



# Pyure MySpace™ Air and Surface Protection



**Inspired by Nature.  
Trusted to Clean.**

# Table of Contents

Operational Instructions .....	1
Getting Started .....	2
Navigating the Menus .....	2
Navigating the WiFi Menus.....	4
Internal Cooling Fan.....	7
Caring for your MySpace™ .....	8
Removing Cover for Cleaning Air Filter and Replacing HGU™ .....	8
HGU™ Cleaning and Replacement.....	9
Safe Handling and Disposing of Mercury .....	11
Limited Use End-User License Agreement.....	13
Warranty Information.....	15
Frequently Asked Questions (FAQs).....	16

## What's in the Box?

1 x MySpace™ Device      1 x User Manual      1 x Power Cord

NOTE: HGU™ is an acronym for Hydroxyl Generator Unit and it is referred to as either Optic Assembly or HGU™ in this user manual.

# Operational Instructions

Your OH Air® MySpace™ is ideal for small to medium spaces such as work areas and conference rooms, waiting rooms, classrooms, homes, and similar spaces.

**This device is not recommended for use in enclosed spaces with no air exchange.** In the event the device is operated in a closed, non-ventilated space, **the minimum volume should be 65 m<sup>3</sup> (2,340 ft<sup>3</sup>).** This represents an area of 24 m<sup>2</sup> or 260 ft<sup>2</sup>, assuming a ceiling height of 2.7 meters (9 feet).

In a well-ventilated space (3 air exchanges per hour) with 2.7 meter (9 foot) ceilings, **the minimum size room in which to operate the device is 9 m<sup>2</sup> (100 ft<sup>2</sup>),** and the device can treat a space as large as **46 m<sup>2</sup> (500 ft<sup>2</sup>).** Note: the effective treatment area will vary depending on the ventilation rate and the ceiling height. For example, the maximum space will be less than 46 m<sup>2</sup> (500 ft<sup>2</sup>) if the air exchange is greater than 3 times per hour, or if the ceiling is higher than 2.7 meters (9 feet).

When operating the device in a well ventilated space, **the device should be placed at least 2 meters (6 feet) from anyone who is stationary for an extended period (example sleeping).** If the device is operated in an enclosed space with no ventilation, **the device should be placed at least 4 meters (12 feet) from anyone who is stationary for an extended period.**

The hydroxyls generated by the OH Air® MySpace™ will reduce bacteria, viruses, mold, pollutants and odors from the air. Surfaces will also be treated, reducing virus, mold and bacteria. Your MySpace™ is designed to reduce pathogens and improve air quality.

## Safety Warning - Please read and save this manual

- Skin or eye damage may result from directly seeing the light/UV source in this apparatus.
- DO NOT look at the light directly.
- DO NOT expose skin to the light.
- Device must be turned off before unplugging from the mains.
- Disconnect/unplug power before removing the cover, replacing HGU™ or servicing.
- The device is not intended to be used in wet/pooling environments.
- The device is not to be used by children, nor should children be permitted to play with the device.
- The device is not to be used by people with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given instructions or are being supervised.
- AC or DC power input must only be supplied a voltage corresponding to the markings on the device.
- If the device is obviously damaged, it must not be operated.
- Keep objects away from moving parts.
- Keep liquids away from the appliance and DO NOT wash.
- DO NOT expose UV sensitive materials to the light.
- Always replace the UV source with part HGU™ manufactured by The PYURE Company

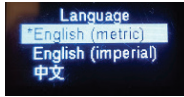


High Voltage Components



# Getting Started


When your MySpace™ unit is powered on for the first time, it will let you select your preferred language, use the up and down buttons to select from the list and press the center button to select (an asterisk '\*' will be displayed next to the selected option). After the language has been selected, the unit will default to the Power/Fan Speed Screen and remember if it was running when last powered.



Once selected, press the right button to move to the Power/Fan Speed Main Screen.

Your MySpace™ is designed to conserve energy and provide you with a distraction-free experience, therefore the menu screen of your MySpace™ will go into standby mode after thirty seconds of inactivity. In order to wake the menu screen, tap any of the buttons once.

## Navigating the Menus

Active buttons will be lit in blue. The center button  will show green if the function on the current menu item is on (Hydroxyl Generator, WiFi AP, WiFi function) and red if off. The buttons will flash green if they detect a finger press.

Move between menus: Left and Right Arrows



Scroll through menu: Up and Down Arrow



Turn on/Off/Select: Center Button



Indicates unit is on

MAIN  
SCREEN



Indicates unit is off

**Timer:** Press up to set the time for the unit to run in thirty min intervals up to four hours. Down will turn the timer and unit off, the center button will stop and start the unit with no timer.



**OH Control:** Allows the strength of the Hydroxyls to be adjusted. The level of hydroxyl output is a function of room size. Follow the guidelines in the table below:

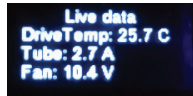


## Hydroxyl Output Level Guidelines

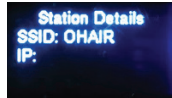
Area of Treated Space*	Power level (bars showing on OH display)
Over 9 m <sup>2</sup> or 100 ft <sup>2</sup>	Power level 1 (1 bar)
Over 14 m <sup>2</sup> or 150 ft <sup>2</sup>	Power level 2 (2 bars)
Over 19 m <sup>2</sup> or 200 ft <sup>2</sup>	Power level 3 (3 bars)
Over 23 m <sup>2</sup> or 250 ft <sup>2</sup>	Power level 4 (4 bars)
Over 28 m <sup>2</sup> or 300 ft <sup>2</sup>	Power level 5 (5 bars)
Over 33 m <sup>2</sup> or 350 ft <sup>2</sup>	Power level 6 (6 bars)
Over 37 m <sup>2</sup> or 400 ft <sup>2</sup>	Power level 7 (7 bars)

\* assuming 2.7 meter (9 foot) ceilings and 3 air changes per hour

**Live Data:** This displays operational information about the unit and is for general information/support.



**Station Details:** This shows the WiFi connection information. If the center button is pressed on this menu, the WiFi function will be turned on/off.

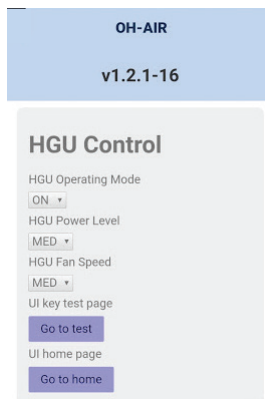


**Access Point:** This is the WiFi information used to connect and/or configure the unit. If the center button is pressed on this menu, the WiFi Access Point will be turned on/off. To access the device connect to SSID displayed. Default is OH Air and password (admin007) or as displayed on this menu.



## Navigating the WiFi Menus

The WiFi interface of the device allows for the control of the device either directly attached or through your local network, Internet control (to be provided through a firmware update), Operational information of the unit, firmware updates and some debugging support.



System Overview	
Network SSID	OHAIR
WiFi status	AP not found
WiFi address	0.0.0.0
UI serial	UII_00000000000000808
UI firmware	UIo4.00t06
HGU serial	SLC_6832.
HGU firmware	SLC4.00p01
Operating state	Run, wait stop command
Tube power (W)	38.3
Fan voltage (V)	10.0
Drive temp (C)	23.5

WiFi Association shows the current configuration/connection, allows you to select from an available SSID (WiFi router) and set the password to connect and optionally select a specific IP for your network (normally leave it as DHCP).

## WiFi Station Configuration

### WiFi State

WiFi mode	AP+STA
WiFi channel	1
Configured network	OHAIR
WiFi status	AP not found
WiFi address	0.0.0.0
WiFi rssi	0dB
WiFi phy	11n
WiFi MAC	5c:cf:7f:14:3f:d4
Switch to <a href="#">STA mode</a>	

### WiFi Association

To connect to a WiFi network, please select one of the detected networks, enter the password, and hit the connect button...

#### Network SSID

- 69dB OH-AIR\_UI\_1845
- 52dB OH-AIR\_UI\_1633
- 51dB OH-AIR\_UI\_0331
- 45dB dellagos-front
- 74dB dellagos
- 82dB dellagos
- 

WiFi password, if applicable:

[Connect!](#)

### Special Settings

Special settings, use with care!

- DHCP
- Static IP

[Change!](#)

WiFi Access Point Configuration shows the current setup detail and allows you to change the name of the device on your network (SSID) and password. This unit only connects to 2.4GHz WiFi networks.

## Point Configuration

### Access Point State

WiFi mode	AP+STA
SSID	ESP_143FD4
Password	
Channel	1
Max Conn	4
Hidden	disabled
Beacon Int	100
Auth Mode	OPEN
MAC	5e:cf:7f:14:3f:d4
Switch to <a href="#">AP mode</a>	

### Access Point Settings

Access point main settings, use with care!

#### SSID

#### Password

#### Auth Mode

#### Max Connections

#### Beacon Interval

Soft-AP SSID hidden

[Change Access Point settings!](#)

MQTT is a network protocol that allows for the secure remote control of the device across the internet.

## MQTT

### MQTT

MQTT client state:  
**disconnected**

MQTT server settings

Server hostname or IP

Server port

[Update server settings!](#)

Debug Log shows WiFi debugging information for support to assist you if there are connection issues.

## Debug Log

The debug log shows the most recent characters printed to the debug log.

[Refresh](#)

[Reset](#)

```
464604>
465162> Wifi check: mode=AP+STA stat
465162> Enabling/continuing uart log
465243> scandone
465243> no OHAIR found, reconnect af
465243> Wifi disconnected from ssid
465343> reconnect
465986> HTTP GET /menu: 200, 11797ms
467465> scandone
467465> no OHAIR found, reconnect af
467465> Wifi disconnected from ssid
467565> reconnect
469612> got to UART task
469613> rx:0x73, 0x74, 0x61, 0x74, 0x75
```



**Upgrade Firmware** allows you to update the software in the unit to the latest version. These will be made available from time to time.



The screenshot displays a web interface for upgrading firmware. At the top, a blue header contains the text "Upgrade Firmware". Below this, the main content area is titled "Upgrade Wifi Interface". Under the title, there is a section labeled "Firmware Info" which states "Current firmware: v1.2.1-16". A note below this says "Make sure you upload the file called: user2.bin". The "Firmware File" section contains a file selection button labeled "Choose file" with the text "No file chosen" next to it. At the bottom of the form is a purple button labeled "Update the firmware".

## **Internal Cooling Fan**

The internal cooling fan is automatically controlled by the temperature of the drive circuit. It may come on and off during operation of the device and can continue to run for a couple of minutes after the main unit has been turned off.

# Caring for your MySpace™

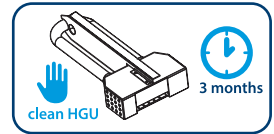
**CAUTION:** Unplug the device from the mains before performing any cleaning activities. **DO NOT** allow any excess water to enter the device or to come into contact with the internal components. **DO NOT** use commercial surface cleaners.

The exterior surface of your MySpace™ can be cleaned with a soft cloth dampened with a diluted solution of dishwashing detergent and water.

It is recommended to remove and wash the air filter monthly, more regularly if it's being used in a dusty area, by removing the cover as below, extracting the air filter and rinsing under the tap to remove large contaminants. Once cleaned, it needs to be thoroughly air-dried before re-insertion.

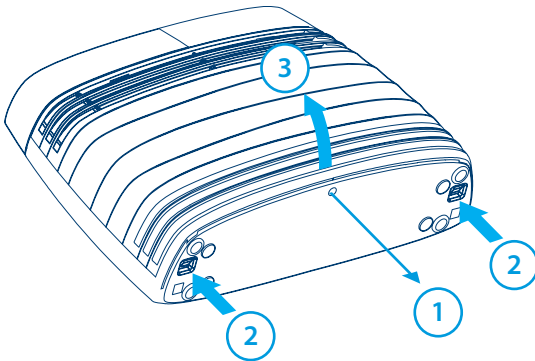


It is recommended to clean the internal chamber and the optic assembly (HGU™) quarterly, more regularly if it's being used in a dusty area, to maintain its peak efficiency to eliminate odors, bacteria, viruses and other volatile organic compounds (VOCs) in the air and on surfaces. If the HGU™ is in continuous operation, it is recommended to replace the HGU™ annually with a new HGU™ purchasable via the website. Every year when the HGU™ needs replacement, it will display “tube error” on the main screen.

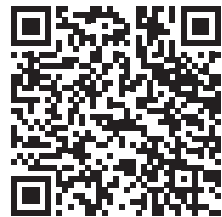


## Removing Cover for Cleaning Air Filter and Replacing HGU™

**CAUTION:** Unplug the device from the outlet before removing cover.

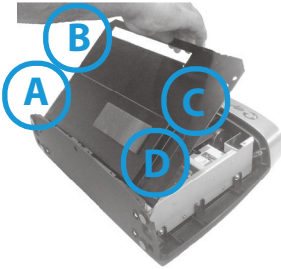


View MySpace™ Step-by-Step Maintenance Videos



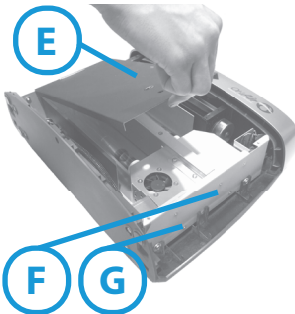
- Step 1 - Place the device on its back with power cord removed
- Step 2 - Remove one screw ① with PH2 Phillips screwdriver
- Step 3 - Push both tabs in together ② to release cover
- Step 4 - Lift cover upwards ③ and toward you to remove the cover
- Step 5 - Re-assemble cover in reverse order

# HGU™ Cleaning and Replacement

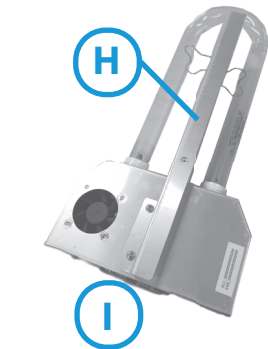


**Step 1 -** Refer to the previous section 'Removing Cover for Cleaning and Replacement' to remove the front cover.

**Step 2 -** To remove the metal cover plate, remove screws "A-D" using PH1 Phillips head screwdriver. Lift up the plate to remove it.



**Step 3 -** To remove the chamber cover, remove screw "E" using PH1 Philips screw driver. Lift up the chamber cover to expose the optic assembly (HGU™).



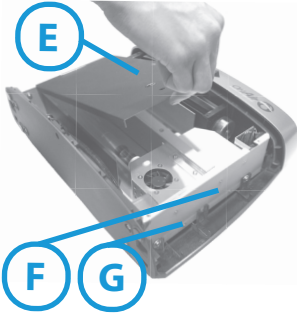
**Step 4 -** To remove the HGU™, remove two HGU™ mounting screws "F" and "G". Grasp the center baffle "H" and manipulate side to side while firmly pulling it away from the connector and lifting out.

**Step 5 -** Gently clean the optic in the new HGI™ with a glass cleaner and a lint-free cloth. Ensure optic is completely dry before re-insertion.



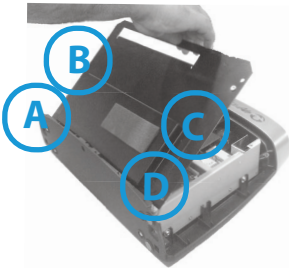
**Step 6 -** While the HGU™ is out, remove dust and clean with a dry cloth.

# HGU™ Cleaning and Replacement



**Step 7 - Carefully locate water connection "I" into the black socket, then firmly push and manipulate until fully inserted.**

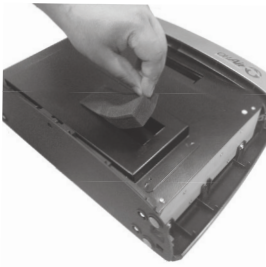
**Step 8 - Re-fit HGU™ screws "F" and "G" confirming HGU™ is correctly seated.**



**Step 9 - Replace the chamber cover and insert screw "E".**

**Step 10 - Replace metal cover plate and re-fit screws in the following sequence, loosely first, tighten once all in place:**

1. A (press cover down to locate screw correctly)
2. B
3. C
4. D



**Step 11 - Replace the air filter and front cover of the device as per previous instructions.**

**Note: HGU™ is an acronym for Hydroxyl Generator Unit and it is referred to as either Optic Assembly or HGU™ in this user manual.**

# Safe Handling and Disposing of Mercury

Mercury is used in the HGU™ in order to generate the plasma needed to produce UV-C radiation. This is similar to the use of mercury in many types of commercial, fluorescent light fixtures. As long as the glass or quartz outer bulb is intact, mercury is contained within the fixture and poses no health hazard. In the event that an optic breaks, less than 25 mg of mercury could be released. This is much less than what is present in a commercial thermometer. Liquid metallic mercury is hazardous due to its potential to release mercury vapor. In humans, approximately 80% of inhaled mercury vapor is absorbed via the respiratory tract, where it enters the circulatory system and is distributed throughout the body. Short term exposure to 25 mg of spilled mercury does not pose a health hazard, **provided that the source of the mercury is removed promptly**. Chronic exposure by inhalation, even at low concentrations in the range 0.7–42 µg/m<sup>3</sup>, can cause effects such as tremors, impaired cognitive skills, and sleep disturbance in workers. The OSHA limit for occupational exposure of elemental mercury is 0.1 mg/m<sup>3</sup>. Mercury is also used in most fluorescent light fixtures.

In the event that the device optic light does not function, the optics should be checked to ensure that they are intact. If the optic is cracked, but not broken, it should be replaced. Cracked optics should be double sealed in plastic bags and disposed of according to local, approved procedures. In the event that the optic breaks and the mercury is spilled, clean-up should be done immediately according to the following procedure published by the Environmental Protection Agency.

- Evacuate the room for at least 15 minutes.
- DO NOT attempt to clean up the spill with a vacuum cleaner, mop or broom.
- Dispose of clothing, fabric etc. that has come in contact with mercury; DO NOT wash.
- Only the individual to clean up the spill should re-occupy the space.
- Close the doors to the area of the spill and turn off the HVAC system; open exterior windows and direct room air out of the window with fans or use an exhaust fan if the area is equipped with one that vents directly outdoors.
- Cover shoes with disposable foot covers or wear shoes that will be disposed of.
- Remove jewelry as mercury will amalgamate with metals and ruin them.
- Use a commercial mercury spill clean-up kit to remove the spilled mercury.

- **Identify items in the spill area that can be cleaned and those that cannot.** Non-porous surfaces (finished wood, plastic or concrete) can be cleaned following this guidance. Porous surfaces or fabric-covered items (upholstery, carpeting, stuffed animals, pillows, backpacks, unfinished wood, cork, cardboard) are difficult to clean because mercury beads may be trapped in these materials. If you decide you cannot clean these items, place them in plastic trash bags or cover or wrap them in a double layer of plastic and carefully seal with tape. Place the wrapped items in a secure place, preferably outdoors and out of the reach of children and pets. You should consult with a trained professional about how to decontaminate or dispose of these items safely.
- **Wear gloves to carefully pick up the larger pieces of broken glass and what remains of the broken device and place them on a paper towel.** Gently fold the paper towel around these pieces so you can pick the bundle up and place it in a zipper-type plastic bag. **Use index cards or stiff cardboard to push smaller pieces of glass and mercury beads together into a pile.** Shine a flashlight at an angle to locate beads of mercury. The beads will reflect light from the flashlight. Check for mercury in cracks or in hard-to-reach areas where beads may be hidden or trapped. Check a wide area beyond the spill.
- **Use the eyedropper to collect mercury beads and place them in the plastic bag.** Hold the eyedropper at an angle to draw the mercury into the tip. Keep the eyedropper at an angle to stop the mercury from rolling back out until you can put the mercury into the plastic bag. Wrap tape (sticky side out) around your gloved fingers and carefully use it to pick up any remaining glass or beads. Check again with the flashlight to be sure that no beads of mercury remain.
- **At this point, mercury beads may still be trapped in cracks or crevices on irregular surfaces. Sprinkle sulfur powder over the contaminated area and rub it gently all over the surface and into the cracks with a paper towel.** Sulfur powder binds with mercury. Use a paper towel dampened with water followed by wiping with another damp paper towel to clean up the sulfur and mercury. Place the used paper towels in a zipper-type plastic bag.
- **Put all the items that were used to pick up the mercury, including index cards or cardboard, eyedropper, contaminated tape, paper towels, and zipper-type bags into the trash bag.** Carefully remove rubber gloves by grabbing them at the wrist and pulling them inside out as they come off. Place the used gloves in the trash bag.
- **Carefully seal the trash bag that contains the mercury-contaminated waste and put it in a secure place, preferably outdoors and out of reach of children and pets until it can be disposed of safely.**
- **If possible, open a window and use a fan to ventilate the area to the outdoors for 24-48 hours before resuming normal use.** If possible, heat the area (for example, with a space heater) while still ventilating to the outdoors. Avoid blowing the exhaust back indoors or into other nearby residences.

- **Clothes or shoes that did not come in direct contact with liquid mercury should be removed and put into the trash bag** that was left outside the contaminated area at the beginning of the cleanup. Close the trash bag and take it outdoors. Carefully remove the shoes and or clothing from the trash bag and air them out thoroughly outdoors for 24 to 48 hours. After the outdoor airing, items that are washable can then be laundered.
- **Dispose of contaminated items properly!** Mercury-contaminated items should not be placed in the regular household trash. Contact your town or county officials for information about hazardous waste disposal in your community.

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Your rights under this EULA terminate upon your termination of this EULA, or without prejudice to any other rights, The PYURE Company may terminate this EULA if you fail to comply with its terms and conditions. In such event, you must destroy all copies of the Licensed PYURE Software.

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# WARRANTY

Please visit [Pyure.com/warranty-registration](https://www.pyure.com/warranty-registration) to register your MySpace™, activate your warranty and order replacement parts.

The Pyure Company (“Pyure”) warrants that the product set forth below will be free from defects in materials and workmanship for the period of one (1) years from the date of original purchase under the following terms and conditions:

To obtain service under this warranty, send or deliver this product within the warranty period together with the warranty certificate to any Pyure regional office or Pyure authorized warranty service center. If requested, by Pyure or a Pyure authorized service center, you must present proof of purchase showing date and place of purchase. If upon inspection by Pyure or a Pyure authorized warranty service center, the product is proved to be defective, it will be repaired without charge using, if necessary, new parts or comparable used parts that have been fully reconditioned and returned to you. The warranty period for replacement parts shall extend for a period of six (6) months following the installation of same or for the remaining period of this warranty whichever is longer. This warranty card does not apply in the following cases: (a) damage to product due to mishandling, alteration, failure to follow operation, maintenance or environmental instructions prescribed by applicable instruction manual or shipping damage; (b) damage caused during service performed other than Pyure or a Pyure authorized service center; (c) if the product has had its serial number(s) or other identifying data removed; or (d) damage, defect or unsatisfactory performance caused by the use of equipment not manufactured or distributed by Pyure. **IN NO EVENT WILL Pyure BE LIABLE FOR ANY DAMAGE, INCLUDING INCONVENIENCE, LOST PROFITS, OR LOST SAVINGS, OTHER INCIDENTAL DAMAGE STEMMING FROM THE USE OF THE PRODUCT OR OUT OF DEFECTS THEREIN, OR BY BREACH OF THIS EXPRESSED WARRANTY OR ANY IMPLIED WARRANTY WITH THE RESPECT OF THIS PRODUCT, WHETHER ON ACCOUNT OF NEGLIGENCE OR OTHERWISE, EVEN IF Pyure OR A Pyure AUTHORIZED WARRANTY SERVICE CENTER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

Some states or provinces do not allow limitations on how long an implied warranty lasts or limitations of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state or province to province.

# Frequently Asked Questions (FAQs)

## **What are hydroxyls?**

Hydroxyls (HO•) are naturally occurring radicals. They are created in our atmosphere when the sun's ultraviolet rays react with water vapor in the air. Hydroxyls are an important agent that scrub and cleanse our planet's environment. OH Air® Hydroxyl Generators replicate this naturally occurring process and bring it indoors.

## **How do hydroxyls clean surfaces and hard to reach places?**

Once the hydroxyls are created, they are sent to 'seek and destroy' odor molecules, bacteria, viruses, mold, VOCs and other chemicals.

This system does not require all of the contaminants within a room to pass through the processing chamber. Outside the unit the hydroxyls immediately begin a cascade reaction in the air, thus creating even more hydroxyls. The cascade of hydroxyls quickly disperse throughout the air and penetrates surfaces and objects and reach places that otherwise can't be reached. Other technologies only clean or filter the air that passes through the unit (a small percentage of the air in a room).

## **How does it kill mold?**

As well as directly destroying spores, the OH Air® system treats infected areas by cutting off the food source for mold. As a result, there is nothing for mold to feed on since the very bacteria and micro-organisms that it relies on to survive have been killed off. Only this way can mold be rendered inert.

## **Are hydroxyl generators safe to run in occupied areas?**

Hydroxyl generators developed by OH Air® are safe to run (and have been independently tested) in occupied areas. Unlike ozone and harsh chemicals, hydroxyls are completely safe for people, pets and plants. They will not damage rubber, plastic, leather, vinyl, electronics or other sensitive materials. They will also not bleach or discolor items - wet or dry.

## **How long does it take to work?**

Hydroxyls are very fast acting and do their work through a chemical reaction. There needs to be a high enough concentration - If there is no noticeable reduction in odor, a second or stronger unit may be required. Results are often noticed within the first few minutes of operation, with heavy odors being permanently eliminated after 3 – 4 days.

## **Do hydroxyls smell?**

Hydroxyls themselves don't have any smell. When hydroxyls interact with the environment, that may create some odor. If the odor is too strong, turn the fan speed on your MySpace™ to lower settings. The odor may be stronger initially as a room is first treated.

## **The odor/mold I was treating is gone, will it come back?**

Air and surfaces will be fully treated. If the cause (urine, feces, smoke, cleaning agents, mold, etc) is within/embedded in the material, the unit will need to run until the source is exhausted or removed. You can also dampen (wet) down the surface and re-treat to improve results.

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