nano-mesh strips gently with a soft brush to remove debris.

**UV Bulb** - If the unit is in a very smoky or dusty area we suggest you clean the UV bulb periodically with a soft cloth and alcohol. Allow the bulb to cool before cleaning. Under these dusty conditions, also clean the fan and nano-mesh divider as described above.

## TROUBLESHOOTING

### No power, unit does not turn on (no fan noise).

1. Make sure the unit is plugged in at the back of the unit and at the power source.
2. Make sure the power switch is not in the OFF (O) position.
3. Verify that the power source is working.