

Specification Submittal Data / Panasonic Air Purification Device

Description

Air purification device shall be low noise ceiling mount type, rated for continuous run. Certified by Intertek for UL/CSA safety standards.

Nano-e™ X Technology:

- Device utilizes patented nano-e™ X charged water particle generation technology to purify contaminated air.
- Inhibits growth of bacteria, viruses, allergens, and mold; and breaks down hazardous substances.*

Motor/Blower:

- Air purification rates shall be > 9 CFM.
- Two pole condensor AC motor.
- Power rating shall be 120 volts and 60 Hz.
- Motor equipped with thermal-cutoff fuse.

Housing:

- Rust proof epoxy and polyester resin coating, 26 gauge galvanized steel body.
- Insulated housing to prevent condensation and noise.

Installation:

- Ideal for use in light commercial applications, educational facilities, long term care facilities, hotels, elevators, restaurants and other public spaces.**
- Perfect way to spot purify your space during off hours when your HVAC system is not operating; or for use in tight spaces, like conference rooms.

- Mounts into any ceiling and can be used with new or existing wiring.***
- Panasonic recommends installation be tied into a constant run circuit to ensure optimal performance.
- Built-in clips hold unit firmly onto sheetrock or ceiling tiles; no additional brackets needed.

Maintenance:

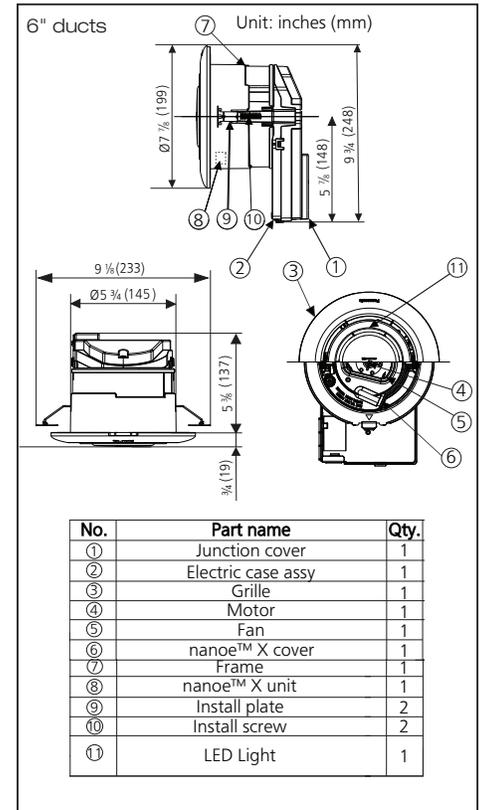
- Maintenance-Free device; no filters to change.

Warranty:

- All Parts: 3 Years from original purchase date.

Architectural Specifications:

Air purification device shall be ceiling mount, certified by Intertek for UL/CSA safety standards with no less than 9 CFM and < 0.3 sones. Purification device shall utilize Panasonic's patented nanoe™-X charged water particle generation technology to purify contaminated air. Power consumption shall be no greater than 4.0 Watts. The AC motor shall be two pole condenser type. Power rating shall be 120v/60Hz. Housing shall be insulated to reduce condensation. Purification device shall comply with California Air Resources Board (CARB) for electrical safety and ozone requirements specified in Title 17, California Code of Regulations, subchapter 8.7 "Indoor Air Cleaning Devices."



FV-01VCN1

Specifications	WhisperAir Repair™
	FV-01VCN1
Air Volume (CFM)	9
Noise (sones)	<0.3
Power Consumption (watts)	4.0
Speed (RPM)	1510
Current (amps)	.04
Power Rating (V/Hz)	120/60
Net Weight [Lb (kg)]	3.1 [1.4]

Panasonic factory is registered as an EPA establishment that produces a pesticide device; factory EST ID: 93165-MEX-1.

* Whisper Air Repair's impact on odors, allergens, pollens and hazardous substances was based on testing in a 812ft³/23m³ room. WhisperAir Repair's ability to inhibit growth of virus(tested with Bacteriophage), bacteria(gram positive) and mold was based on testing in a 883 ft³/25m³ area. Please refer to website for more details.

** Not FDA certified for use in medical facilities.

***Refer to local jurisdictions and manufacturer installation guide.

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(Continued)

The nanoe™ X advantage to healthier indoor living

Panasonic nanoe™ X is the next generation of our exclusive nanoe™ air purification technology for healthier indoor air quality and healthy living in every space. nanoe™ X is generated from moisture in the air that contains highly reactive components known as hydroxyl (OH) radicals, which have been proven effective at suppressing airborne pollutants, bacteria and odors.

Nanoe™ X are Hydroxyl Radicals (OH) inculcated in water, giving them a longer life span (up to 10 min¹). Their size is 5-20nm² which allows them to penetrate fabrics thoroughly and reach every corner of the room in order to inhibit pollutants like viruses and allergens.

What is •nanoe™X?

nano-technology + electric =

nanoe™ X is nano-sized electrostatic atomized water particles that are rich in OH radicals.



4.8 trillion OH radicals / sec



Water Particle
OH radicals (Highly reactive components) (Water ion)

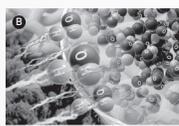
Approx. 5 - 20nm

How •nanoe™X works?

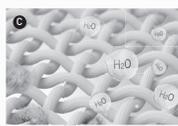
Deodorizes Odors



nanoe™ X reaches odor in fabric

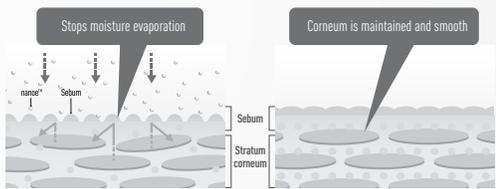


OH radicals break down odor-causing substances



Deodorizes smells in fabric

Helps maintain skin moisture



Stops moisture evaporation

Corneum is maintained and smooth

Using existing moisture already in the air, nanoe™ X hydrates the sebum (produced by sebaceous glands to lubricate the skin) on the skin to help prevent loss of moisture.

[28 days later] Leads to smoother, well hydrated skin.*

*Test Laboratory: FCG Research Institute Inc. Report no. 19104

Inhibits Airborne and Adhered Pollutants



nanoe™ X reaches pollutants in fabrics



OH radicals take hydrogen away from pollutants



OH radicals transform hydrogen to inhibit the activity of pollutants

¹ <https://www.panasonic.com/global/consumer/clean/hydroxyl/history.html>

² 1nm (nanometer = 0.00000001m (one billionth of a meter))

The **7 healthy effects** of nanoe™ X purification technology

DEODORIZES



Odors

INHIBITS 5 TYPES OF POLLUTANTS*



Bacteria & viruses



Mold



Allergens



Pollen



Hazardous substances

MOISTURIZES



Skin & hair

For complete Installation Instructions visit us.panasonic.com/ventfans

Model	Quantity	Comments	Project:
			Location:
			Architect:
			Engineer:
			Contractor:
			Submitted by:
			Date: