



NV900 Air Purifier User Manual

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This air cleaner complies with the federal ozone emissions limits, ARB Certified.














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1. Intended Purpose

The intended purpose of the NOVAERUS NV900 Air Purifier is to improve the quality of air. Please read and follow all instructions in this manual.


2. Labeling Symbols

Symbol	Meaning
	Caution, Consult Users Manual
	Caution, High Voltage
	Date of Manufacture
	Manufactured for or by
	Serial Number
	This product conforms to North American safety standard.
	On (Power)
	Off (Power)
	Slow Fan Speed (Speed 1)
	High Fan Speed (Speed 2)
	Accompanying documents must be consulted.
	Indicates the temperature limits to which the medical device can be safely exposed.
	Indicates the range of humidity to which the medical device can be safely exposed.

3. Classification of Equipment

Item	Classification
Protection of Harmful Ingress of Water	IPX0 (No protection, Indoor Use Only)
Mode of Operation	Continuous

4. Warnings

 General Warnings
CAUTION: This equipment contains high voltage
CAUTION: This equipment should be inspected frequently and collected dirt removed from it regularly to prevent excessive accumulation that may result in flashover or a risk of fire.
CAUTION: To avoid the risk of electric shock, this equipment must only be connected to a supply mains with protective earth.
CAUTION: This equipment shall only be installed by a qualified installer.
CAUTION: No modification of this equipment is allowed.
CAUTION: Do not modify this equipment without authorization of the manufacturer.
CAUTION: Do not restrict the air flow of the product.
CAUTION: Replace carbon filter every 3 months with the same type provided with the unit.
CAUTION: Do not open the tamper proof screws on the casing of the unit. No serviceable parts are contained within. The units should be opened by qualified Novaerus personnel only.
CAUTION: Do not position the equipment where it is difficult to operate the power switch.
CAUTION: For continued protection against risk of fire, replace the fuse with the same type and rating, Listed, 250VAC 3 Amps.
CAUTION: The non-detachable power supply cord is not field replaceable by service personnel. If damaged during inspection, The service should be immediately disconnected from power and returned to Novaerus.
CAUTION: Do not use outdoors or near water.
CAUTION: Not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

CAUTION: To reduce the risk of electric shock, this equipment has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type power outlet. If the plug does not fit into the outlet, contact qualified personnel to install the proper outlet. Do not alter the plug in any way.

5. Technical Specifications

- a. Dimensions: 14.4" w x 14.4" h x 4.5" d
- b. Weight: Approx. 10.4 lbs.
- c. Power Requirements: 120 VAC, 60 Hz, 1.07 A
- d. Fuse Specification: 250 Vac, 3 Amps, Listed
- e. Power consumption: Maximum 20 Watts
- f. Mounting: Wall Mounting according to Instructions in section 7
- g. Fan Airflow Volume:
 - SPEED I: 150 ft³/min
 - SPEED II: 180 ft³/min
- h. Operating Conditions: 10 - 35°C, 10 - 75% Relative Humidity, 2000m
- i. Shipping / Storage Conditions: 5°C-50°C, Maximum 95% Relative Humidity

6. Instructions For Use

The product should be placed in a dry location and connected to a suitable grounded outlet. The product is intended to be wall mounted. Please follow the instructions provided in the Wall Mounting Instructions included in this document. Once the product is installed, turn the power switch to the on position. The device is now operating. The product includes a fan speed switch to allow the product to set on a slow or high speed. Roman numeral I indicates slow speed, Roman numeral II indicates high speed.

7. Wall Mounting Instructions

The mounting of this product shall be conducted by a trained service person that is experienced with the proper use of standard installation tools such as a drill, screw driver, tape measure and level.

The product can be wall mounted using suitable fasteners for the corresponding wall type. Fix the screws horizontally with a spacing of 2-1/2". Leave the screw head protruding no more than 1/2" from the wall for hanging. Ensure screws are tightly secured into the wall and a solid connection is made between the screws and the unit. Ensure the product is level. Follow these instructions depending upon mounting surface:

For hollow wall construction studded with metal or wood framing and sheathed with Drywall, Plaster, or Plywood, an appropriate hollow wall such as a #10 re-usable anchor.

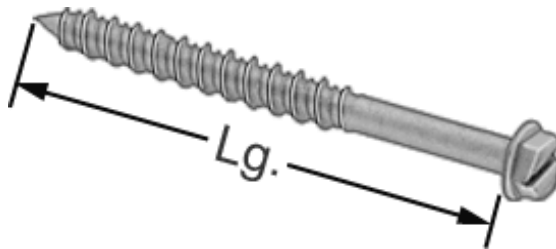
Each of the two **reusable anchors** used must be rated for a 20.0 lbs. rating minimum, and be the appropriate size for the sheathing thickness. Use #10 size minimum.



Typical drill size is 3/8" for the #10 re-usable anchor shown. Follow manufacturer's instructions.

For concrete or masonry wall construction

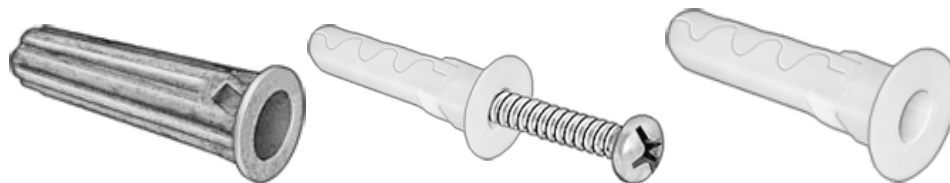
Purposed 3/16" concrete screws



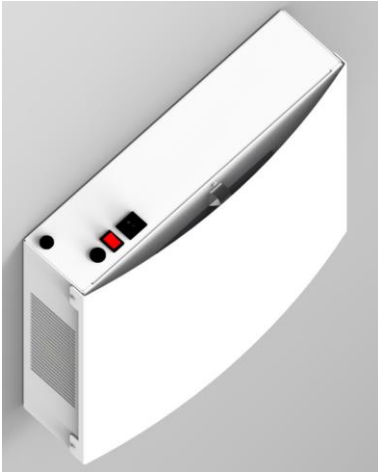
Each of the two screws must be rated for 20.0 lbs. minimum.
Typical drill size is 5/32" for the 3/16" concrete screw. Follow manufacturer's instructions. Follow manufacturer's recommendation for drill depth for screws being used.

Various types of concrete inserts are available that are adequate for use in concrete, such as conical lead or flanged Polypropylene that will be adequate for installation of the rack mount bracket. They must be individually rate to support 20.0 lbs. minimum.

Use sizes that support a #10 screw minimum.



Typical drill size is 5/16" for the #10 conical lead anchor for concrete. Follow manufacturer's instructions. Follow manufacturer's recommendation for drill depth for insert being used.



Typical drill size is 1/4" for the #10 flanged Polypropylene anchor for concrete. Follow manufacturer's instructions for drill depth for insert being used.

For plywood wall construction

Use #10 1" screw, each of the two screws must be rated for 20.0 lbs. minimum.

8. Service and Maintenance Instructions

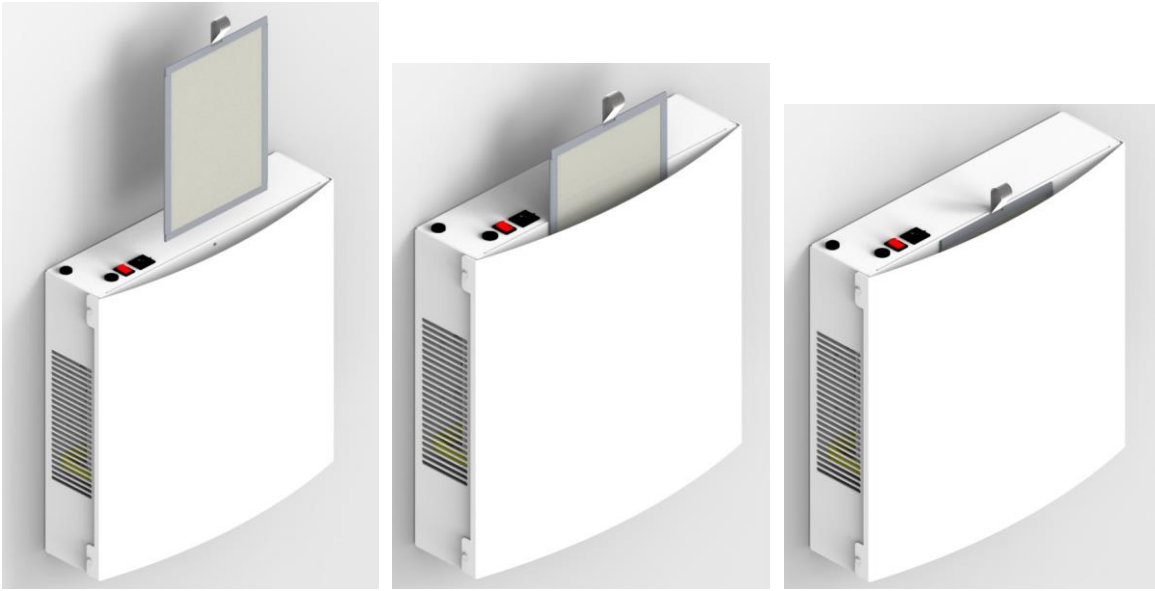
Intake Filter Screen

Cleaning of the intake filter screen is recommended to be conducted monthly. To clean the intake filter screen, it is recommended to use a standard vacuum cleaner brush or compressed air in an open ventilated area to blow the dust off the screen.

It is recommended that the user inspect the intake filter bi-weekly in the first 2 months of use to determine the most appropriate cleaning period for its facility. If dust and debris has collected on the intake screen sufficient enough to cause a significant decrease in airflow, more frequent cleaning may be required.

The screen filter can be removed by pulling on the cloth tab attached to the screen filter frame. The screen filter is removed from the top of the device. See image below with arrow indicating location of filter tab.

Replacing the screen: When replacing the screen, please ensure that the screen is pushed down completely in the track to ensure the air intake is completely covered by the screen. You will feel the screen stop once it is fully inserted; no part of the screen frame should be sticking out from the top of the unit.



The metal frame grid should be facing towards the rear of device as shown in the image below.



An **additional screen** has been provided for each unit to allow for rotation during the cleaning process. The NV900 unit should not be operated without the Intake Filter Screen in place.

Service

Do not open the tamper proof screws on the casing of the unit. No serviceable parts are contained within. The units should be opened by qualified Novaerus personnel only.

9. Troubleshooting

Should the unit sustain severe damage and an increase in noise from the internal parts is observed, discontinue use of the unit and contact a representative of the Novaerus technical team for assistance. This product is not intended to be repaired in the field.

Should the unit not power “on”, check to ensure that the fuse located on top of the unit is secured tightly in its socket.

10. Product Certifications

NV900: UL Listed, UL 867