



FV-01VCN1

WIRING

Can we daisy chain the WhisperAir Repair units together? Example: for a classroom that needs 4 units?

Yes, please follow local jurisdiction for code requirements.

How much power or watts is Whisper Air Repair using? How much electricity does 1 unit use on average? What if I have 10 units, how much power is that?

The power consumption of the product is 4 watts. It operates for 24 hours so it uses 96 Watt-hours per day (or 96Wh). Using 10 units makes it 960Wh (or 0.96 KWh) per day.

Would I wire this in with my lighting for the room it is going into?

You can wire with lighting for the room, but it is recommended to have Whisper Air Repair on a separate switch for extended operation, without the light.

My contractor mentioned a service switch, what is that?

A service switch would be installed between the electrical panel and the device so that the unit can be shut off to be serviced. This can also be addressed using a lockout tagout breaker. Follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

Can this unit be installed to Chicago wiring standards?

The wiring of this product should be similar to our ventilation fans. Follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

Is a box(enclosure) optional? Can it be a portable unit?

No, a box enclosure is not recommended for this product.

Can I use armored cable for a commercial install?

Yes, the junction box has a metal cover for the connection from the MC and allows for a connection to ground from that.

Does this come with a 120v plug or will it be hardwired?

This product is intended to be hardwired. Please refer to the installation guide. Follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

Is the unit grounded?

Whisper Air Repair does provide a ground connection in the junction box; please follow local jurisdiction and code requirements when installing. Follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

Can this unit be damaged from a power surge? Example: when the power comes back on after a storm or outage? Can it run on my generator?

It is possible that a power surge could damage this product, but there is an internal fuse to prevent a serious electrical event. If the generator operates 120V, it should be able to run.

INSTALLATION

Can vapor barriers or insulation be used with the unit?

Yes.

Can I over tighten the clamps and the unit fall out of the ceiling?

Yes, the compression clamps are designed to be used for old and new work installations and various building materials. When tightening the clamps, be sure not to damage the physical make-up of the ceiling materials for your installation.

Is there a stencil in the packaging so I know what size hole to make?

Yes. A stencil is included with the installation instructions.

Can I install it or should I hire a contractor?

Whisper Air Repair should be installed by a licensed professional.

What size opening do I make for the fixture? What happens if the hole is too big or too small?

Make a \varnothing 6 inches (152mm) hole. If the hole is smaller than 6 inches the product cannot be installed. If the hole is bigger than 6 3/8 inches, then the install plates can not be supported in the drywall and cannot be installed. The range is 6 inches to 6 3/8". Please use the installation guide and included template to ensure proper installation, and follow the local jurisdiction for code requirements.

What is the thickness in the ceiling when installed? Clearance.

Applicable ceiling thickness is 1/4"-1" (6-25mm). (Install manual); 5-3/8" (137mm) above from the Frame flange when it is installed.

Is there a rough in bracket for new construction you recommend?

We do not recommend a specific product, but the unit will fit a bracket for a 6" can light.

If installed in a T-Bar ceiling, is there a wire tie loop in the case if the spec requires being tied off?

No, but the unit fits in a 6" can light bracket.

Do you have a construction cover for it while the contractors finish the flooring and painting?

No.

Is there a bracket I should be using for a drop ceiling tile install?

Yes, please use current available products based on hole size/seismic requirements, and based on local jurisdiction and/or code requirements.

Where would I not want to install this in my home?

Please check installation manual; specifically any room with humidity exceeding 85%.

Can I mount this unit in the wall since power is easier to locate?

No, this product is not recommended for installation in a wall or slanted ceilings.

Can it be used in wet areas like a steam bath?

This product can't be used in wet areas because Nanoex device does not work in a steamed environment. Powder room (no tub/shower/steam) is ok.

Can this be a retrofit unit or only new construction?

This unit can be used for a retrofit with adequate ceiling space and electrical, in addition to new construction.

Can I get the Grille in other colors?

The grille comes in one color, but can be painted.

Can I order a new Grille?

New Grilles will be available through service parts.

OPERATION

What is the recommended area that a single unit can purify? (Square feet and Cubic feet)

A single unit can cover between 100-200 ft² (850-1700ft³), depending on environmental factors¹. It is recommended to have the unit in operation 24/7.

What happens to the treatment area if the HVAC system turns on? (spreading the particles)

Ventilation has a mitigating and not adverse effect on issues the WhisperAir Repair addresses. It is difficult to say what the exact effect will be for any particular situation.

What happens when a door is opened? (dilution)

Ventilation has a mitigating and not adverse effect on issues the WhisperAir Repair addresses.

If the product is the same as in the Mini-Split, why is the area of the mini split treatment said to be so much larger? (is cfm the only limiting factor?)

The nanoe™X device is the same as the Mini-Split A/C system. Keeping with regulatory conditions, the Mini-Split area is larger because of fan air volume difference.

Would this unit be beneficial in a commercial setting where the air exchange is 5x or higher?

Yes, as an addition to supplement filtration and other ventilation solutions.²

Are there operational ranges that the nanoe™X generator need to operate in?

Temperature range is 41-101F and Relative Humidity is 30-85%RH for proper nanoe™X operation.

What do I do if I hear something stuck in the fan?

It is very unlikely that an item will get stuck in the device. If this does happen, please perform the following:

1. If you hear a strange noise, turn off the product and disconnect the power source.
2. If you see something stuck in the grille, please remove it while the product is off and the power is disconnected.
3. If the strange noise continues, turn off the product, disconnect the power source and contact Panasonic for maintenance.

Can the unit run 24 hours a day, or do you switch on and off as needed?

Switch on/off as needed, but can be left on 24h/day.

Does the unit eliminate Formaldehyde in my home?

No. However, it does inhibit the growth of bacteria, viruses, allergens and mold; and breaks down hazardous substances for improved occupant health.¹

What are the maintenance requirements for this unit?

The nanoe™X technology is maintenance free. The grill is removable for routine dusting as needed.

Do we have a DC motor option?

There is no DC motor option. The unit is AC powered and uses only 4.0W.

What proof do I have that it is treating anything?

Panasonic has specific tests and claims. Please refer to website.

How do I test the nanoe™X unit to verify it is working?

After turning the power on, there is a very low humming sound of the fan and nanoe™X in operation.

What does the LED light mean if it came on?

If the LED light is blinking, call the Panasonic Call Center for technical servicing.

Does this unit emit Ozone? If so at what rate?

The WhisperAir Repair complies Electrostatic Air Cleaners, UL 867, Section 40, Fifth Edition, August 4, 2011 revision: August 7, 2018. The WhisperAir Repair was found to meet the criteria for emission of ozone not exceeding a concentration of 0.050 ppm.

FUNCTIONALITY

Should I have one even if I have UV or iWave already in my ducts?

WhisperAir Repair can compliment both UV and iWave systems by providing constant 24/7 operation without the need to operate an air handler, and reaching areas that are not in direct view of the UV light.

What is nanoe™X? How is it different from other ionization products?

nanoe™X ions which are produced from Panasonic's own technology, last up to 6x longer than hydroxyl radicals in nature because they are surrounded by a water shield.

If this is not an exhaust fan, where is the bad air going?

Air is circulating with OH radicals which purify the area.

How does this change the molecule? Please explain?

The unit removes the Hydrogen atom from the substance/organism it encounters, inhibiting them.

Why is this better than a HEPA/Merv/Carbon filter unit I bought at Walmart? I can move that from room to room?

Maintenance free; low cost of ownership and operation.

How long has Panasonic been making/using this technology?

More than 20 years with several upgrades.

Is this instead of exhaust only strategy to IAQ solutions?

This complements IAQ solutions, but does not replace them.

Is there a list of bad things it cures?

nanoe™X does not cure any illnesses. It inhibits viruses, bacteria, mold and odors.¹

Does it work with Alexa?

Yes, if using a smart switch/plug which is compatible to work with Alexa.

Will the Nano particles purify the HVAC ducting in the home?

No. nanoe™X particles are effective in the room where the product is installed, not in ductwork.

How quickly can we eliminate odors?

It depends on the odors type. The product deodorizes various odors such as "cigarette odor", "body odor" etc. Refer to the website for more details: us.panasonic.com/ventfans.

Why is it better for my skin and hair? Is that just a marketing ploy?

nanoe™X combines with natural sebum to coat the skin, leading to smooth, well-hydrated skin. Furthermore, the abundant moisture found in nanoe™X hydrates the hair and helps the hair achieve a proper moisture balance.

Can I install more of them to cover a bigger area? Do you have a calculation formula to determine spacing of the units and how many would be needed?

A single unit can cover between 100-200 ft² (850-1700ft³)¹, depending on environmental factors. It is recommended to have the unit in operation 24/7.

Can I use this unit in my basement to eliminate mold?

One of the features of the nanoe™X technology is that it can inhibit mold and bacteria¹ growth (See below the description of the product in the installation instructions). Temperature and humidity ranges need to be 41-101F and 30-85% RH for proper nanoe™X operation.

Will the WhisperAir Repair decrease or increase my humidity levels?

This product circulates and purifies the air. It does not affect humidity levels.

Will this technology damage my artwork on the wall?

No, the nanoe™X technology will not damage physical objects.

FUNCTIONALITY

Will the unit or OH particles move around better if I have a ceiling fan on in the same space?

Ceiling fans will help circulate air, and may assist in moving particles. However, many environmental factors can affect distribution as well.

What is an OH radical?

Highly reactive components comprised of Oxygen and Hydrogen that combine with many organic molecules, inhibiting them.

Why would I install this in the baby's room when I can just buy the one that sits on top of the baby's bureau?

Maintenance free; no filters to change; low cost of ownership.

Is this the same solution as other ionization products?

The nanoe™X technology is proprietary and patented by Panasonic. The OH radical covered by water gives it an extended lifetime (600 seconds). This is important to have an effect on the entire area being treated.

Is there a higher CFM unit available?

Not at this time.

Do they make one with a speaker built in?

Not at this time.

OTHER

Does this work for the common cold? Flu? Allergies?

No, WhisperAir Repair does not cure illnesses.

Will this technology help me get better after I get sick?

No, WhisperAir Repair does not cure illnesses.

Why is this a better solution over the Broan UV fan?

Broan UV fan only effectively treats surfaces within a few feet of the LED, whereas WhisperAir Repair can penetrate into fabrics and carpets. We do not recommend using Whisper Air Repair in a bathroom, but it is ideal for light commercial applications, hotels, educational facilities, elevators, subway cars, restaurants and other public spaces². Also great for use in residential settings including living rooms, bedrooms, basements, closets and mud rooms.

Why would I buy this over an induct system?

Whisper Air Repair provides spot purification; no air handler required.

Is iWave better than this? Why?

The application and CFM ranges are very different. WhisperAir Repair does not require an air handler, whereas the iWave does require it.

Do you have a list of contractors that are certified with this Nanoe™X technology?

No.

What is the warranty?

3 year warranty, from date of purchase.

¹ WhisperAir Repair's impact on odors, allergens, pollens and hazardous substances was based on testing in an 812ft³/23m³ room. WhisperAir Repair's ability to inhibit growth of virus (tested with Bacteriophage ΦX174), mold (tested with Alternaria), was based on testing in an 883ft³/25m³ area. Bacteria (gram-positive Staphylococcus epidermidis) testing was based on a 1728ft³/49m³ room. Please refer to the Panasonic website for more details: us.panasonic.com/ventfans.

² Not intended for use in medical facilities.