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PURISYSTEMS PURICARE 500IG

PuriCare 500IG Air Filtration System User Manual

Model: PURICARE 500IG | Brand: PURISYSTEMS

1. Introduction

The PURISYSTEMS PuriCare 500IG Air Filtration System is designed to improve air quality in various workspaces such as woodworking shops, garages, and other areas where dust and airborne particles are prevalent. This system features a 3-stage filtration process, a built-in ionizer, and convenient remote control operation, offering efficient air purification and ease of use.



Image: The PuriCare 500IG Air Filtration System, a black rectangular unit with a control panel and a remote control, designed for air purification.

2. Safety Information

IMPORTANT WARNINGS:

- This product does not meet California's air cleaner regulation requirements and cannot be shipped to California.
- Do not use this air filtration system near hot sparking metal.
- Do not use this air filtration system near volatile paint fumes.

3. Product Features

- **3-Stage Filtration:** Equipped with a 5-micron outer filter for larger particles and a 1-micron inner filter for smaller particles. Both filters are easily replaceable and reusable.
- **Built-in Ionizer:** Enhances air purification by producing up to 15 million negative ions/sec and 10 million positive ions/sec.
- **3-Speed Operation:** Adjustable airflow settings at 350 CFM (Low), 450 CFM (Medium), and 500 CFM (High) to suit different air quality needs.
- **RF Remote Control:** Operate the unit from any angle of the room, even if a direct line of vision is obstructed, with a range of up to 26 feet.
- **Timer Settings:** Built-in timer allows automatic shut-off from 1 to 6 hours, providing convenience for unattended operation.
- **Portable Design:** Features easy-grip handles for mobility and rubber feet to prevent marring when placed on a benchtop or other work surface.



Image: Key features of the PuriCare 500IG, highlighting 3 speeds, dual filters, timer, and 1-year warranty.



Image: The PuriCare 500IG unit with a visual representation of its built-in ionizer function.

4. What's in the Box

Upon unpacking, ensure all components are present:

- PuriCare 500IG Air Filtration System Unit x1
- User Manual x1
- RF Remote Control x1

- AAA Batteries x2 (for remote)
- Chains x4
- Expansion Bolts x4
- Hanging Pieces x4
- Screw Hooks x8
- Locknuts x4
- 5-Micron Outer Filter x1 (pre-installed)
- 1-Micron Inner Filter x1 (pre-installed)



Image: All components included in the PuriCare 500IG packaging.

5. Setup & Installation

The PuriCare 500IG can be installed in two primary modes: hanging from the ceiling or placed on a workbench. For ceiling installation, two methods are available: using lifting plates with expansion screws or using screw hooks with chains. Always ensure the installation surface is sturdy enough to support the unit's weight (25.5 lbs).

5.1. Installation Mode 1: Hanging with Lifting Plates (Recommended for Wood

Surfaces)

1. **Prepare the Unit:** Remove the four M4 screws from the top of the machine. Use these screws to install the four lifting plates onto the machine. Ensure they are tightened to prevent rotation.
2. **Mark Installation Points:** Lift the device to the desired installation location on the ceiling. Mark the position of the installation holes using the lifting plates as a guide. The recommended installation size is approximately 12.8 x 18.06 inches between the mounting points.
3. **Drill Holes:** Make a hole at each marked point using a 3/8-inch drill bit.
4. **Insert Expansion Screws:** Insert the expansion screws into the drilled holes.
5. **Mount the Unit:** With one person lifting the machine, the other person should fasten the device to the expansion screws. The installation is complete once securely attached.

▶ **Watch video online**
Purisystems 500IG/500 How to Install the Air Filtration.

Video: Detailed instructions on how to install the PuriCare 500IG/500 Air Filtration System on your ceiling using lifting plates.

5.2. Installation Mode 2: Hanging with Screw Hooks and Chains (Recommended for Beams/Joists)

1. **Measure Spacing:** Measure the space of the lifting holes on the top of the equipment. Recommended installation size is approximately 19.92 x 17.91 inches between the mounting points.
2. **Mark Mounting Holes:** Please mark the mounting holes on your ceiling during installation based on the measured spacing.
3. **Drill Holes and Install Hooks:** Use a 1/8-inch drill bit to drill a hole in each mark. Install the screw hooks into these holes.
4. **Attach Chains:** Hang the chains from the installed screw hooks.
5. **Prepare Unit for Hanging:** Remove the four nuts on the lifting holes on the top of the equipment. Install the remaining four screw hooks onto these lifting holes.
6. **Hang the Unit:** One person lifts the machine while the other hooks the screw hooks on the machine to the chains. Adjust chain length as needed to ensure the machine is balanced.

Note: Due to the impact of the machine itself and the installation environment, the machine suspension may appear imbalanced during installation. You can use another chain to adjust so that the machine can keep balance.

6. Operating Instructions

The PuriCare 500IG Air Filtration System can be controlled via its integrated control panel or the provided RF remote control.

6.1. Remote Control Functions

- **ON/OFF:** Powers the unit on or off.
- **SPEED:** Cycles through Low (350 CFM), Medium (450 CFM), and High (500 CFM) fan speeds.
- **TIME:** Sets the automatic shut-off timer from 1 to 6 hours.
- **IONIZER:** Activates or deactivates the built-in ionizer function.

▶ **Watch video online**
Purisystems Air Filtration System 3-Speed Remote, PuriCare 500/500IG for Woodworking

Video: An overview of the PuriCare 500/500IG Air Filtration System, demonstrating its 3-speed remote control and ionizer features.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your PuriCare 500IG system.

7.1. Filter Replacement

The 5-micron outer filter and 1-micron inner filter are reusable and can be easily replaced. Refer to the user manual for detailed instructions on how to remove, clean, and re-install the filters.



Image: The two types of filters used in the PuriCare 500IG system: an inner and an outer filter.

8. Troubleshooting

If you encounter any issues with your PuriCare 500IG system, please review the following general troubleshooting steps:

- **Unit Not Powering On:** Ensure the power cord is securely plugged into a 115V AC outlet. Check if the power switch on the unit is in the "ON" position. Verify that the outlet is functional.
- **Reduced Airflow:** Check if the filters are clogged with dust. Clean or replace filters as necessary. Ensure there are no obstructions to the air intake or exhaust vents.
- **Remote Control Not Working:** Check and replace the AAA batteries in the remote control. Ensure there are no major obstructions between the remote and the unit.
- **Unusual Noise:** Power off the unit and inspect for any loose components or debris inside the fan housing. If the noise persists, contact customer support.

9. Specifications

Attribute	Detail
Model	PURICARE 500IG
Airflow (CFM)	350 / 450 / 500
Floor Area Coverage	Up to 500 sq. ft.
Product Dimensions (D x W x H)	20.1" x 17" x 11"

Item Weight	25.5 pounds
Voltage	115 Volts (AC)
Noise Level	61 dB
Outer Filter Particle Retention	5 Micron
Inner Filter Particle Retention	1 Micron
Ionizer Output	Up to 15M Negative Ions/Sec, 10M Positive Ions/Sec

10. Warranty & Support

The PURISYSTEMS PuriCare 500IG Air Filtration System comes with a**1-Year Warranty** from the date of purchase, covering manufacturing defects and malfunctions under normal use.
For technical support, troubleshooting assistance, or warranty claims, please contact PURISYSTEMS customer service:

- **Email:** sales@purisystems.com

Please have your model number and purchase date ready when contacting support.

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