

[manuals.plus](#) /

› [XPOWER](#) /

› [XPOWER AP-2000 Professional Portable HEPA Air Filtration System User Manual](#)

XPOWER XPOWER AP 2000

XPOWER AP-2000 Professional Portable HEPA Air Filtration System

User Manual

INTRODUCTION

The XPOWER AP-2000 is a professional-grade portable HEPA air filtration system designed for high-volume air exchanges in large commercial and industrial environments. This system efficiently remediates spaces contaminated by airborne pollutants, making it ideal for hospitals, schools, arenas, gyms, conference halls, and other large occupied areas. Its robust design and powerful performance ensure effective air scrubbing and dust control.



Figure 1: The XPOWER AP-2000 HEPA Air Filtration System, showcasing its compact and robust design with integrated casters for mobility.

Key features include a low 8.5 Amp draw for optimized job site power usage, a 2-speed switch for flexible operation at 1000 or 2000 CFM, and integrated carrying handles for easy transport. The unit is equipped with a framed HEPA filter and a dust control pre-filter for comprehensive air purification. It is ETL/CETL safety certified and meets OSHA safety requirements.

SETUP AND ASSEMBLY

Before operating your XPOWER AP-2000, ensure all components are present and assemble the caster system for mobility.

Unpacking and Inspection

- Carefully remove the unit from its packaging.
- Inspect the unit for any signs of shipping damage. If damage is found, contact your supplier immediately.
- Verify that all listed components are included.

Caster System Assembly

The AP-2000 includes a 4-caster system (2 stationary, 2 swiveling) for enhanced maneuverability. Assembly is required.

1. Identify the two stationary casters and the two swiveling casters.
2. Attach the casters to the designated mounting points on the bottom of the unit using the provided hardware. Ensure

they are securely fastened.

3. Once assembled, the unit can be easily moved through standard doorways.



Figure 2: The XPOWER AP-2000 with its caster system fully assembled, ready for transport.

Placement and Power Connection

- Position the unit in the desired location, ensuring adequate clearance around the air intake and exhaust.
- Connect the power cord to the Power Supply Receptacle on the control panel.
- Plug the unit into a standard 115-volt electrical outlet. The unit draws 8.5 Amps.

OPERATING INSTRUCTIONS

The XPOWER AP-2000 is designed for straightforward operation. Familiarize yourself with the control panel before use.



Figure 3: Close-up view of the AP-2000 control panel, detailing the Power Supply Receptacle, Circuit Breaker, Power Switch, and Pressure Gauge.

Control Panel Overview

- **Power Supply Receptacle:** For connecting the main power cord.
- **Circuit Breaker 10A:** Protects the unit from electrical overload. If the unit stops working, check this breaker.
- **Power Switch:** Controls the unit's power and fan speed settings.
- **Pressure Gauge:** Indicates the air pressure within the system, which can be used to monitor filter status. A rising pressure reading typically indicates a clogged filter.

Starting the Unit

1. Ensure the unit is properly connected to a power source.
2. Locate the Power Switch on the control panel.
3. Toggle the Power Switch to the desired fan speed setting:
 - Position 'I' for 1000 CFM (Cubic Feet per Minute) operation.
 - Position 'II' for 2000 CFM operation.
4. The unit will begin operating at the selected speed.

Shutting Down the Unit

- To turn off the unit, toggle the Power Switch to the 'O' (Off) position.
- For extended storage or maintenance, unplug the unit from the power outlet.

MAINTENANCE

Regular maintenance of your XPOWER AP-2000 is crucial for optimal performance and longevity. This primarily involves monitoring and replacing the filters.

Filter System

The AP-2000 utilizes a multi-stage filtration system, including a dust control pre-filter and a framed HEPA filter.



Figure 4: The internal filter compartment of the AP-2000, showing the framed HEPA filter in place.

Monitoring Filter Status

- The Pressure Gauge on the control panel provides an indication of filter loading. As filters become clogged, the pressure reading will increase.

- Visually inspect the pre-filter regularly for excessive dust and debris accumulation.

Filter Replacement

Filters should be replaced when the pressure gauge indicates a significant increase, or when airflow noticeably decreases. The pre-filter will typically require more frequent replacement than the HEPA filter.

1. Ensure the unit is turned off and unplugged from the power source.
2. Locate the filter access panel, typically at the intake side of the unit.
3. Carefully remove the old pre-filter and HEPA filter. Dispose of contaminated filters according to local regulations.
4. Insert new, genuine XPOWER replacement filters, ensuring they are seated correctly.
5. Secure the filter access panel.



Figure 5: The AP-2000 with its filter compartment open, showing the pre-filters and HEPA filter ready for replacement.

General Cleaning

- Wipe down the exterior of the unit with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure air intake and exhaust grilles are free from obstructions.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your XPOWER AP-2000.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; tripped circuit breaker; faulty power switch.	Ensure unit is plugged into a live outlet. Check the 10A Circuit Breaker on the control panel and reset if tripped. Verify the Power Switch is in position 'I' or 'II'.
Low airflow or reduced performance.	Clogged filters; obstructed intake/exhaust; incorrect speed setting.	Check the Pressure Gauge for high readings, indicating clogged filters. Replace filters as needed. Ensure intake and exhaust grilles are clear of obstructions. Confirm the Power Switch is set to the desired speed (e.g., 'II' for 2000 CFM).
Unusual noise during operation.	Loose components; foreign object in fan; motor issue.	Turn off and unplug the unit. Inspect for any loose parts or foreign objects. If noise persists, contact customer support.

If you encounter a problem not listed here or if the suggested solutions do not resolve the issue, please contact XPOWER customer support.

SPECIFICATIONS

Detailed technical specifications for the XPOWER AP-2000 Professional Portable HEPA Air Filtration System.

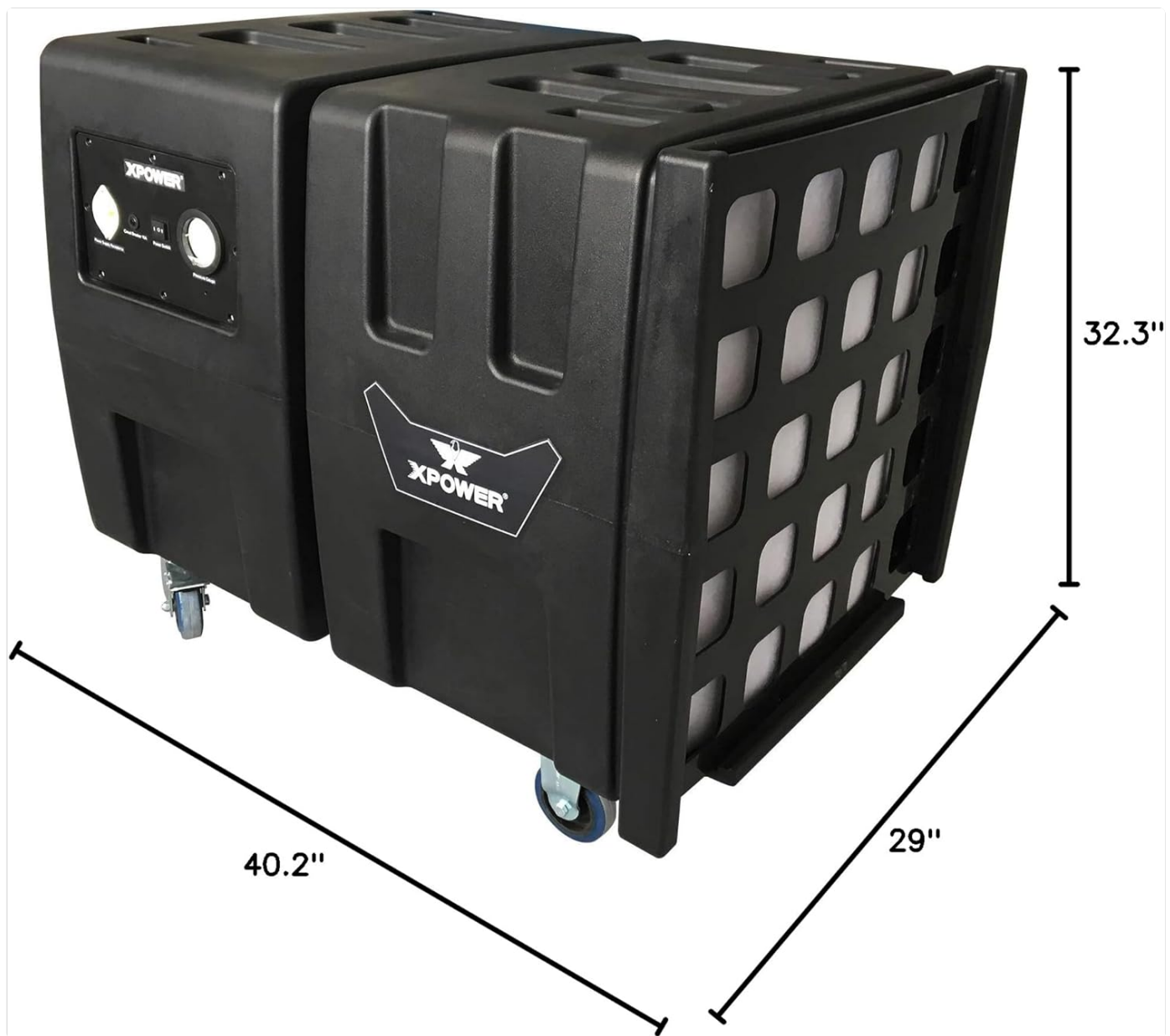


Figure 6: Dimensional drawing of the XPOWER AP-2000, indicating its length (40.2"), width (29"), and height (32.3").

Attribute	Detail
Model Number	XPOWER AP 2000
Brand	XPOWER
Product Dimensions (L x W x H)	40.2 x 29 x 32.3 inches
Weight	112.4 Pounds
Color	Black
Airflow Capacity	1000 CFM or 2000 CFM (2-speed)
Power Draw	8.5 Amps
Voltage	115 volts
Filter Type	Framed HEPA filter with dust control pre-filter

Attribute	Detail
Certifications	ETL/CETL safety certified, meets OSHA safety requirements
Manufacturer	XPOWER Manufacture, Inc.

WARRANTY AND SUPPORT

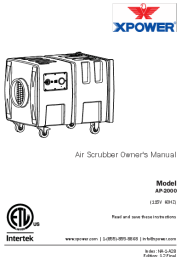


For information regarding product warranty, technical support, or replacement parts, please contact XPOWER Manufacture, Inc. directly.




- **Manufacturer:** XPOWER Manufacture, Inc.
- **Website:** [Visit the XPOWER Store on Amazon](#) (for general product information and contact details)
- Please have your model number (AP-2000) and purchase date available when contacting support.

Additional protection plans may be available for purchase. Refer to your purchase documentation for details on extended warranty options.

© 2024 XPOWER Manufacture, Inc. All rights reserved.
This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - XPOWER AP 2000

	<p>XPOWER AP-2000 Air Scrubber Owner's Manual and Guide</p> <p>Comprehensive owner's manual for the XPOWER AP-2000 Air Scrubber, including safety instructions, installation, operation, maintenance, troubleshooting, technical specifications, and warranty information.</p>
	<p>XPOWER Air Scrubber Manual: Operation & Maintenance Guide for X-2700, X-2800, X-2830, X-2830U</p> <p>Official owner's manual for XPOWER Air Scrubbers (Models X-2700, X-2800, X-2830, X-2830U). Learn about installation, operation, maintenance, filter replacement, troubleshooting, and technical specifications to optimize air quality in your environment.</p>
	<p>XPOWER Air Scrubber Owner's Manual: Models X-2000, X-3000, X-4000 Series</p> <p>Comprehensive owner's manual for XPOWER Air Scrubbers, covering safety instructions, parts description, filter maintenance, installation, operation, troubleshooting, and warranty information for models X-2000, X-3000, and X-4000 series.</p>

 <p>Model: X-2000 Series / X-3000 Series / X-4000 Series</p> <p>Read and use these instructions for safety and</p> <p>Intertek</p> <p>www.xpower.com 1-800-855-0000 info@xpower.com</p> <p>AutoCAD LT Edition 11.0.0.0</p>	<p>XPOWER Air Scrubber Owner's Manual: Operation, Maintenance, and Safety</p> <p>This owner's manual provides comprehensive information on XPOWER Air Scrubbers, including safety precautions, parts identification, installation, operation, maintenance procedures, troubleshooting tips, technical specifications, and warranty details for models X-2000, X-3000, and X-4000 series.</p>
 <p>Model: X-2000 Series / X-3000 Series / X-4000 Series</p> <p>Read and use these instructions for safety and</p> <p>Intertek</p> <p>www.xpower.com 1-800-855-0000 info@xpower.com</p> <p>AutoCAD LT Edition 11.0.0.0</p>	<p>XPOWER Air Scrubber Owner's Manual: Installation, Operation, and Maintenance</p> <p>Comprehensive owner's manual for XPOWER Air Scrubbers (X-2000, X-3000, X-4000 Series). Covers safety, installation, operation, maintenance, troubleshooting, and technical specifications for models like X-2380, X-3580, X-4700AM.</p>
 <p>PLEASE READ AND SAVE THESE INSTRUCTIONS</p> <p>XPOWER AIR SCRUBBER OWNER'S MANUAL</p> <p>Model: X-3400A, X-3500, X-3700</p> <p>Intertek</p> <p>www.xpower.com 1-800-855-0000 info@xpower.com</p> <p>AutoCAD LT Edition 11.0.0.0</p>	<p>XPOWER Air Scrubber Owner's Manual: X-3400A, X-3500, X-3700</p> <p>Comprehensive owner's manual for XPOWER Air Scrubbers (models X-3400A, X-3500, X-3700), covering features, specifications, operation, maintenance, troubleshooting, and warranty information.</p>