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Find the *Newport / Oriel Ozone Eater* at our website: *Click HERE*

Oriel Ozone Eater™



66087 Ozone Eater™ and 66090 Replacement Filter.

- Converts ozone back into oxygen
- Maintains ozone concentration in exit air below 0.1 ppm, the OSHA limit for 8 hours exposure
- Ideal for laboratories that do not have access to ventilation ports

Our Ozone Eater™ converts ozone back into oxygen, making your work environment ozone free and safer! It is the best solution if you do not have access to a ventilation port or the outside. It works with any Oriel Research Housing up to 1000 W, filtering the ozone from the lamp's cooling air.

Connect one end of the hose to your lamp housing fan and the other end to the Ozone Eater™ . The cooling air is collected and passed through catalytic filters that convert the ozone back into oxygen. The 66087 Ozone Eater™ comes with a filter module, an 8 ft. (2.4 m) long flexible hose, two catalytic filter elements, and a fan.

What is Ozone?

Ozone, O_3, a toxic substance, is a molecular form of oxygen produced by a photochemical reaction between UV radiation and oxygen in the air. In low concentrations, ozone irritates the eyes and mucous membranes. The tolerance of ozone and physiological reaction to it varies with the individual. The maximum concentration allowed by OSHA for personnel exposed over an 8-hour period is 0.1 ppm.

Lamps that have output below 242 nm (pulsed and CW) produce ozone. The higher the lamp UV output, the greater the rate of ozone production. With fan-cooled housings, ozone is exhausted through the lamp housing fan. With convection-cooled housings (like our popular Series Q), the ozone leaks out of the housing.

We Offer Replacement Filter Elements

Since the material in the filter elements interacts chemically with a portion of the ozone, the elements must ultimately be replaced; we offer replacements. Their life is dependent upon the ozone concentration in the airstream; at 4 ppm the elements will last ~4000 hours.

Ozone Test Kit

If your lab has a light source, it is a good idea to have an ozone test kit on hand. It measures the concentration of ozone in a sample of air from a range of 0.05 to 5 ppm. The kit consists of a hand operated pump and ten detector tubes. The piston-type pump draws a sample of air through the detector tube. The tube indicates the concentration of ozone by the length of color change on the tube. The detector tubes have a minimum two-year shelf life.

Ordering Information

Model	Description
66087	Ozone Eater™ For 115 or 230 V, 50/60 Hz
66090	Replacement Filter Elements (Package of 2)
66091	Ozone Test Kit
66092	Detector Tubes (Package of 10)

WEB *See our website for more info*

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