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r/AirPurifiers



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r/AirPurifiers • 1 yr. ago

prayingmantras



**Looking to buy my first purifier (Winix 5500-2) as per this sub's recommendation. Should I use the PlasmaWave feature? Keep it turned off? Is plasma good or bad?! A little confused with the various comments.**



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2



14



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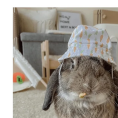


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rdcldrmr • 1y ago

It's a marketing term for what's basically an ionizer. Some people have been affected negatively (nausea, headaches, sickness) by ionization, so it's generally recommended to leave it off. The annoying thing about the 5500-2 is that you have to turn it off every single time the unit is powered on.



3

prayingmantras **OP** • 1y ago

Thank you for the response. Would you recommend a different unit in a similar price range over the 5500-2? My head is spinning reading through this sub and trying to figure out the best option.



2



5 more replies



sissasassafrastic • 1y ago



Top 1% Commenter

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Brief Background: VOCs can have a negative effect on human health. From the EPA's *Technical Overview of Volatile Organic Compounds*, "Many VOCs form ground-level ozone by "reacting" with sources of oxygen molecules such as nitrogen oxides (NOx), and carbon monoxide (CO) in the atmosphere in the presence of sunlight. However, only some VOCs are considered "reactive" enough to be of concern." Link:

<https://www.epa.gov/indoor-air-quality-iaq/technical-overview-volatile-organic-compounds>

The following quotes are from the study *Evaluating a commercially available in-duct bipolar ionization device for pollutant removal and potential byproduct formation* (2021). Permalink:

<https://doi.org/10.1016/j.buildenv.2021.107750>

"Both the chamber and field tests suggested that the use of the tested bipolar ionization unit led to a decrease in some hydrocarbons (e.g., xylenes) among the lists of compounds we were able to analyze, but an increase in others, most prominently oxygenated VOCs (e.g., acetone, ethanol) and toluene."

"These data suggest that while ionization led to a decrease in some hydrocarbons, the ionization process appears to have led to partial decomposition of some hydrocarbons, resulting in the observed increases in some oxygenated VOCs. This proposed phenomenon of incomplete VOC degradation is consistent with the ionization process charging VOCs, and then those VOC ions (VOC+ or VOC-, depending on ionization mechanism) either decomposing to a smaller VOC and an accompanying ion, or going on to react with molecular oxygen (O2)."

↑ 2 ↓ ...



**UncleGurm** • 1y ago

Top 1% Poster

Plasma wave is a bipolar ionizer. Supposedly more useful and less problematic than regular ionizers. I see very little difference either way but some people are very sensitive. The 5500-2 is the best unit for the money that you can buy.

⊖ ↑ 1 ↓ ...



**Narme26** • 10mo ago

What about the Levoit Vital 100s and 200s?

↑ 1 ↓ ...

⊕ 1 more reply



**mavad90** • 1y ago

Seems like a good overall unit for price, especially for particulate matter but don't expect this to do anything for odors.

↑ 1 ↓ ...



**[deleted]** • 1y ago

It's not a huge hassle to turn off plasmawave. I usually turn it off. I keep my winix running 24/7

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mcm\_taged4 • 1y ago

If you can afford i usually suggest blueair, specifically the ones with fabric filters. The design makes it so you use less filters because its fabric filter first which is washable, then hepa and carbon. Works pretty well. If you don't care about the look, just use a furnace filter on a box fan, wish i knew how effective that solution was before i spent a bunch on an air purifier, looks shitty though.

Plasma wave is an ionizer which is meant to helo disinfect but it doesn't expose anything long enough and has a byproduct of ozone in small quantities, which if you have a lung condition like asthma, can trigger symptoms since its a known sensitizer. When it gets hot outside sometimes ozone drops to the ground which weather service will usually push people with asthma to go inside if possible for that reason. So alot of people try to avoid ionizers since your paying for something that really doesn't do much but slightly degrade the air quality, not optimal for an air purifier, not sure why they keep adding them lol.

1 ...



r/AirPurifiers • 6 mo. ago

### Winix without PlasmaWave feature

9 upvotes · 32 comments



r/AirPurifiers • 4 yr. ago

### Got the Winix 5500-2, is there any reason to turn the Plasmawave button off?

11 upvotes · 12 comments



r/AirPurifiers • 1 yr. ago

### Winix 5500-2 or Coway 1512HH?

7 upvotes · 10 comments



r/AirPurifiers • 2 yr. ago

### Winix 5500-2 is excellent

3 upvotes · 13 comments



r/AirPurifiers • 4 mo. ago

### Winix 5500-2 looks ugly - any alternatives?

3 upvotes · 5 comments



r/AirPurifiers • 7 mo. ago

### Just bought my first purifier - now when do I see results?

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## Winix AM80 vs. 5500-2 ? Same?

9 upvotes · 5 comments

[r/](#) r/AirPurifiers • 2 mo. ago

## Just bought an Air Purifier and feel horrible

10 upvotes · 57 comments

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## Winix 5510 vs. 5500-2

4 upvotes · 3 comments

[r/](#) r/AirPurifiers • 4 mo. ago

## Any good cheap purifiers?

7 upvotes · 16 comments

[r/](#) r/AirPurifiers • 17 days ago

## Air Purifier Recommendation

7 upvotes · 17 comments

[r/](#) r/AirPurifiers • 7 mo. ago

## Could I be getting share headaches from winix plasmawave air purifier?!

3 upvotes · 9 comments

[r/](#) r/AskElectronics • 3 yr. ago

I'm removing the Plasmawave ion generator from my Winix 5500-2 air purifier. The ion generator is connected to a board by a white clip. If I remove the white clip from the board...

34 upvotes · 26 comments



[r/](#) r/AirPurifiers • 3 mo. ago

## I Got a Great Deal on an Air Purifier Thanks to This Community!

25 upvotes · 14 comments



[r/](#) r/AirPurifiers • 3 mo. ago

## Best air purifier around 200 and under?

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## Any reason I shouldn't buy the Winix C909 from Costco?

4 upvotes · 21 comments



r/sffpc • 1 yr. ago

## Looking to replace my daily driver laptop with a SFF PC. How does this look?

5 upvotes · 16 comments



r/hifiaudio • 1 yr. ago

## Is Pioneer DC-Z82 considered a good hifi system?

4 upvotes · 7 comments



r/eink • 1 yr. ago

## Is the supernote Nomad = A6X2? + Looking for general feedback on what device I should look at next.

4 upvotes · 18 comments



r/HomeNetworking • 1 yr. ago

## Want to upgrade to Eero Pro 6e, but new to networking and have some questions!

10 comments



r/AirPurifiers • 5 mo. ago

## Is this a good deal and do you recommend this air purifier?



18 upvotes · 49 comments



r/AirPurifiers • 5 yr. ago

## WINIX 5500-2 vs C545?

7 upvotes · 11 comments



r/GamingLaptops • 1 yr. ago

## Why does intel seem to be hated this gen? I keep seeing people recommend AMD over Intel. Is it just due to thermals and cooling? I'm trying to decide between these two laptops...

1 upvote · 30 comments



r/AirPurifiers • 1 yr. ago

## People who own Winix 5500-2



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## Thoughts on these Air Purifiers

6 upvotes · 13 comments

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