

RAPTOR (RGS)



THE GENESIS AIR RAPTOR IS A STANDALONE AIR PURIFIER THAT USES ADVANCED PHOTOCATALYTIC OXIDATION (PCO) TECHNOLOGY TO ELIMINATE VOCs AND VIABLE AIRBORNE MICROORGANISMS IN MEDIUM SIZED SPACES.



SIMPLE

Clearly defined cleaning process, easily understood design process, versatile installation, and easy to maintain.

SAFE

Third-party validation of performance on VOCs and bioaerosols, passive technology with no biproducts that could be more harmful than contaminants removed, 20+ years of success.

SUSTAINABLE

0.05" (12 Pa) of air pressure drop at 500 FPM (2.54 m/s) face velocity, low process energy consumption, sustained performance with 15-year panel life

SOLUTIONS

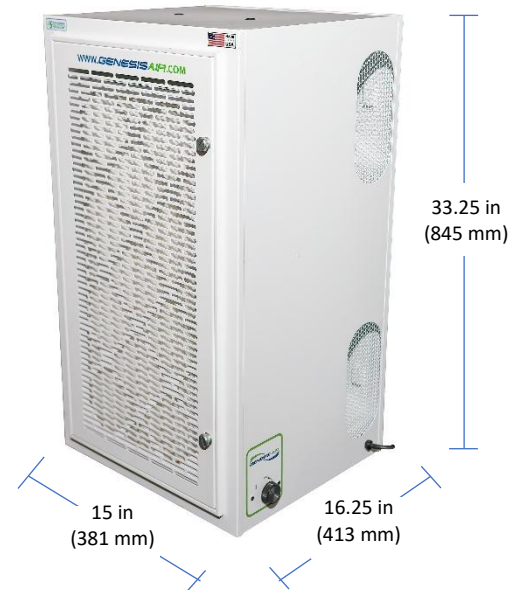
Valued product that meets demands of good indoor air quality and low carbon footprint.

TYPICAL APPLICATIONS

Control of MOLECULAR CONTAMINANTS including odors and VOCs found in buildings such as airports, casinos, schools, restaurants, and indoor agriculture. 4S Centerpoint is also very effective cleaning environmental tobacco smoke and wildfire smoke odors.

Inactivation of MICROORGANISMS including viruses, bacteria, mold, and fungi that challenge hospitals, schools, offices, government buildings, and prisons.

HEALTHY BUILDINGS and ENERGY REDUCTION are both possible when indoor air quality is maintained using ASHRAE Standard 62.1 Indoor Air Quality Procedure (IAQp) that allows for cleaning indoor contaminants and recirculating conditioned air instead of dilution of the contaminants with outdoor air.



FEATURES

Casing	22 gauge
Paint	Powder Coated
Filter	4" 12x24 MERV 13
UV Lamp Life	12,000 hours
Min UV Output	775 μ W/cm ²
Fan Speed	Adjustable
Power cord	NEMA 5-15P, 10ft
Parts Warranty	12 months
Certifications	UL 2998 Certified Zero Ozone
.....FDA 510K, Class II Medical Device	

OPTIONAL ACCESSORIES

- ☐ Gray cabinet finish
- ☐ White cabinet finish
- ☐ Black cabinet finish
- ☐ 6" 12x24 HEPA filter
- ☐ 2" 12x24 Carbon filter and 2" 12x24 MERV 13

NOTE: 1.) UV output is based on end-of-life coverage of entire catalyst at 12,000 hours.
2.) Class II Medical Device has been tested to achieve 99.99% reduction of viable Escherichia Coli, Staphylococcus Epidermidis, and MS2 (bacteriophage).
3.) Claims regarding VOC reduction have not been verified by the FDA. The FDA's guidance does not cover air purifiers intended for the reduction of VOCs.

PERFORMANCE DATA

MODEL	MAX. AIRFLOW cfm (cmh)	COVERAGE AREA sq ft (m ²) (9 ft ceiling and 3 ACH assumed)	CATALYST	UV LAMP QTY	UV LAMP in (cm)	VOLTAGE	AMPS	WEIGHT lb (kg)
RGS	160 – 450 (272 – 765)	556 - 1000 (52 – 93)	1221 PCP	2	20 (50.8)	120/1/60	3.4	58.2 (18.1)