

Who we are

- Membrane Solutions® is a purification brand based in the United States, specializing in creating a better, healthier you through engineered filtration and advanced purification technologies.
- Back to nature with clean water and fresh air. Membrane Solutions® promotes the philosophy of a 'minimalist lifestyle' that is committed to creating a clean, comfortable and healthy environment.
- Membrane Solutions® designs products to be both smart, easy to operate, and practical in appearance and functionality.
- Membrane Solutions® products protect you, your family, our planet.

Contact Us

If you require technical assistance, please contact our support engineers, who will be pleased to assist you.

3320 W Valley HWY North Ste D108
Auburn WA 98001

Phone: +1-866-528-4572
Email: service@membrane-solutions.com

MSA3 Air Purifier



PART NUMBER: HERAP008_M



Membrane Solutions Corp
3320 W Valley HWY North Ste D108
Auburn WA 98001



Please retain owner's manual for future reference

Notes:

Membrane Solutions® MSA3 Air Purifier
Operator and Maintenance Handbook

Owners Handbook Manual Ref: MSRP-108M-00

Revision	Date	Description
00	06/2020	New document.

Notes:

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Overview

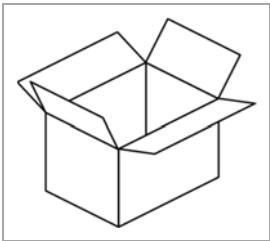
Notes:

Getting Started



- Introduction
- System features
- Membrane Solutions® contact details
- Health & Safety
- Warnings & Cautions
- Operating Guidelines

Installation Guide



- System Contents
- Start-up
- Turning on the Purifier

Operation Guide



- Operation Guide
- Mode Selection
- Filter Replacement
- Troubleshooting Guide
- Warranty

Warranty

Membrane Solutions® warrants to the customer that its residential air purifiers will be free from defects in material and workmanship under normal use and service for a period of 1 year. We will replace or repair any part of the Membrane Solutions® air purifier that we find to be defective in operation due to faulty materials or workmanship within one year since the date of the original purchase. Used replaceable filter cartridges are excluded.

General Conditions

Membrane Solutions® obligation to the customer under these warranties shall be limited, at its option, to replacement or repair of items covered by these warranties. Prior to return or repair of covered items, the customer must obtain a return goods authorization number from Membrane Solutions® and, at Membrane Solutions® option, return the item with freight prepaid by the customer.

Damage to any part of this system because of misuse, misapplication, negligence, alteration, accident, installation, or operation contrary to our instructions, this warranty does not cover incompatibility with accessories not installed by Membrane Solutions®, or damage caused by freezing, flood, fire, or Acts of God. In all such cases, regular charges will apply. This limited warranty does not include service to diagnose a claimed malfunction in this unit. This warranty is void if the claimer is not the original purchaser of the unit or if the unit is not operated under normal operating conditions. We assume no warranty liability in connection with this system other than that specified herein.

This warranty is in lieu of all other warranties, expressed or implied, including warranties of fitness for a particular purpose.

Membrane Solutions® liability hereunder shall not exceed the cost of the product. Under no circumstances will Membrane Solutions® be liable for any incidental or consequential damages or for any other loss, damage or expense of any kind, including loss of use, arising in connection with the installation or use or inability to use the covered items. These warranties are governed by the laws of the state of Washington, USA, and may change at any time without notice.

Getting Started

Introduction

Thank you for purchasing the Membrane Solutions® MSA3 Air Purifier, delivering clean and healthy air for you and your home or office. Please contact us for the latest product information, including operator manuals, videos, support materials, and where to purchase items.



The MSA3 is a durable piece of equipment, with proper care it will last for many years. This owner's handbook outlines the installation, operation, and maintenance requirements to sustain perfect product performance.



The MSA3 features quadruple filtration; Primary filter, H11 High-Efficiency Particulate Air Filter (HEPA) and Activated Carbon, capturing >99.97% of particles with a diameter greater than or equal to 0.3 microns.

Customer Service: service@membrane-solutions.com

Toll-Free Phone: +1-866-528-4572

The MSA3 can filter out impurities and particles in the air; such as viruses, mold, dust, allergens, pollen, bacteria, dust mites, cigarette smoke, pet dander, off-odors and unhealthy vapors.



Health & safety

Membrane Solutions® products are designed with safety in mind. However, personnel using this device must be familiar with any potential dangers. All safety information detailed in this handbook should be reviewed before installing and operating this air purifier.



This product is not a toy; children must be supervised when using the device. Keep packing materials out of children's reach.



The system has been designed for indoor use only. Install the air purifier out of direct sunlight on a flat, level dry, and secure surface with average ambient room temperature.



Do not touch the power plug with wet hands. Do not use if plug and/or power cord is damaged or the product is not working.



Do not use the device in a place with heavy moisture or smoke. Please keep the device away from flammable gas appliances such as heaters or fireplaces.



Clean the device and remove any dust from the power plug regularly. Unplug the unit when cleaning, do not use strong corrosive detergents or chemicals as they may damage the surface of the device.



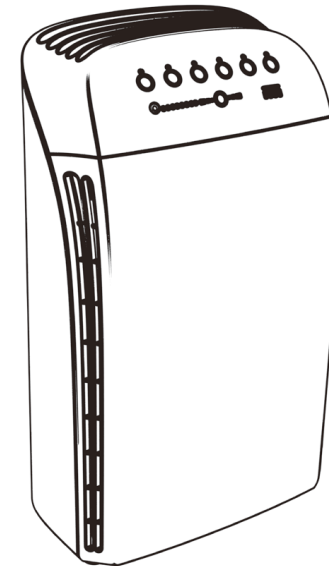
Do not obstruct the air inlets or outlets on the device. Do not wash or reuse the composite filter – Replace it with a new filter.



Warnings! and Cautions! are provided; Failing to observe these instructions could result in damage to the equipment, associated parts, surroundings, or personal injury.

Troubleshooting Guide

	Problem	Possible Solution
6	The filter indicator light is on	The air filter is 100% exhausted and requires replacement (see page 9)
7	Only the sleep indicator light is on, yet the purifier is still operating.	The air purifier is in sleep mode, push the fan speed button to change the operating mode, indicator lights will turn on again.
8	If your problem is not listed	Please contact Membrane Solutions® Customer Service



Troubleshooting Guide		
	Problem	Possible Solution
1	The air purifier will not turn on or respond to the power button	Confirm that unit is plugged into a powered outlet.
2	Airflow is significantly reduced	Make sure the filter has the packaging removed (see page 9).
		Press the fan button to increase fan speed.
		The filter may be blocked, replace the air filter.
3	Air Purifier makes unusual noise while the fan is on	Make sure the air purifier is being operated on a firm level surface.
		The filter may be blocked, replace the air filter.
		The air purifier may be damaged contacted customer support.
4	Unpleasant or musty smell coming from the purifier	Do not use in a damp or wet environment. If air filter becomes damp, replace filters and move air purifier unit to a dry area.
		The carbon component of the filter may be exhausted, replace air filter.
5	Poor air purification quality	Press the fan button to increase fan speed.
		Close doors and windows while using the air purifier.
		Make sure the filter has the packaging removed (see page 9).
		Replace filter

Operating Guidelines

The following table lists the operating parameters for this product. Operating this product outside these specifications may cause system performance issues and may even lead to personal injury and void any warranty. Please contact Membrane Solutions® for further advice and support.

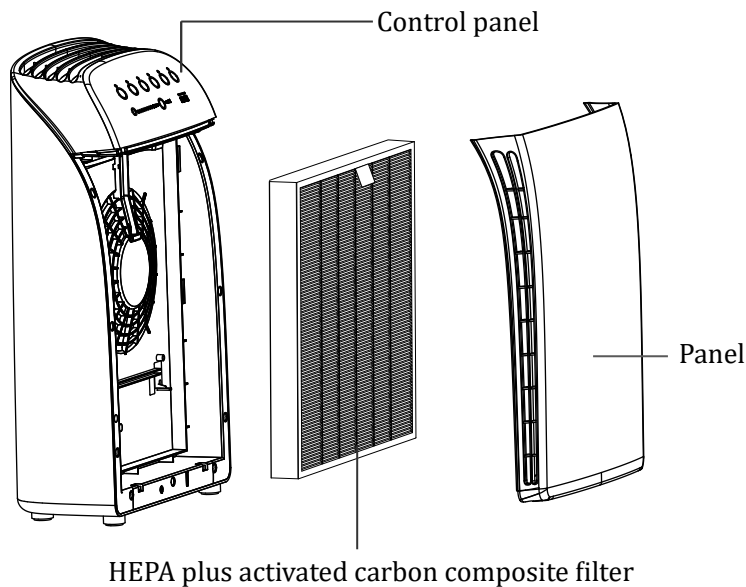
Operating Parameters	
Model	Membrane Solutions® MSA3
Rated Voltage	120 V ~ 60 Hz
Rated Power	56 Watts
Clean air delivery rate (CADR)	118 CFM (200 m³/h)
Noise level	60 dB (A)
Dimensions	7.7 x 13.1 x 21.5 Inches (195 x 334 x 545 mm)
Operational weight	13.7 lb (6.2 kg)
Filter Element type	A single composite filter element
Temperature & Humidity	Operating: 32-104°F (0-40°C) 20-90% Storage: 14-140°F (-10-60°C) 20-90%

The above performance index data is obtained in a third-party laboratory according to the international ANSI/AHAM AC-1-2006, with specific smoke particles or gaseous pollutants as the target pollutants.

Installation guide

System Contents

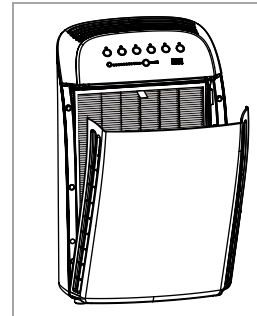
Your Membrane Solutions® MSA3 Air Purifier was carefully assembled, packaged, and shipped complete with all the parts you should require.



Unsure about something? Is there a problem?
Please contact Membrane Solutions® through our website
or toll-free number.

Customer Service: service@membrane-solutions.com
Toll-Free Phone: 1-866-528-4572

Step 4



Place the new filter into the air purifier making sure it is facing the correct direction. Airflow travels from outside to the center of the unit. Reinstall the rear cover. After replacing the filter, plug the power cord back into an electrical outlet, then hold down the filter button for 3 seconds to reset the filter timer, the indicator light will flash 3 times then go out, showing the reset was successful. (See Page 8).

Actual lifespan of the filter may vary depending on the amount of dust, smoke, humidity, and the concentration of other airborne particles and vapors in the air.

Replacement Filter Part Number	
Part No.	Description
HERAPF008_M	Single composite filter element

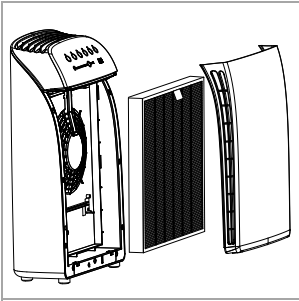
Please contact our customer service for purchase options:

Customer Service: service@membrane-solutions.com

Toll-Free Phone: 1-866-528-4572

Filter Replacement

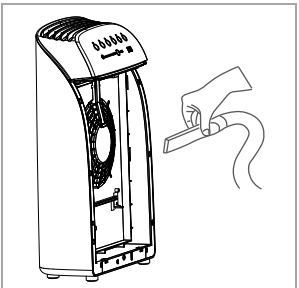
Step 1



Press the power button to turn the air purifier off, unplug the power cord from the electrical outlet.

Remove the rear cover of the air purifier and remove the exhausted composite filter element.

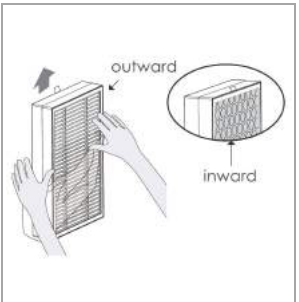
Step 2



Clean out any remaining dust, dirt, or lint inside the purifier using a vacuum hose or dry cloth.

DO NOT use water or liquids to clean the purifier.

Step 3

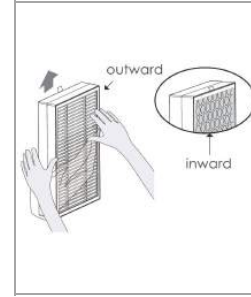


Remove any packing from the new filter element and take notice of the inward and outward sides of the filter element.

Refer to the new filter instructions for the direction of airflow.

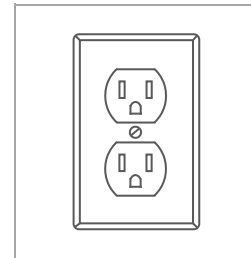
Commissioning the system

Step 1



Before using the air purifier for the first time, open the rear cover and remove the composite filter. Make sure to remove any packaging from the filter element, or the product will not function correctly.

Step 2



Plug the air purifier power plug into an electrical outlet

The purifier should now be in standby mode

Step 3

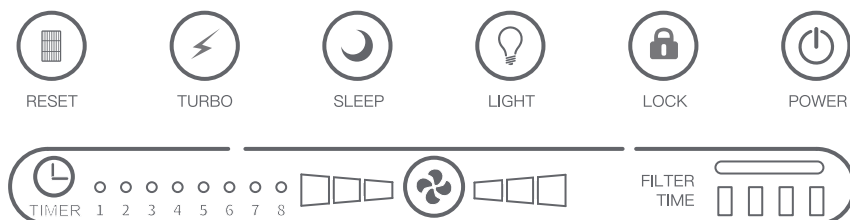


Push the power button once to turn the air purifier on

The purifier should now be in operating mode

Operating Guide

Control Panel



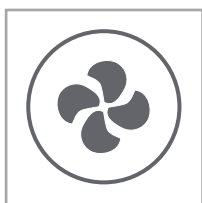
Power Button



Press the Power button to put air purifier into operating mode.

Press the power button a second time to stop the air purifier and place it into standby mode.

Fan Speed



Press Fan button repeatedly to cycle through the different speed settings.

Sleep – Low speed

2 – Medium speed

3 – High Speed

The corresponding fan speed indicator light will display the current fan speed.

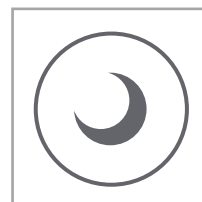
Lock



To lock the system, press and hold the lock button for 3 seconds until the lock display is illuminated.

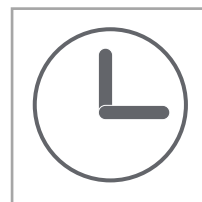
To unlock the system, press and hold the lock button until the indicator light turns off.

Sleep mode



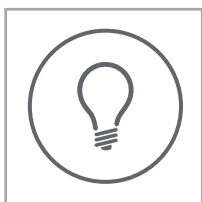
Press the sleep button to put the unit into Sleep Mode. In this mode the fan is at its lowest/quietest setting. Also, only the Sleep and Power buttons are illuminated to help keep the room dark.

Timer



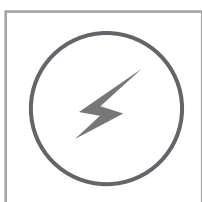
Press the timer button to set timed auto off feature. Unit can be set run between 1 and 8 hours. Continue to press the timer button to cycle through the preselected times. The corresponding duration will be represented by the number of indicator lights illuminated.

Light



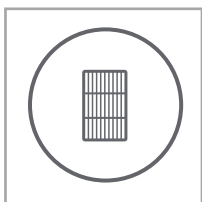
To turn off all the unit's lights, press the light button. Only the light button will remain illuminated for easy identification at night.

Turbo mode



Press the Turbo button to set the unit at its highest fan setting. The Turbo indicators light will be illuminated.

Filter Reset



When the total run hours of the air purifier reach 2000 hours, the indicator will flash to indicate the filter needs to be replaced. (See page. 9). After the replacement is completed, press and hold the filter button for 3 seconds until the indicator light is off, the filter timer function is now reset.