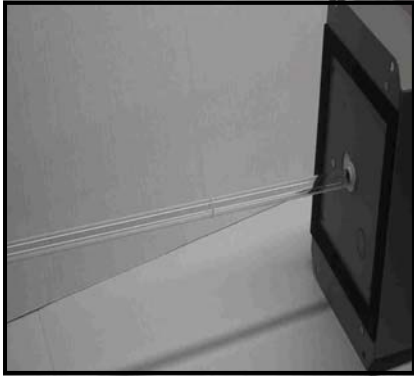




Second Wind Air Purifier NEMA 4 Series

Models: 2000-2300D/3018/3024/3032



Standard Unit

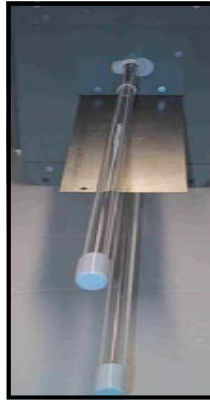
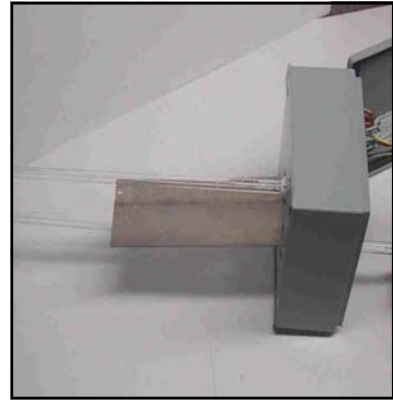


Photo-catalytic Option



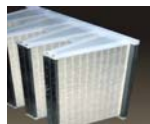
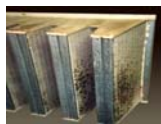
Ultraviolet Germicidal Units for Commercial Air Handling Units (AHU) Heating Ventilation and Air Conditioning Systems

Since the first ultraviolet irradiation system was used successfully in 1909, ultraviolet irradiation has had a 94 year performance history. Second Wind uses the ultraviolet wavelength at 253.7nm, ultraviolet radiation lethal to microorganisms. Second Wind air purifiers can reduce mold, bacterial, or viral airborne microbes in all areas of a Heating Ventilation and Air Conditioning system (HVAC).

Features and Benefits

- Use for Indoor/Outdoor applications
- NEMA 4 housing
- Multiple Lamp Lengths
- UL/CUL Listed
- Safety Interlock
- Available for all commercial applications
- Disinfects mold growth on cooling coils
- Inexpensive to operate
- Surface and Air Indoor Air Quality Control
- Proven effectiveness through independent test data
- High intensity Ultraviolet Lamps
- 3 year system warranty
- 1 year lamp warranty
- Over 9000 hours lamp expectancy
- Electronic start power supply ranges from 120/277 VAC
- Class II medical device #K980745
- Registered with the EPA #73112
- Photo-catalytic oxidation unit available to reduce Volatile Organic Compounds (VOC's).

Supplies **Return Before** **Return After**



The Second Wind NEMA enclosure can handle any HVAC environment. Second Wind NEMA enclosures use ultraviolet germicidal light to disinfect mold, bacteria, and infectious disease in the air stream. Second Wind NEMA enclosure air purifiers are designed for surface and air disinfection.

COMMERCIAL NEMA SPECIFICATIONS

Second Wind NEMA units are mounted as probes into AHU's to accommodate most HVAC systems. The units install anywhere in the system to disinfect molds, bacteria or reduce VOC contamination. The housing is a UL/CUL listed NEMA enclosure. All units are manufacturer assembled and tested.

The power source is an electronic start, Class P, Sound rated A, Type HL, NO PCB's, type 1 outdoor ballast meeting EMI requirements of CFR Title 47 Part 18 consumer. The operating range is from 120 VAC to 277 VAC and the current is 980ma@120vac. The ballast is designed to operate at any airflow and relative humidity.

Second Wind lamps operate at 253.7 nm, ideal for air disinfection, good for use at any velocities, temperatures ranging from 30 - 170 F. Every lamp has an extended lamp life coating which helps maintain intensity levels at 85% even after a year of operation. They are a , T5 (15mm) diameter, lamp yielding 2/3 more output than standard lamps of the same length. Base of the type "L" quartz glass is ceramic, with triple-coiled electrodes made of molybdenum lead in a clamped filament design. Lamp connectors are 4-pin single ended circling sockets. Lamp life shall not be less than 9000 hours.

Submitted device shall be tested under typical HVAC conditions and in accordance with the general provisions of IES Lighting Handbook, 1981 applications Volume. Total output per one inch arc length shall be not less than 10uW/cm2 at 1 meter in air of 45 F and 400 fpm

DEALER IMPRINT:

Dimensions:

<u>2000-230 OD-</u>	<u>3.5"D x 6"W x 8"H w/18" Dual PCO probe</u>
<u>18"</u>	<u>3018 - 4"D x 8"W x 10"H w/18" single probe</u>
<u>24"</u>	<u>3024 - 4"D x 8"W x 10"H w/24" single probe</u>
<u>32"</u>	<u>3032 - 4"D x 8"W x 10"H w/32" single probe</u>

Weight

<u>2000-230 OD-</u>	<u>10 lbs.</u>
<u>18"</u>	<u>3018 -10 lbs.</u>
<u>24"</u>	<u>3024 - 10 lbs.</u>
<u>32"</u>	<u>3032 - 10 lbs.</u>

Power Electronic Ballast

120 VAC - 277 VAC

Lamps

	<u>32"</u>	<u>24"</u>	<u>18"</u>
Base Face in. -	31.0	24.0	17.2
Length mm -	793.0	610.7	436.0
Arc Length in.-	28.0	21.0	14.2
mm -	711	533.8	360
Current mA-	980	980	800
Wattage W-	39	32	40
Voltage @60Hz-	105	94	86
UV Output W-	14	11	10
Lamp life hours-	9000	9000	9000

Wiring

Number 18 awg teflon coated wire 600V, 105C.

URV Rating

Done at 400 fpm, 6" apart installation , with TB Bacilli rate constant with 60% reduction. Based on scale like MERV rating Low- High, 1-15.

<u>32"</u>	<u>24"</u>	<u>18"</u>
<u>11</u>	<u>10</u>	<u>13</u>

Warranty

3-Years Fixture 1-Year Lamps

Second Wind Air Purifiers
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www.secondwindairpurifier.com