

Electrostatic Air Purifier Comparison Chart

	AP360 Electrostatic Air Purifier	Common air cleaners using HEPA filters
1.	The filter is permanent and will last the life of the unit.	Periodic replacements of costly filters are required.
2.	Air resistance through the filter is small so less fan power is required to move a large volume of air for efficient air cleaning. Result: quieter operation and a lower electric bill.	Air resistance through the HEPA filters is higher requiring more fan power for the same air flow rate. Result: noisy operation and higher electric bill.
3.	Only one permanent filter is required to remove the large and small particulates in the air. The smallest particulates — even the size of a common cold virus — can be filtered.	For effective operation, at least one replaceable pre-filter and one replaceable main filter are required. The pre-filter captures the large particulates while the main filter captures the small ones.
4.	The filter needs to be cleaned every 2 weeks, on average. Almost no maintenance cost.	The pre-filter also needs to be cleaned every 2 weeks, on average. However, the costly main filter cannot be cleaned and generally needs to be replaced every few months. High maintenance cost.
5.	The air resistance of the filter is almost constant throughout its operation. Therefore the rate of clean air output will not drop over time.	The air resistance in the filters increases as more particulates are captured on their surfaces. Less and less clean air can be output as this happens.
6.	An unnoticeable and safe amount of ozone is released to neutralize odors and kill germs collected on the collector plates.	Additional special filters are required to neutralize odors and kill germs. These costly filters require periodic replacement.
7.	Periodic cleaning of the permanent filter, and the unnoticeable and safe amount of ozone generated, prevent the collected particulates from becoming a breeding ground of harmful germs.	The main filter cannot be cleaned, so the particulates it captures stay months on it, before it is replaced. It can become the breeding ground of harmful germs especially in humid environments. The chance that some of the germs may leak into the room should not be overlooked.