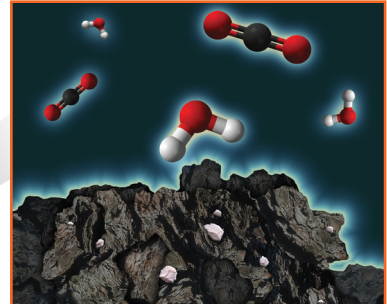
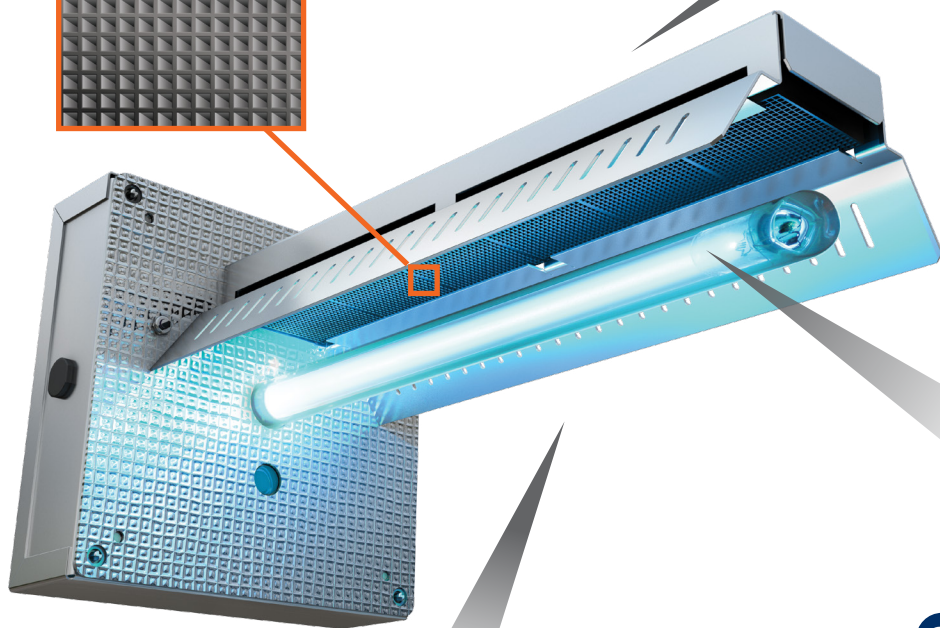
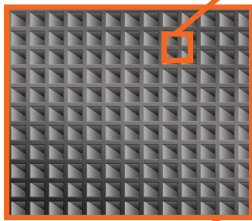


FRESH-AIRE UV<sup>®</sup>  
**APCO**<sup>®</sup>  
 WHOLE-HOUSE AIR PURIFIER

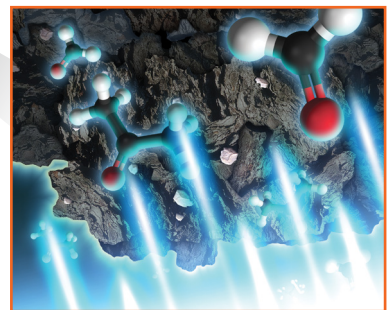
# HOW IT WORKS

The **APCO carbon matrix** is a grid composed of a proprietary mixture of carbon infused with titanium dioxide.



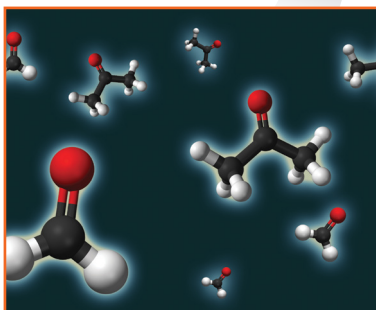
3

After being transformed by the **photocatalytic** process all that remains of the once harmful **VOCs** is simple water-vapor and carbon dioxide which pass back into the air leaving the carbon matrix clean and regenerated. Because of this the **APCO** system is virtually maintenance free.



2

As **V.O.C.** molecules pass through the **APCO** they are captured and held by the carbon matrix. Light from the **UV lamp** shines on the carbon/titanium dioxide surface creating a **photocatalytic reaction** which breaks down **VOCs** into simpler components.



1

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



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