Manual NOVA





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Operation of NOVA

When NOVA is received, it must be examined immediately for any visible damage.

Any damage must be reported immediately to the carrier on site. During installation, NOVA must be protected so that construction dust and other dirt cannot settle on the UV tubes.

1. location in the room

NOVA should always be installed indoors.

NOVA is always wall-mounted.

The position of the machine(s) should be as noted on the ventilation drawing. If this information is missing, the general guideline is that the NOVA should be mounted as close to the centre of the room as possible, e.g. in the middle of the longest wall of the room. If the room is to be equipped with two or machines, the machines should be distributed as evenly as possible around the walls of the room.

NOVA is mounted at least 2 metres above the floor surface. Note also that it is recommended to leave at least 10 cm between the top of the machine and the ceiling, to facilitate assembly and disassembly of the cover plate during service and cleaning.

To avoid any disruption in functionality, the machine should also be placed at least two metres from the nearest exhaust air outlet.



2. assembly instructions

- Start by finding the correct position of the NOVA according to "1. Positioning in the room".
 - Check that the plug is unplugged or, if the electrical installation is fixed, that the power is disconnected.
 - Loosen the screws on the underside of the cover plate and then lift it off.
- 2.4 Lift out the protective cover.

2.2

- Hold the Suspension Plate up against the wall where the NOVA will be mounted and mark the four screw holes.
- 2.6 Fix the suspension plate with four screws.
 - Hook back the Protective Cover specifically ensure that the electrical contacts in the Protective Cover and the Suspension Plate engage correctly.
- Replace the cover plate and tighten the screws on the underside.

WARNING:

UV light can cause painful irritation of the cornea ("snow blindness" or "welding glare"), so always avoid looking directly at the blue light from the UV tubes and always wear protective glasses during installation or servicing of the system.



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3. Electrical installation

NOVA is supplied with a plug. This must be connected to an earthed socket, 230 V, 10 A.

In cases where a fixed installation of the power supply is desired, this installation must be carried out by a qualified electrician and comply with local electrical directives.

4. Commissioning

NOVA starts automatically when it is electrically switched on.

The integrated UV tubes are always lit when NOVA is energised. The fan only runs when the settings allow. See below under "5. Settings".

5. Preferences

NOVA has an automatic control system that regulates the permitted ozone concentration in the room. From the factory, NOVA is delivered with the setting that a motion detector switches off the fan when someone the room and keeps the fan switched off as long as the person continues to move around the room.

With the knob on the machine's motion detector, you can change this setting in three steps. 0 = Fan always off (NOVA then has no cleaning function) Auto= The motion detector switches off the fan when people are in the room. 1 = Fan always on

Note that the factory setting is designed to ensure that NOVA complies with the Swedish Work Environment Authority's requirements for the maximum permitted ozone concentration in areas where people are present. If the knob is set to position "1", it may possibly lead to limit values being exceeded.



6. In-built security system

- NOVA uses both UV light and ozone in the process of purifying the air. As both UV light and ozone are regulated based on human exposure, NOVA has a built-in safety system.
- When servicing, the power to the NOVA must be switched off before starting work. Should this step be missed, NOVA has an enforced safety system which means that the power is cut off as soon as the protective cover is removed from the suspension plate.



7. operation & maintenance instructions

7.1 Cleaning intervals

The UV tubes should be cleaned at regular intervals to keep the NOVA functioning optimally. The recommended frequency of cleaning is one (1) time every three (3) months. However, the frequency of cleaning may vary depending on the type of facility. An example of a circumstance that affects the frequency is the amount of dust in the room. A lot of dust means that the UV tubes may need to be cleaned more often.

7.2 Cleaning of UV tubes

The UV tubes should be cleaned at regular intervals to keep the NOVA functioning optimally. To clean the UV tubes:

- 1) Stop the NOVA by pulling the plug or, in the case of a fixed electrical installation, disconnecting the power.
- 2) Loosen the screws on the underside of the cover plate and then lift it off.
- 3) Lift out the protective cover.
- 4) Carefully wipe the UV tube with a damp cloth. In case of heavy soiling, detergent can be used.
- 5) Hook back the Protective Cover specifically ensure that the electrical contacts in the Protective Cover and the Suspension Plate engage correctly.
- 6) Replace the cover plate and tighten the screws on the underside

NOTE! If possible, avoid touching the UV tubes with your fingers when cleaning, as fingerprints can cause the UV tubes to become dirty more quickly.





Interval for replacement of UV tubes

UV tubes have a lifetime of 2 years, after which they should be .

Replacement of UV tubes

- To change the UV tubes:
- 1) Stop NOVA by pulling the plug or switching off the power.
- 2) Loosen the screws on the underside of the cover plate and then lift it off.
- 3) Lift out the protective cover.
- 4) Disconnect the electrical cables from the UV tube and carefully remove the UV tube from the clips.
- 5)Wear gloves when inserting the new UV tube into the clips, as fingerprints can cause the UV tubes to become dirty more quickly.
- 6) Connect the electrical cables to the UV tube
- 7) Hook back the Protective Cover specifically ensure that the electrical contacts in the Protective Cover and the Suspension Plate engage correctly.
- 8) Replace the cover plate and tighten the screws on the underside.

Recycling of UV tubes

UV tubes contain mercury and must therefore be recycled. Replaced UV tubes should be taken to a recycling centre in the same way as fluorescent tubes and low-energy lamps.



