



The **PurAyr R15** is a powerful yet compact unit that is revolutionizing the approach to deodorization and decontamination within any unoccupied structure, vehicle or boat. This hardware allows the user to rapidly oxidize and neutralize air and surface contaminants, eliminate odors, improve indoor air quality and pinpoint source odors.

The PurAyr R-15 is based on a commercially used decontamination method called Advanced Oxidation Process (AOP), also known as photocatalysis. In this case, UV light and Titanium Dioxide nanoparticles are used to generate extremely high levels of Ozone (O₃), Hydrogen Peroxide (H₂O₂) and Hydroxyl Radicals (*HO). As these oxidative gases react and break down the organic compounds into simple elements they fall harmlessly back into Oxygen (O₂)

The PurAyr R-15 uses a five phase process for photocatalysis:

1. HEPA air filtration intake (removes particulates and protects equipment)
2. germicidal irradiation (UV light)
3. reduction oxidation (called Redox)
4. electrochemical production of trivalent oxygen (O₃) and vapor phase hydrogen peroxide (H₂O₂)
5. production of hydroxyl radicals

- 1 Easy change out HEPA intake filter
- 2 Timer allows for specific run times or can be held ON indefinitely
- 3 Tilt bracket allows unit to be aimed at specific areas
- 4 Detachable power supply cord

| PURAYR MODEL R-15 | |
|-------------------|------------------------------|
| Size | 9" Wide x 7" Tall x 26" Long |
| Weight | 24 lbs. |
| Electrical | 120 VCA, 60 Hz, 5 AMP |
| CFM Displacement | 165 |
| HEPA Filtration | Hoover part No. 40112050 |

| TYPICAL APPLICATIONS |
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| <ul style="list-style-type: none"> • structural fire smoke odors • cooking fire smoke smells • cat urine odor removal • dog urine odor neutralization • cigarette smoke odor removal • mold abatement • attic mold abatement • crawl space mold abatement • Allergen removal & asthma control • Sick Building Syndrome (SBS) treatment • IAQ restoration |

