

Who we are

- Membrane Solutions® is a purification brand from the United States, focusing on engineering filtration and advanced purification technology.
- Membrane Solutions® promotes the philosophy of a minimalist lifestyle, returning to nature with clean water and fresh air.
- Membrane Solutions® design product's to be both smart, easy to operate, and practical in appearance and functionality.

MSA3S Air Purifier



Please retain owner's manual for future reference



Notes:

Operators and Maintenance Handbook

Membrane Solutions® MSA3S Air Purifier

Owners Handbook Manual Ref: MSA3S-118P-00

Revision	Date	Description
00	11/2020	New document.

Images used in this manual may not represent your actual product; they are a visual aid only.

Table of Contents

Overview	1
Getting Started.....	2
Introduction.....	2
Warning & Cautions.....	3
Operating Guidelines.....	4
Installation Guide	5
System Contents.....	5
Commissioning the system.....	6
Operating Guide	7
Power Button	7
Fan Speed	7
Lock	7
Sleeping Mode	8
Timer.....	8
WIFI.....	8
Auto Mode	8
Filter Reset.....	8
Filter Replacement.....	9
Replacement Filter	10
Troubleshooting Guide	11
Warranty.....	13

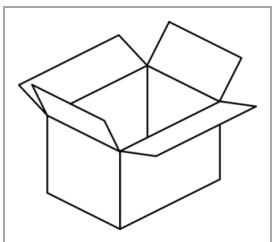
Overview

Getting Started



- Introduction
- System features
- Membrane Solutions® contact details
- 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

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

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® MSA3S Air Purifier. Please contact us for the latest product information, including operator manuals, videos, support materials, and where to purchase items.



The MSA3S is a durable piece of equipment; it will last for many years with proper care. This owner's handbook outlines the installation, operation, and maintenance requirements to sustain perfect product performance.

The MSA3S features triple filtration: Primary filter, High-Efficiency Particulate Air Filter (HEPA), and Activated Carbon. This triple-action filtration will be capturing particles with a diameter greater than or equal to 0.3 microns while removing odors and freshen the surrounding air.

Website: www.mspurelife.com

Customer Service: service@mspurelife.com

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

The MSA3S can filter out impurities and particles in the air, such as, dust, pollen, cigarette smoke, pet dander, off-odors, and unhealthy vapors.

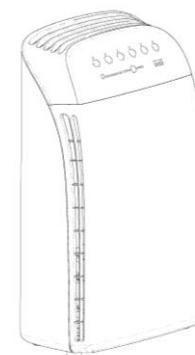
Warning & Caution

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 appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.*
- 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 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 of 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 device's surface.*
- Do not obstruct the air inlets or outlets on the device. Do Not wash or reuse the composite filters – Replace with new filters.*

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

Troubleshooting Guide		
	Problem	Possible Solution
5	Unpleasant or musty smell coming from the purifier	Do not use in a damp or wet environment. If the filter becomes damp, replace the filter and move the air purifier to a dry area.
		The carbon part of the filter may be exhausted; replace the filter.
6	The filter indicator light is flash.	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, the indicates lights will turn on again.
8	If your problem is not listed	Please contact Membrane Solutions® Customer Service.
9	Air Quality Indicator always stays green, even when the air quality is poor.	The air quality sensor detects airborne particles, but it cannot detect gas or odor.



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.
		Make sure the panel is installed and locked on the air purifier. (see page 10)
2	Airflow is significantly reduced	Make sure the filter is removed from its packaging. (see page 9)
		Press the Fan Speed 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. Contact Membrane Solutions® customer support.
4	Poor air purification quality	Press the Fan Speed button to increase fan speed.
		Close doors and windows while using the air purifier.
		Make sure the air filter is removed from its packaging. (see page 9)
		Replace the filter.

Operating Guidelines

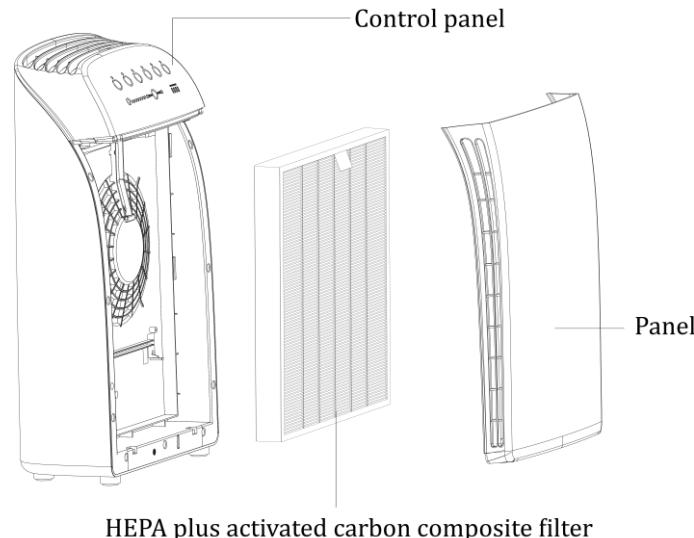
The following table lists the operating parameters for this product. Operating this product outside these specifications may cause system performance issues and may even lead to personal injury and void any warranty. Please contact Membrane Solutions® for further advice and support.

Operating Parameters	
Model	Membrane Solutions® MSA3S
Rated Voltage	120 V~60 Hz
Rated Power	44 Watts
Dimensions	7.7 inches x 13.1 inches x 21.5 inches (195 mm x 334 mm x 545 mm)
Operating 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%

Installation guide

System Contents

Your Membrane Solutions® MSA3S 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® via our service email
or toll-free number.

Website: www.mspurelife.com
Customer Service: service@mspurelife.com
Toll-Free Phone: 1-866-528-4572

Step 3



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

Refer to the new filter instructions for airflow direction, making sure the two handles at the top and bottom face outwards.

Step 4



Reinstall the panel and lock it into place by pressing both sides of the panel's top edge. After replacing the filter, plug the power cord back into an electrical outlet. Hold down the reset button for 3 seconds to reset the filter timer. The indicator light will flash three times and then go out, showing the reset was successful. (See Page 8)

The 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.

Please contact our customer service for purchase options:

Website: www.mspurelife.com
Customer Service: service@mspurelife.com
Toll-Free Phone: 1-866-528-4572

Air quality

Color of the light	Air quality	Fan speed at auto mode
AIR QUALITY  FILTER TIME 	Green	great
AIR QUALITY  FILTER TIME 	Yellow	General
AIR QUALITY  FILTER TIME 	Red	poor
		High Speed

Note: The air purifier will take 30 seconds to detect the air quality each time it is turned on. During this time the air quality light will be flashing yellow. The air quality sensor detects airborne particles, but it cannot detect gas.

Filter time

AIR QUALITY  FILTER TIME 	Filter life 100% remaining.
AIR QUALITY  FILTER TIME 	Filter life 75% remaining.
AIR QUALITY  FILTER TIME 	Filter life 50% remaining.
AIR QUALITY  FILTER TIME 	Filter life 25% remaining. Order a new filter; when light flash, replace the filter.

Filter Replacement

Step 1



Press the power button to turn the air purifier off and unplug the electrical outlet's power cord.

Remove the panel of the air purifier.

Step 2



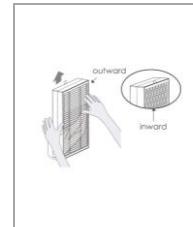
Pull out the composite filter element using the handle at the bottom of the filter.

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

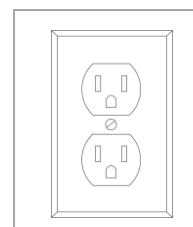
DO NOT use water or liquids to clean the purifier.

Commissioning the system

Step 1

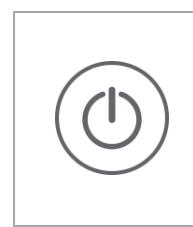


Step 2



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

Step 3



Make sure the panel is installed and locked on the air purifier (see page 10).

Plug the air purifier power plug into an electrical outlet; the unit will make a single beep.

The purifier should now be in standby mode.

Push the power button once to turn the air purifier on.

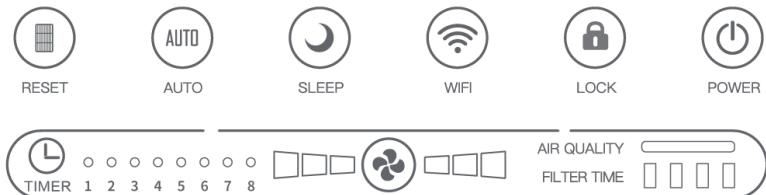
The purifier should now be in operating mode.

Warning:

For your safety, the air purifier is equipped with a safety switch. If you open the panel when the purifier is running, the fan will stop running and sound two beeps. The panel must be in place for the purifier to operate.

Operating Guide

Control Panel



Power Button



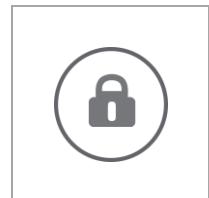
Pressing the Power button will put the air purifier into operating mode. Press the power button a second time to stop the air purifier and place it into standby mode.

Fan Speed



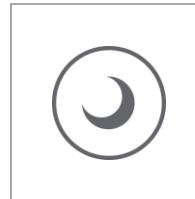
Press the fan speed button repeatedly to cycle through the different speed settings.
1 - Low speed
2 - Medium speed
3 - High Speed
The corresponding fan speed indicator light will display the current fan speed.

Lock



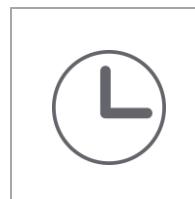
To lock the system, press and hold the lock button for 3 seconds until the lock display is illuminated.
To unlock the system, press and hold the lock button until the lock indicator light turns off.

Sleeping Mode



Press the sleep button to put the unit into Sleep Mode. In this mode, the fan is at its lowest/quietest setting; all the indicators will be off after 3 seconds to avoid disturbing your sleep.

Timer



Press the timer button to set the timed auto-off feature. The 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.

WIFI



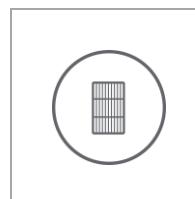
Indicate configuration status of the WIFI. In light-off mode, when pressing the other button, the indicator lights corresponding to the functions will be on, and go off after 3 seconds. See the MSPure APP instructions for more information.

Auto Mode



Press the Auto button to set the unit at Auto Mode. The Auto indicators light will be illuminated. The fan speed will change based on air quality. (See page. 9)

Filter Reset



When the total run hours of the air purifier reach 1700 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 unit beeps and the indicator light flash 3 times, the filter timer function is now reset.