

CARFIT

Ozone Disinfector



What sets the CarFIT Ozone Disinfector apart from everything else on the market is that it has the function of converting residual ozone into oxygen.

Why is it important? The function of converting ozone into oxygen allows you to disinfect the interior of a car in just 22 minutes and after these 22 minutes the car is ready for delivery to the client. Without such a function, the interior will have to be aired for at least an hour.

What is an Ozone Disinfector for?

Over time, unpleasant odors can develop in the car. Trying to dry clean or mask odors with perfume is completely useless. The odors won't go away.

Moreover, bacteria in the air conditioning system can be the cause of odors, and then the smell is not just something unpleasant, it is a threat to your health.



The use of disinfectors that spray disinfectant with ultrasonic diffusers in the car interior is ineffective, as they only partially eliminate the cause of the smell.

The most effective method is car interior treatment with ozone:

1. Ozone destroys all known microorganisms: viruses, bacteria, fungi, algae, their spores, protozoan cysts, etc. There is no form of microorganisms resistant to ozone.
2. Ozone has the highest penetrating power.
3. Residual ozone turns into ordinary oxygen without leaving any traces behind

What is ozone?

Ozone - O₃, a triatomic modification of oxygen. It has a strong characteristic odor (of post-storm air) and an exceptional oxidizing power, which makes ozone the best disinfectant.

However, ozone is a poisonous gas. Therefore, it is **STRICTLY PROHIBITED** to be inside the car (even with open windows) during ozone disinfection!

For proper treatment of the vehicle it is necessary to provide:

- Required concentration of ozone
- Duration of the treatment

Excessive ozone concentration can cause damage to rubber products and plastics. High ozone concentration will not improve the effectiveness of the treatment, but will significantly increase the time for ozone decomposition, thereby increasing the duration of the treatment process.

The **C.A.R.fit ozone disinfectant** is pre-installed with 3 fully automatic disinfection programs. That allows performing car maintenance **efficiently, safely and quickly.**



CAR = 22 min

VAN = 29 min

TRAILER = 44 мин

Select the appropriate program, based on the size of the vehicle, and press the "start" button.

Most of the ozone market have, in the best even just an "on/off" performance is greatly



disinfectors on the case, a **clock timer**, or button, and their ozone overestimated.

Special attention should be paid to the performance of ozone by the ozone disinfectant.

For example, when we sunbathe on the beach, we can enjoy and get a beautiful skin tone. But if the sun is very intense, then you can get a serious burn. Likewise with ozone treatment. If the performance of the ozonator is more than 5 g/h and is not controlled by anything, then the effect of ozone on the elements of the car interior will be very severe (ozone is the most powerful oxidizing agent on the planet). Taking into account the fact that ozone decay does not occur instantly, then without accelerating this process, the total time of ozone exposure will be more than half an hour.

The **C.A.R.fit ozonator is equipped with an optimum performance ozone generation unit**, as well as an accelerated ozone-to-oxygen conversion module, which completely eliminates any negative effects of ozone treatment.

After treatment actions:

The human olfactory threshold for ozone is approximately 0.01 mg/m³. Therefore, a person will distinctly feel even the slightest presence of ozone in the air. And,

despite the presence of ozone conversion function, its smell will still be felt. That's why it's necessary to place a flavoring inside after disinfection to muffle the residual smell of ozone, so that the driver doesn't feel discomfort.

What else do you need to know about the operation of the ozonator?

Before disinfecting the interior, it must at least be vacuumed and the air conditioning system serviced.



The ozon disinfectant must be kept clean. Do not use it in high dust and humidity environments. In order to exclude the ingress of foreign small objects, as well as to limit the ingress of dust, filters are installed in the Carfit ozonator at the inlet and outlet of the air flow.

It is very important to carry out the maintenance of the ozon disinfectant in time, which involves cleaning all the elements of it, checking for voltage leaks and replacing the ozone conversion elements, which has a limited resource. To know exactly, when to do this, the maintenance control system is installed into the ozonator (as in a car).

One more advantage

When the maintenance period is reached and the device is turned on, the number of cycles performed will flash on the indicator, and after the start of the work program, the red indicator will blink.

Maintenance must only be carried out by authorized workshops, as it requires qualified personnel. High voltage needs special attention.

The ozon disinfectant cannot be used at air temperatures above 38°C. By the physical feature of the process ozone isn't generated at high temperatures. If it is hot, it's necessary to cool the interior by air conditioner before ozonation.

What is the best way to place an ozonator in a car?

In any position. The penetrating power of ozone is very high, therefore it doesn't matter where the ozon disinfectant blows. The main thing is that the inlet and outlet holes are open.

It is important that all windows of the car are closed, the damper of the ventilation system is in the recirculation mode, and the fan is turned on at the minimum speed. The air conditioner is off.

The best placement is the passenger seat. The C.A.R.fit ozonator is ergonomically optimized specifically for such placement. There it stands steadily, nothing interferes with it and it blows directly into the receiver of the car's ventilation system, and it spreads ozone both through all internal ventilation channels and in the interior of the cabin.

The main advantages of the ozonator C.A.R.fit:

1. The function of converting residual ozone into oxygen - you can get into the car immediately after processing
2. Three fully automatic disinfection programs - work efficiently, safely and quickly
3. Minimum processing time is 22 min - time is money!
4. Filters at the input and output - reliability above all!
5. Maintenance control system - no surprises
6. Optimal design is the key to efficient operation