

NOVA Efficient air purification for garbage rooms

Technical principle: Air purification as in nature

The sun's UV radiation cleans the air on earth from odours and microorganisms, and we do as the sun does. Our NOVA air purifier is of course a smaller source of UV radiation than the sun, but still effectively reduces odours and microorganisms in the air.

NOVA solves odour problems

When a waste room is filled with unwanted odours, the people using it are often inconvenienced. What's more, the odours can penetrate to other areas and spread the odour problem throughout the building. NOVA effectively reduces odours from organic waste so that complaints can be avoided.

NOVA saves money

Almost every restaurant has waste rooms that are refrigerated in an attempt to keep odours and bacteria at bay. NOVA with its active air cleaning does that job better and much cheaper. The investment is only a fraction of refrigeration units and the operation saves several thousand litres every year.

NOVA is approved as an alternative to a refrigeration machine under the rules of Environment and Health.

NOVA passes limit values

When using air purifiers in environments where people are present, the Swedish Work Environment Authority has set two limit values for ozone levels that must not be exceeded. NOVA is the only tested and approved air purifier on the market that meets both of these limits.

NOVA has an integrated safety system that ensures that the machine always switches off automatically when people are in the room. This allows NOVA to comply with the limit values (see table on next page).

Installation

NOVA is very easy to install: the unit is screwed up on the wall and connected to a wall socket. If a permanent electrical installation is required, this must be carried out by a qualified electrician (see "Manual" for more detailed instructions).

Service and maintenance

UV tubes and filters should be replaced every two years.

The easiest way to manage the service is to register your facility with UVtech Inservice. If you are connected, we will automatically contact you and carry out the work when it suits your business. We who carry out UVtech Inservice are specialised and efficient, so you pay significantly less than if you choose your local service company. Contact your supplier or UVtech directly to register your facility with UVtech Inservice!



Technical specification

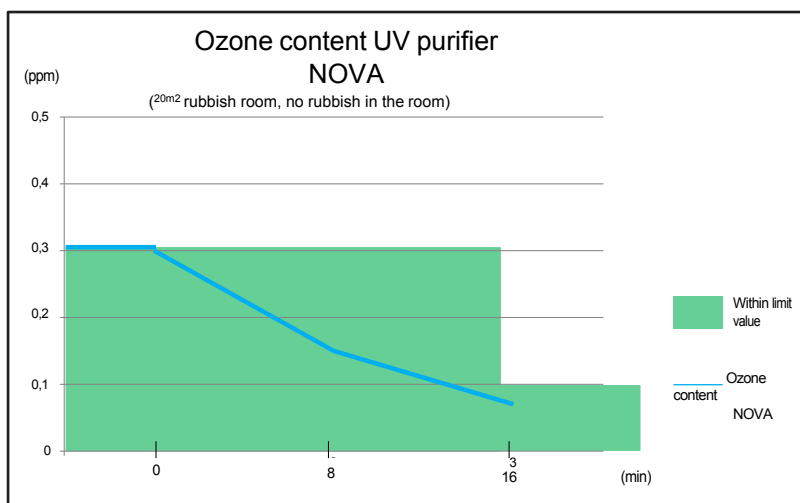
Dimensioning

NOVA is sized according to the size of the room to be treated. The different versions of NOVA have a maximum capacity expressed in square metres (this measure assumes normal ceiling height ~2,5m). If the room in question is larger than the maximum capacity of the NOVA, the room should be equipped with more machines. The maximum capacity of MiniNOVA and NOVA can be found in the table above under the column "Capacity". These two machines can be freely combined to cover the size of the room in the most efficient way. SuperNOVA is only used in special cases, when the odour load is very high and the room to be treated is a closed room where people are not present.

Limit values for ozone

The Swedish Work Environment Authority's limit values for ozone concentration:

Time spent in the room:	Permitted maximum ozone level:
0 - 15 minutes	0.3 ppm
15 minutes - 8 hours	0.1 ppm



Certification

NOVA has protection class 1 and IP43, and is 3rd party certified for current EMC requirements.

Spare parts

Art. no:	Designation:
2170460	UV tube holder G13
2810570	Compact Tube 210
2810580	Compact Tube 410
2810480	Ballast B65
2810600	Fan
2811220	Motion sensor
2811250	Carbon filter cell
2140010	Cord rack
2811200	Relay
2150310	Safety contact
2811230	Mesh filter 1A

Product:	Capacity: m ²	Dimensions:	Dimensions (W x D x H): mm	Power: W	Voltage: V	Current type:	Fuse: A	O ₃ : g/hr
MiniNOVA	15	2x Tube 210	520 x 170 x 145	39	230	1~N 50 Hz	10	0,09
NOVA	15-30	1x Tube 410	520 x 170 x 145	39	230	1~N 50 Hz	10	1
SuperNOVA	special	2x Tube 410	520 x 170 x 145	55	230	1~N 50 Hz	10	2