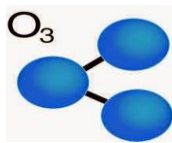
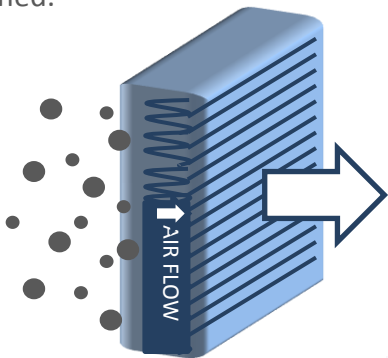


### *How to choose a suitable air purifier?*

Always remember it is the air that you breathe in that matters, and not the removal efficiency of the filter itself!

#### 1. Air flow/Air Turnover Rates

- Airflow/Air Turnover Rates should be high to ensure that air in the room is cleaned quickly.
- The higher the airflow, the faster the air is cleaned.



#### 2. Ozone Generation

- Some air purifiers generate ozone concentrations that claim to be safe for human health, however amount of ozone can build-up in an enclosed room.
- Studies have shown that ozone exposure can lead to eye, nose and throat irritation and worsened asthma.
- Hence, it is best to select an air purifier with no ozone emission.

#### 3. HEPA Vs Other filters

	HEPA Filter	MERV 14 Filter*
PM2.5 Removal Efficiency at the filter	99.97%	90-95%
Air Flow	Low	High

\* MERV 14 filter is recommended when the outdoor air quality is poor, as per SS554 (Code of Practice for Indoor Air Quality for Air-conditioned Buildings) and SS553 (Code of Practice for Air-conditioning and Mechanical Ventilation).

- Do not be alarmed if the filter turns black during a smoke haze event as it means the filter is doing its job, actively removing PM2.5 and dust.
- Ensure that the filter is changed regularly.

#### 4. Clean Air Delivery Rate (CADR) value

- This measures the ability of the air purifier in removing smoke, dust and pollen particles from the air.
- The higher the CADR value, the larger the amount of air filtered per minute.

#### In Summary

Air Turnover Rates	CADR	Filters	Ozone
Air turnover rate of > 4 times per hour	Smoke, Pollen and Dust CADR > 170 cfm	Choose the purifier with filters that allow for optimal balance between air flow and removal efficiency	Purifier should not emit ozone at all

### *How to choose a suitable mask?*

1. Mask material has to be able to remove PM2.5.
2. Mask with an activated carbon material is preferred as it will remove the 'smoky' smell.
3. Mask material must be comfortable enough to be worn for long periods of time.