CIG Air Purifier

AP450 | AP720 | AP1000
• Mobile Unit

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 & re-circling) air system and exhaust air system.

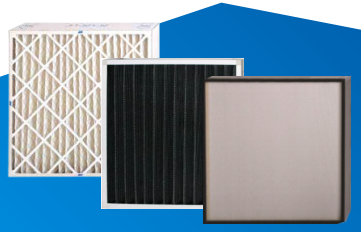
*Specification, features, and design are subject to change without notice for further improvements.

3-Stage High Performance Filter

450 CMH	720 CMH	1000 CMH
• Pre (G4, MERV7)	• Pre (G4, MERV7)	• Pre (G4, MERV7)
• Carbon Filter 94%	• Carbon Filter 94%	• Medium Filter MERV14, F8, 90-95%
• ULPA Filter U15 99.9995% @0.12µm	• HEPA Filter H14 99.995% @0.3µm	• HEPA Filter H14 99.995% @0.3µm

Removes large particles, dust and hair.
Effectively removes wide variety of odors.
Removes fine particles PM2.5, PM1 and bacteria and virus.

- UV-C Sterilizer.
- Low-noise, high-efficiency EC-plug fan.
- Compact design.



PM2.5 PROTECTION
REDUCE RISK FROM AIRBORNE INFECTION

TIS 1516-2549 C.I. GROUP PCL

ISO 9001 2015 CERTIFIED

Leak Test ISO14644 - 3 (2005) Optional

Specification

	450 CMH	720 CMH	1000 CMH
3-Stage High Performance Filter	Pre (G4, MERV8) EN779 ASHRAE 52.1&52.2 (USA) G4 MERV 8 (30-35%) *Dimension: W12 x H12 x D2 inch* **Synthetic Carbon Filter 94%** *Dimension: W12 x H12 x D2 inch* **ULPA Filter U15** **99.9995% @0.12µm** *Dimension: W12 x H12 x D3 inch*	Pre (G4, MERV8) EN779 ASHRAE 52.1&52.2 (USA) G4 MERV 8 (30-35%) *Dimension: W20 x H20 x D2 inch* **Synthetic Carbon Filter 94%** *Dimension: W20 x H20 x D2 inch* **HEPA Filter H14** **99.995% @0.3µm** *Dimension: W20 x H20 x D2 inch*	Pre (G4, MERV8) EN779 ASHRAE 52.1&52.2 (USA) G4 (90-92%) MERV 8 (30-35%) *Dimension: W20 x H20 x D2 inch* **Medium Filter** **(MERV 4, F8, 90-95%)** *Dimension: W20 x H20 x D2 inch* **HEPA Filter H14** **99.995% @0.3µm** *Dimension: W20 x H20 x D2 inch*
Airflow	260 CFM	750 CFM	260-1000 CFM
External Static	0.3 in.wg	0.3 in.wg	1 in. wg.
Fan	High Efficiency EC Motor	High Efficiency EC Motor	High Efficiency EC Motor
Power	180W	520W	360W
Est. Using Area	22-60m² (2-6 ACH) **@450CMH	70-210m² (2-6 ACH) **@720CMH	90 - 250m² (2-6 ACH) **@1000CMH
Color/Material	White / Electrostatic spraying	White / Electrostatic spraying	White / Electrostatic spraying
Unit Dimension	L420 x W420 x H813 mm	L650 x W650 x H913 mm	L600 x W600 x H1500 mm
Connector Size	10 inch	16 inch	xxx
Voltage/Frequency	220V / 50Hz	220V / 50Hz	220V / 50Hz
Noise	68 dBA (Low noise)	80 dBA (Low noise)	80 dBA (Low noise)
UVC	260-1000 CFM	260-1000 CFM	UVGI 253.7 nm. (With status LED)
Weight	37 kg	50 kg	50 kg

**calculated room / space height = 3m

C.I. GROUP PUBLIC COMPANY LIMITED
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Line OA: @CIGCare

CIG Air Purifier

เครื่องฟอกอากาศ

AP450 | AP720
- Ceiling Mounted
- Vertical Stand

Specification	AP450	MIT6411000500	AP720	MIT6411001399
Type	**Dimension**	**Efficiency**	**Dimension**	**Efficiency**
Pre-Filter	W12xH12xD2 in	En779 ASHRAE ASHRAE 52.1&52.2 (USA) G4 (90-92%) Merv7 (25-30%)	W20xH20xD2 in	En779 ASHRAE ASHRAE 52.1&52.2 (USA) G4 (90-92%) Merv7 (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 / 450 CMH		750 CFM / 1274 CMH	
External Static	0.3 in. wg.		1 in. wg.	
Fan	High Efficiency EC Motor		High Efficiency EC Motor	
Power	180 W		520 W	
Using area for	22 - 60m² (2-6 ACH)**		70-210m² (2-6 ACH)**	
Housing color / Material	White / Electrostatic spraying		White / Electrostatic spraying	
Dimension (Excluding connector and electrical box)	W420 x H420 x D813 mm		W650 x H650 x D913 mm	
Dimension (Base for Vertical Stand)	W427 x H600 mm		W657 x H600 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.	

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PM2.5 PROTECTION

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air system and exhaust air system.

TIS. 1516-2549
C.I. GROUP PCL

Made in Thailand

ISO 9001 2015 CERTIFIED

Leak Test
ISO14644 - 3 (2005)
Optional

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

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

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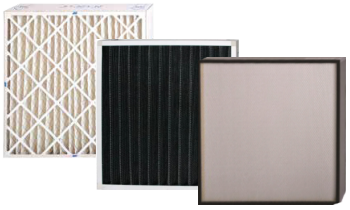

- UV-C Sterilizer.
- Low-noise, high-efficiency EC-plug fan.
- Quick-mounted structure design.
- Duct adapters at both ends for easy on-site installation.
- Designed for 24/7

Optional :

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

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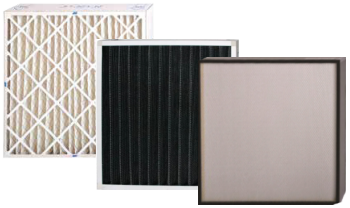

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