



OES1000D Operating Instructions

The OES1000D was designed to be positioned neatly beside or under your PSD or PSDP Series of UV ozone instrumentation. Operation of the device results in rapid removal of 99.96% of residual ozone produced by the PSD or PSDP instrument. This allows the ozone-producing device to be used independent of a fumehood or other environmental control.

1. Set-up

The OES1000D consists of a single exhaust line connecting the incubation chamber and OES (which contains a Teflon ozone pump and an ozone elimination module). Using a 1/4" ID hose, connect the Inlet fitting located at the rear of the OES1000D to one of the 1/4" barbed gas ports on the PSD or PSDP instrument. The OES1000D may now be connected to the appropriate power source.

2. Operation

The OES1000D will convert ozone to O₂ and heat. Since it is recommended that samples be incubated in ozone, vacuum pressure should be enabled following incubation, but prior to opening the sample chamber.

When ozone elimination is desired, simply use the power switch on the left side of the unit to start the internal pump. The time required for complete evacuation of ozone will depend on a number of factors, however 5-10 minutes are typically required for standard incubation regimes. When the desired time has elapsed the power may be switched off.

The ozone neutralization apparatus is 99.96% effective at converting ozone to O₂. Even with the neutralization option there will be a faint ozone odor detectable on the interior surfaces of the incubation chamber following use.

3. Maintenance

Very little maintenance is required for the OES1000D. However, great care should be taken to prevent the catalytic contents of the apparatus from getting wet. Moisture will significantly reduce the effectiveness of this device.

1) If the contents are exposed to high moisture levels contact Novascan for servicing.

尺寸 :長31*寬40*高15 cm

- 2) Pump motor maintenance - No oiling or other lubrication addition is necessary. All bearings are pre-lubricated and shielded from external contamination.
- 3). Surrounding temperatures of the pump should remain between 40°-104° F (5°- 40° C)
- 4) Match the electrical power to motor requirements - Serious damage will occur to the motor if wired to an improper voltage.

