

NOVASCAN OZONE FILTRATION EVACUTORS: OES1000D3, OES1000DT200 and OES1000DT300 BROCHURE AND SPECIFICATIONS

For over 25 years Novascan Technologies has Designed and Manufactured UV Ozone Surface Cleaning and Treatment systems for laboratories, production lines and semiconductor clients around the Globe. Novascan's Ozone Filtration Evacuators are a valuable option that is designed to allow a UV Ozone Cleaner user to use a system on a benchtop instead of in a fume hood. Evacuators are a self-contained vacuum filtration and ozone killer. In addition Ozone Evacuators are designed to help cool and remove by cleaning byproducts during and after UV Ozone treatments helping to achieve pristine sample surfaces.



Evacuator Models:

OES1000D3: Designed Room Temperature UV Cleaning Systems

OES1000DT200: Designed for RT and Thermal UV Cleaning Systems with up to 200 deg C stages.

OES1000DT300: Designed for RT and Thermal UV Cleaning Systems with up to 300 deg C stages.

Chamber Gas Exchange Rates for Single Evacuator Setups:

For UV4, UV8 UV Systems: 10 plus exchanges in 15 minutes.

For UV10, UV12, UV816, UV1216 UV Systems: 6 plus exchanges in 15 minutes.

For UV1616, UV2020 UV Systems: 3 exchanges in 15 minute (Dual Evacuators recommended for faster exchange on the ultra large systems)

Evacuator Ozone Concentration at the Evacuator Output:

>0.025 ppm assuming UV system 4l/min O2 flow rate

Method of Filtrations and Filter Lifetime:

Parallel Dual Filter Catalytic Filtration Module.

The catalytic ozone filter is replaceable.

The theoretical life time is 2000 hours.

Evacuation Method:

Ozone-safe oil-free diaphragm vacuum pump with PTFE surfaces.

Control Method:

Manually switched and Auto switched versions are available (Auto switched versions are controlled by the UV system fitted with the appropriate control components and controller programming.)

Hose connections:

Input: 5/16" Barbed fittings (For connection to UV Cleaner - Hoses and length are specific to the type of UV system)

Output: 5/16" Barbed fittings (typically left open in a non-clean room or can be piped to a vent with a short hose or larger diameter hose)

Operating Voltage and Current:

110OES: 110-120VAC, 3A

220OES: 220-240VAC, 1.5A

Footprint:

12L x 15.5W x 6H Inches

Weight: ~ 15lbs depending on model.

Stackable with UV4 and UV8 size UV Systems with the same footprint.

Warranty:

1 year modular replacement parts on the system, 90 days on consumables.

After initial warranties an Extended Warranty with access to our top level Support Team is available.

Systems Updates:

Systems are modular in design and typically can be updated and refurbished back to original specifications by our Support Team

Manufacturing:

Assembled and tested in the USA

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