

IMPORTANT INFORMATION

Defender DXM 100 & DXM 50 Installation Instructions

1. **COVERAGE:** DXM 100 units are designed to cover up to 500 sq. ft. based on average ceiling height of about 10 - 12 ft.

**** Units installed in smaller rooms less than 300 sq. ft. may need to be placed on a timer to cycle the unit on & off for periods of time if the sanitization seems too strong for room inhabitants.** Please contact Innovative Solutions with any questions on determining the cycle times.

2. In grow rooms the DXM 100 should be installed on walls or from the ceiling about 2 – 3 ft. above the highest canopy height. Stay clear of lights, etc. that will interfere with the distribution of the sanitization. The units plug into standard 110 outlets.
3. The DXM 100 uses the air flow in the room to help distribute the sanitization. Place the unit near air supply vents, and away from air exhaust vents. The goal is to provide sanitization to the top of the crop canopy and keep the sanitization in the room as long as possible.
4. The DXM units should be installed with the Air Exhaust Port facing down.



Filter Locations - Top Left & Right Sides

Air Exhaust Port - Facing Down

5. Do not place the DXM 100 unit where it will be exposed to water.
6. Do Not place the DXM 100 directly in front of fans. It is best to keep the unit about 3 feet from the nearest fan, which will allow the fan to help gently distribute the sanitization.
7. There is a small amount of light that is visible inside the DXM 100 Air Exhaust port. This light has been tested and proven to not be in the light spectrum that will have any impact on plant growth cycles.
8. Refer to the User Manual for complete installation instructions.

****IMPORTANT INFORMATION****

Defender DXM 100 & DXM 50 Maintenance Instructions

**** Consistent Maintenance Is Critical To Ensure Optimal Performance ****

1. Unplug the DXM unit before removing the unit cover for maintenance and service.

QUARTERLY SERVICE

2. The Air Filters should be replaced every 3-4 months or as needed to keep the inside of the DXM unit clean. This varies based on the environment; in clean grow rooms typically about every quarter. Simply remove the unit cover to easily slide out the filters for replacement.

ANNUAL SERVICE * CRITICAL MAINTENANCE *****

3. The air purification ARC® cell should be replaced every 12 months for optimum performance due to the fact the UV light degrades over time and the ARC cell gets coated with foreign matter. The ARC cell is easily replaced by following the instructions in the user manual.

**** The ARC® cell is a critical component that creates the air sanitization that destroys mold, mildew and bacteria. Failure to replace the ARC cell annually will cause the unit to become ineffective.**

DXM 100/50 maintenance parts can be purchased at
<https://innovative-solutions.org>

**We Want To Help You Ensure That Your ProGuard Installation & Operation Is
Optimized For Maximum Success**

PLEASE CONTACT INNOVATIVE SOLUTIONS WITH ANY QUESTIONS

Gary Mancini
858.382.1933

Mike D'Ambra
858.231.8484

www.Innovative-Solutions.org

 [innovativesolutions4mmj](https://www.instagram.com/innovativesolutions4mmj)