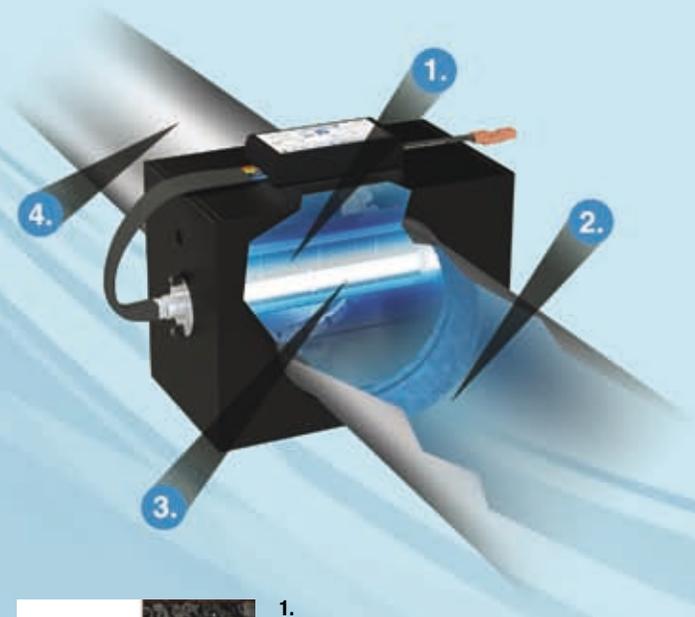


How The A/C Duct UV System Works



**ODORS
STALE AIR
VIRUSES
MOLD**



KEEP HER FRESH AND ODOR FREE



We look forward to exceeding your expectations so that you may enjoy your boat in comfort today.

**MILDEW
DUST
POLLEN
PET DANDER
CHEMICAL ODORS**

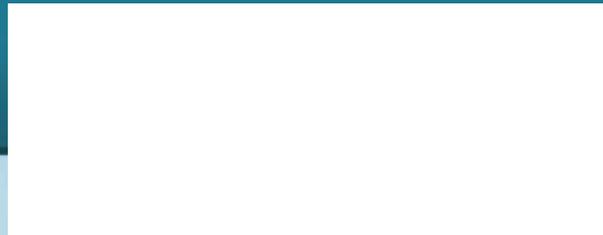
1. The A/C Duct UV carbon matrix is a grid composed of a proprietary mixture of carbon, infused with titanium dioxide.

2. Odor-causing and potentially toxic Volatile Organic Compounds (VOCs) can accumulate in interior spaces of your vessel. If unchecked these airborne chemicals can build up to dangerous levels.

3. As VOC molecules pass through the A/C Duct UV carbon matrix they are captured and held. Light from the UV lamp shines on the carbon/titanium dioxide surface creating a photocatalytic reaction which breaks down VOCs into simpler components.

4. After being transformed by the photocatalytic process, all that remains of the once harmful VOCs are simple water-vapor and carbon dioxide, which pass back into the air leaving the carbon matrix clean and regenerated. Because of this the A/C Duct UV System is virtually maintenance free.

Offered By:



Air Purification
For Your Vessel

Unfortunately, the air in your boat that you breathe has a lot of noxious odor producing pollutants in it, such as viruses, bacteria, mold, mildew and allergens. Some are only annoying, others can make you sick.

For over a century we have known that exposure to ultraviolet light in the range of 100-280 NM (UV-C band short wave germicidal) disrupts the DNA of microbial life such as mold, mildew, bacteria and viruses, thus preventing them from reproducing, thereby effectively killing them.

We also know that titanium dioxide (TiO₂) absorbs energy from UV-C light and transforms ordinary water vapor into hydroxyl and peroxy radicals at the surface of the TiO₂.

When UV-C light and a coating of TiO₂ are combined, photocatalytic oxidation occurs. This process creates hydroxyl radicals and super-oxide ions. These highly reactive electrons aggressively bind with pollutants and effectively oxidize (or burn) the pollutant, breaking them down into harmless calcium nitrate and negligible carbon dioxide and water molecules.

The A/C Duct UV System packs a one-two punch by combining non-ozone producing UV-C light with a titanium dioxide coated carbon matrix in its disinfection chamber. This process kills over 99% of airborne mold, bacteria, viruses and allergens. As a result, your vessel is left with healthier, fresh, odor free air.



Available In 4"- 5"- 6"- 7"- 8" Diameters

Quantity Discounts

CleanAirFLO.com
1-888-466-4453