

APR 2021 Version

# CIG AIR PURIFIER

## CEILING MOUNTED

# AP450, AP720



### Advantages & Benefits :

- Compact design.
- 3-stage high-performance filters.

#### > Pre-filter (G4, MERV7)

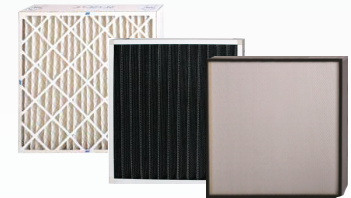
Removes large particles, dust and hair.

#### > Activated carbon synthetic filter

Effectively removes wide variety of odors.

#### > U15 ULPA filter (0.12 µm) 2.5x finer HEPA

Removes fine particles PM2.5, PM1 and bacteria and virus.



- UV-C Sterilizer.
- Low-noise, high-efficiency EC-plug fan.
- Quick-mounted structure design.
- Duct adapters at both ends for easy on-site installation.
- Designed for 24/7

### Optional :



- Automatic filter status notification
- Upstream and downstream pressure drop detection port.

### Application :

Suitable for all kinds of indoor environment, especially for hospitals, schools, airports and commercial buildings. It can be connected to existing fresh air system, mixed (fresh & recirculating) air system and exhaust air system.

\*Specification, features, and design are subject to change without notice for further improvements.



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# CIG AIR PURIFIER AP450, AP720

## CEILING MOUNTED



| Specification   | AP450                             |   | AP720                            |   |
|---|-----------------------------------|---|----------------------------------|---|
| Type  | Dimension                         | Efficiency  | Dimension                        | Efficiency  |
| Pre-Filter  | W12xH12xD2 in                     | En779 ASHRAE<br>ASHRAE 52.1&52.2 (USA)<br>G4 Merv7<br>(90-92%) (25-30%) | W20xH20xD2 in                    | En779 ASHRAE<br>ASHRAE 52.1&52.2 (USA)<br>G4 Merv7<br>(90-92%) (25-30%) |
| Synthetic Carbon Filter   | W12xH12xD2 in                     | 94%   | W20xH20xD2 in                    | 94%   |
| ULPA Filter   | W12xH12xD3 in                     | U15 (99.9995%) @ 0.12 µm  |                                  |   |
| HEPA Filter   |                                   |   | W20xH20xD3 in                    | H14 (99.995%) @ 0.3 µm  |
| Airflow   | 260 CFM                           |   | 750 CFM                          |   |
| External Static   | 0.3 in. wg.                       |   | 0.3 in. wg.                      |   |
| Fan   | High Efficiency EC Motor          |   | High Efficiency EC Motor         |   |
| Power   | 180 W                             |   | 520 W                            |   |
| Using area for  | 22 - 60m <sup>2</sup> (2-6 ACH)** |   | 70-210m <sup>2</sup> (2-6 ACH)** |   |
| Housing color / Material  | White / Electrostatic spraying    |   | White / Electrostatic spraying   |   |
| Dimension <small>(Excluding connector and electrical box)</small> | W420 x H420 x D813 mm             |   | W650 x H650 x D913 mm            |   |
| Connector Size  | 10"                               |   | 16"                              |   |
| Voltage/Frequency   | 220V / 50Hz                       |   | 220V / 50Hz                      |   |
| Noise   | 68 dBA (Low noise)                |   | 80 dBA (Low noise)               |   |
| UVC   | UVGI 253.7 nm. (With status LED)  |   | UVGI 253.7 nm. (With status LED) |   |
| Weight  | 37 Kg.                            |   | 50 Kg.                           |   |

\*\*calculated at the height of 3m.



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