

# Air Purification System



where nothing is everything

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PURITII 




portable  
and powerful  
indoor  
air filtration  
removes up  
to 99.99% of  
pollutants  
eleven  
stage  
filtration  
energy  
efficient  
operation

The Puritii™ Air Purification System provides portable and powerful indoor air filtration of 303 cubic feet of air per minute, cleaning the air in your home or office with up to 50% less energy.\* The process removes up to 99.99% of pollutants, reducing the threat of bacteria, viruses, volatile organic compounds and lung-damaging particulates which trigger asthma, allergies and other respiratory and cardiopulmonary diseases.

Puritii™ is designed specifically to address indoor air pollution, something both the World Health Organization and the EPA call one of the worst threats to human health. Its 11-stage filtration process consists of a pre-filtering stage, a main filtration assembly including HEPA, and optional post-filtering ionization.

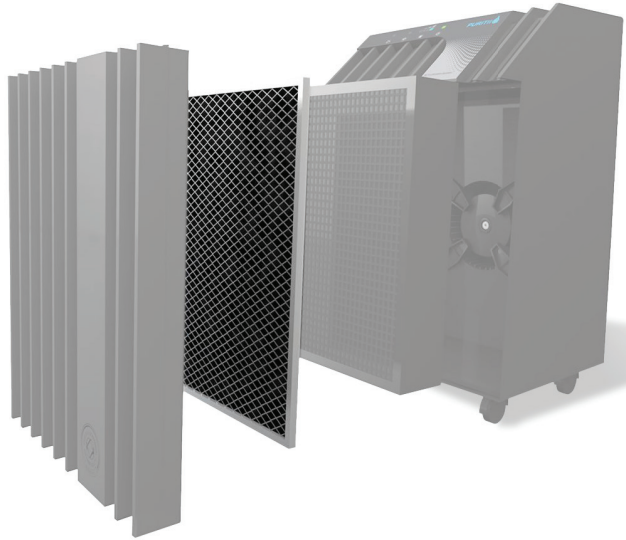
REMOVES UP TO  
**99.99%**  
OF AIR POLLUTANTS



  
**11-STAGE**  
FILTRATION  
SYSTEM

- A** *Stages 1-3*
- B** *Stages 4-10*
- C** *Stage 11*

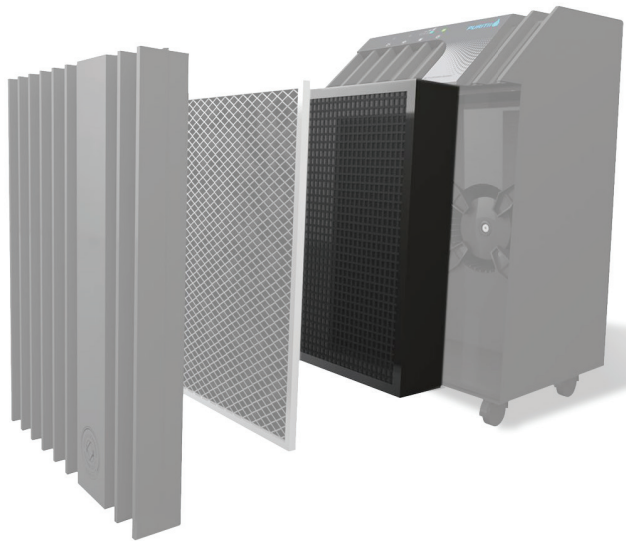
# 11-Stage Filtration



## Stages 1–3

The 3-stage pre-filtering process uses a washable filter to extend the life of subsequent filter stages, and captures larger airborne particles (over 10 microns) as follows:

- » **Stage 1: PolyMesh Pre-Filter**—This filter statically attracts larger particles of dust, dander, hair and lint.
- » **Stage 2: MacroX-15 Pre-Filter**—This filter captures smaller particles, such as finer dust and lint, down to 15 microns in size (a human hair is 30–70 microns in diameter).
- » **Stage 3: MacroX-10 Pre-Filter**—This filter captures particles 10–15 microns in size, such as mold and mildew spores and dust mite residue, which circulate in even the cleanest homes.



## Stages 4–10

The 7-stage main filter assembly captures dangerous airborne particulates that are notorious for causing lung damage, from 10 microns all the way down to .3 microns in size. It also absorbs volatile organic compounds (VOCs) such as petrochemical fumes, ammonia, formaldehyde and many others.

- » **Stage 4: MacroX-10 Pre-HEPA Filter**—The Pre-HEPA filter captures particulates 10 microns and larger missed in the pre-filtering stages.
- » **Stage 5: HEPA-Type Filter**—Millions of sub-micron pores in this hardworking filter capture nearly 100% of particulates 2.5 microns and larger, and up to 99.9% of pollutants .3 microns or larger, including airborne bacteria and viruses.
- » **Stage 6: Pre-VOC Diffuser**—The VOC stages of filtration are particularly important for those with odor sensitivities and chemical allergies. This first layer is honeycombed to evenly diffuse air through the stages that follow.
- » **Stage 7: Activated Carbon**—High-capacity carbonized pellets act like sponges to absorb a wide range of gases, chemicals and fumes, including residues of solvents, petrochemical products and odors.
- » **Stage 8: Zeolite**—The unique molecular structure of granulated zeolite, a porous volcanic rock, absorbs gaseous pollutants such as hydrogen sulfide, sulfur dioxide, benzene and formaldehyde.
- » **Stage 9: Potassium Permanganate**—Potassium Permanganate is an oxidizing agent that removes additional odors and harmful gases such as ammonia.
- » **Stage 10: Post-VOC Diffuser**—This filtering layer delivers air from the VOC filter into the ionizing chamber.



## Stage 11

### Optional Use Ionization Stage

- » The chamber in this phase of filtration contains an ionizing needle that delivers a mild static charge, energizing passing air molecules like a mini thunderstorm and leaving a fresh, clean fragrance.
- » Activates with the push of a button for use whenever needed.

## Other Features



The Puritii™ Air Purification System is controlled with a convenient electronic control panel to customize air filtration, including:

- » A filter service light for replacement and cleaning notifications.
- » An ionizer on/off setting, for those who desire to omit this stage of filtration.
- » Speed controls, including a low speed setting and a Turbo mode, which cleans the air of a 1840-square-foot room twice per hour.
- » A remote control for easy system operation.



The Puritii™ Air Purification System is highly efficient, pulling air through the filtration stages more quickly and quietly than many larger systems; and its powerful DC motor provides maximum airflow while decreasing energy usage up to 50%\*. Easy-glide castors on the unit make it easy to relocate, for quick filtration in every room of your home.

## Specifications\*\*

120V 60Hz

	Power Usage (Watts)	Flow (CFM)	Noise (dB at 1 meter)	Dimension	Inch (mm)
<b>Turbo</b>	100	303	66.5	<b>Height</b>	23" (609.6mm)
<b>High</b>	35	185	58.5	<b>Width</b>	14.25" (355.6mm)
<b>Medium</b>	15	140	51	<b>Depth</b>	12" (304.8mm)
<b>Low</b>	5	95	43		

\* Versus AC-powered purifiers

\*\*Specification to change as per engineering design requirements