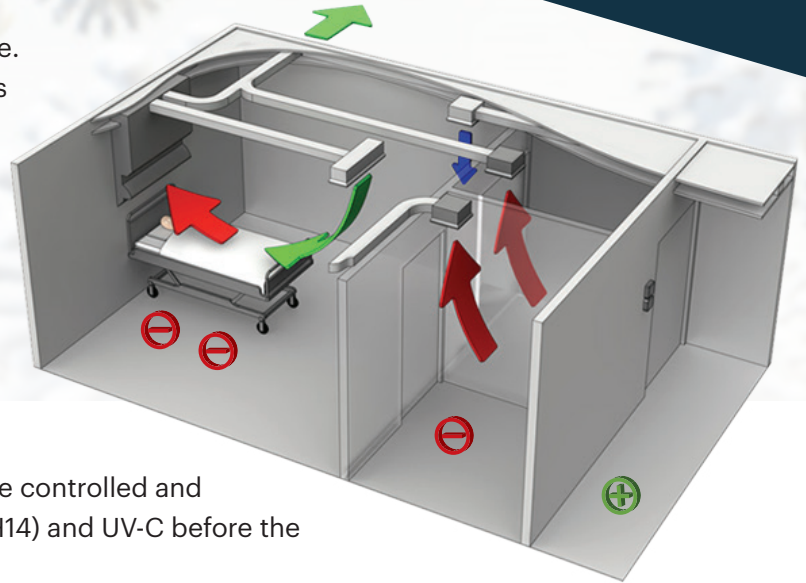




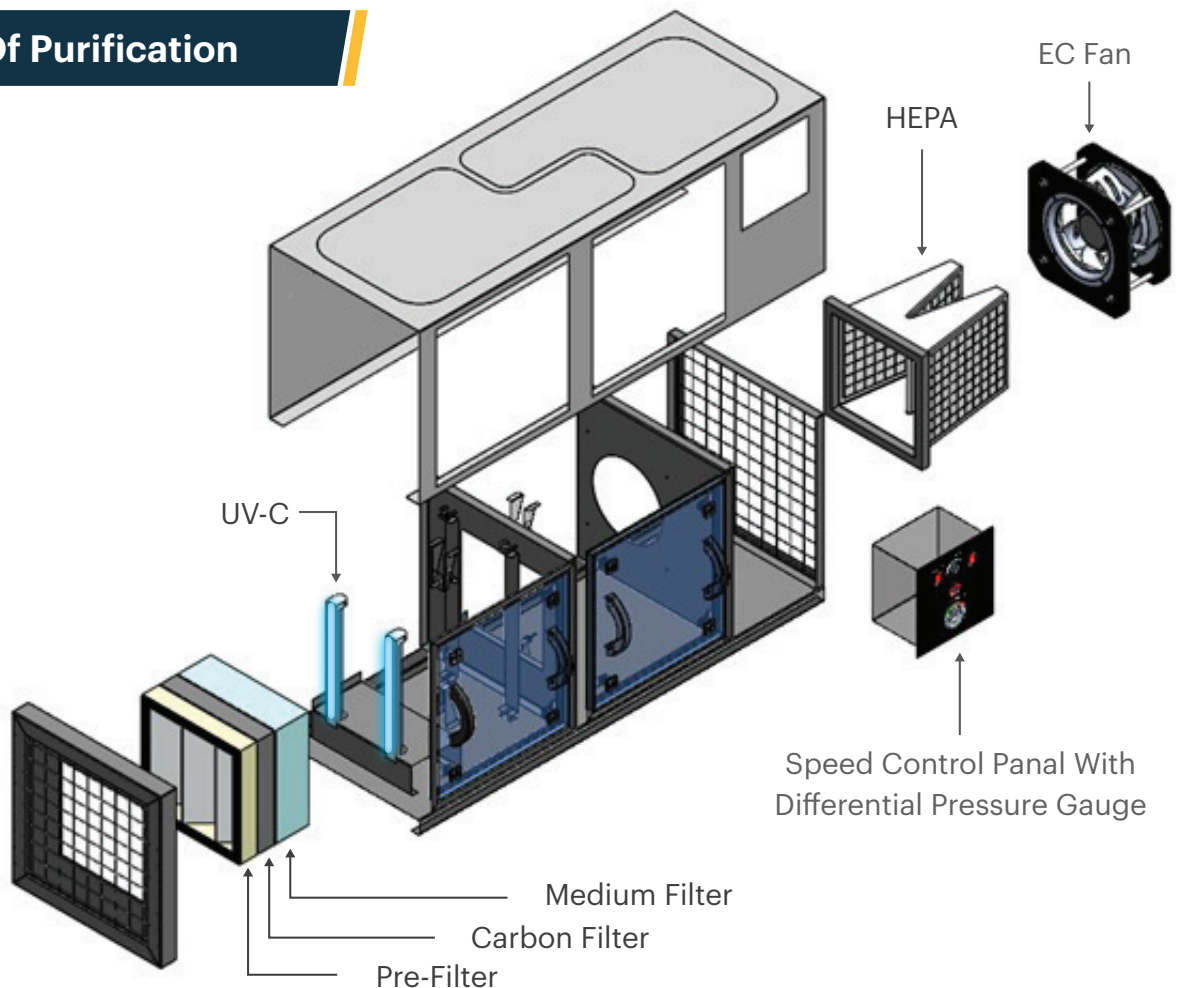
AIR PURIFIER NEGATIVE PRESSURE FAN

DO FOR NEGATIVE PRESSURE ROOM?

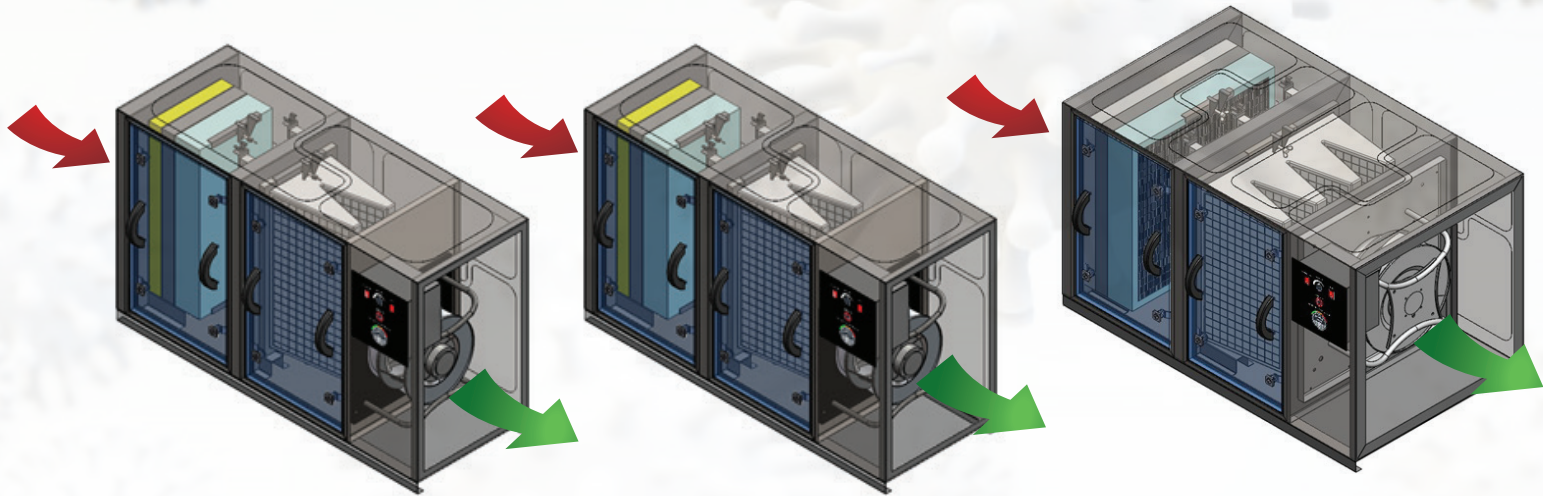
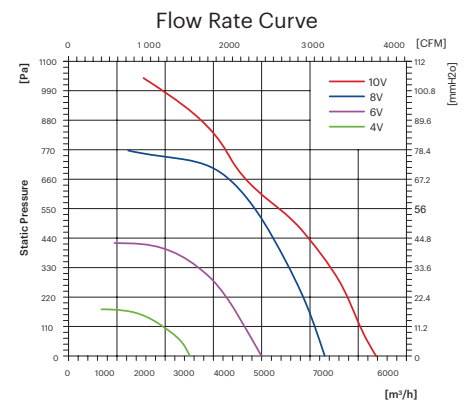
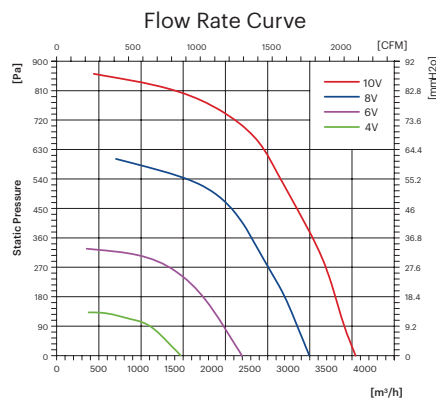
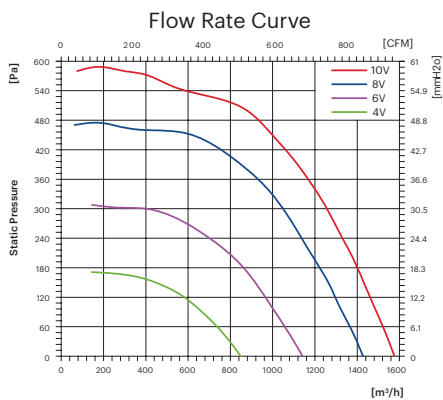
Coronavirus disease (COVID-19) is an infectious disease. The best way to prevent and slow down transmission is be well informed about COVID-19 virus by Negative room pressure design, also known as airborne infection isolation technique in hospitals and medical centers to prevent cross-contaminations from room to room and reduce transmission of disease via the airborne route. The negative pressure is generated and maintained by a ventilation system that removes more exhaust air from the room than air is allowed into the room. The suitable contaminated exhaust air will be controlled and reduce the volume of disease by Type of Filter; HEPA(H14) and UV-C before the air go out.



Stages Of Purification

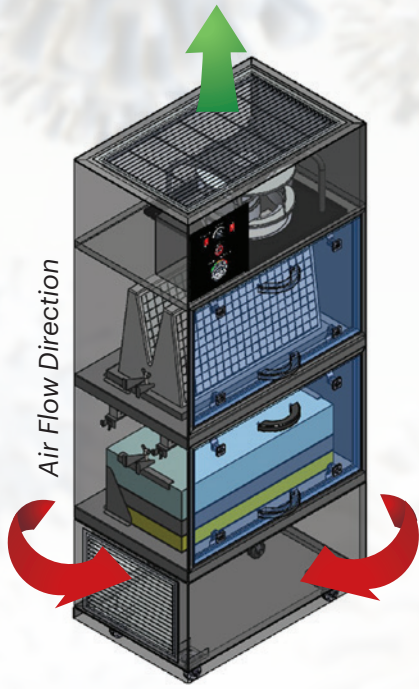
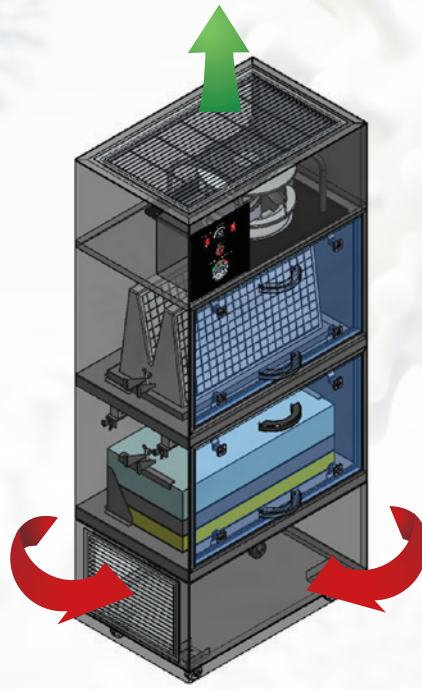
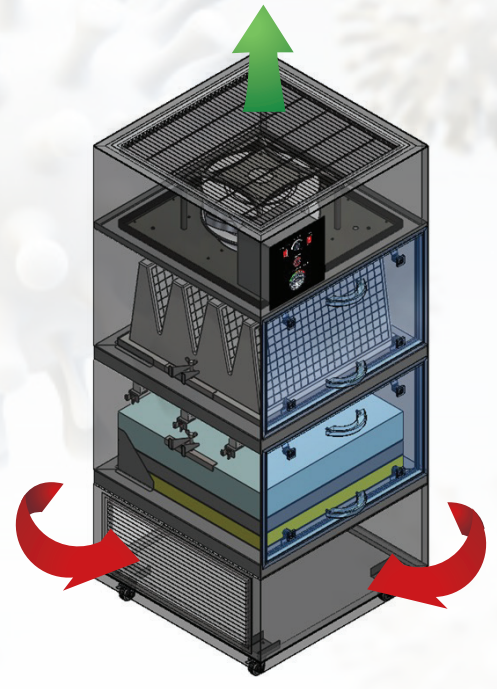
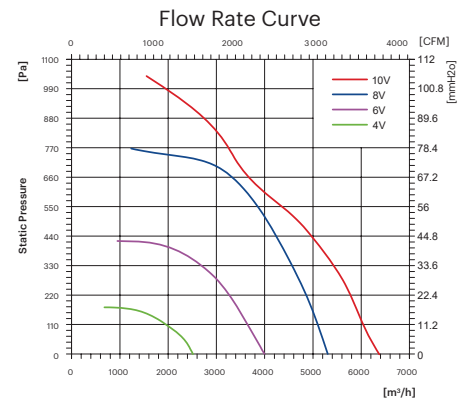
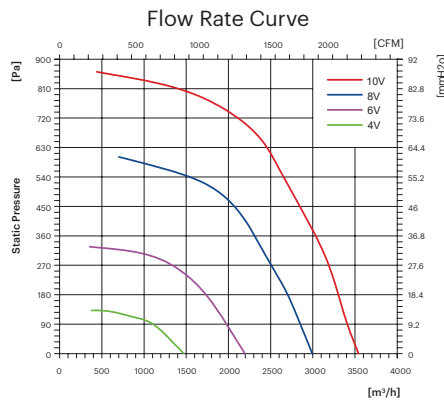
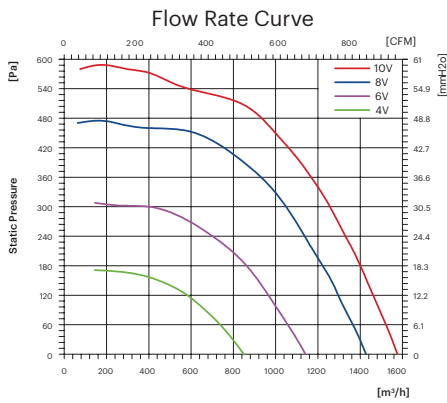


Air Flow Direction


APS 250-EC
APS 280-EC
APS 355-EC


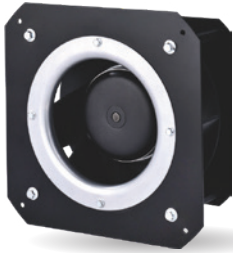
*** Fan Performance Curve (without filter)

Model Name	APS250-EC	APS280-EC	APS355-EC
Mounting	Ceiling		
Approx Size (WxHxL) mm	450x700x1200	450x700x1200	700x700x1200
Estimate Air Flow (CMH/CFM)	1020/600	1700/1000	3060/1800
Power Consumption (W)	270	745	1100
Fan Speed Setting	Speed Dimmable Switch		
Voltage	220V 50Hz		380V 50Hz
Motor Type	EC		
Pre Filter / Eff. Class	Synthetic Media / Merv 8		
Medium Filter / Eff. Class	Media Synthetic Fiber / Merv 12 (F5)		
Final Filter / Eff. Class	V-Bank HEPA / Merv 17 (H13)		
Carbon Filter (kg)	7 kg	7 kg	15 kg
UV Lamps	4x8W UV-C	4x8W UV-C	6x8W UV-C


APW 250-EC

APW 280-EC

APW 355-EC


*** Fan Performance Curve (without filter)

Model Name	APW250-EC	APW280-EC	APW355-EC
Mounting	Floor		
Approx Size (WxHxL) mm	450x700x1200	450x700x1200	700x700x1200
Estimate Air Flow (CMH/CFM)	1020/600	1700/1000	3060/1800
Power Consumption (W)	270	745	1100
Fan Speed Setting	Speed Dimmable Switch		
Voltage	220V 50Hz		380V 50Hz
Motor Type	EC		
Pre Filter / Eff. Class	Synthetic Media / Merv 8		
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EC (Electronically Communication) motors, as built-in DC inverter driver with AC external rotor permanent magnet synchronous motors, its efficiency and low noise is considered to be the ultimate fan energy technologies.

- High Performance at Lower RPM.
- Permanent Magnet and free maintenance.
- Lower noise
- High efficiency and lower power
- Lower size design

The basic functions and performances of EC fan controller

- Sensorless permanent magnet motor drive
- Wide input voltage range, single-phase 110-270V, three-phase 250V-480V, 50/60Hz
- PFC(Power factor correction): Passive and active(IEC61000-3-2);
- Soft start, adjustable acceleration, CVT
- Design operating temperature range: -30° ~ 60° of minimum selection (The device in accordance with -40° ~ 85°)
- Protection: Overvoltage, undervoltage, overtemperature, overcurrent, phase loss detection, communication failures
- The basic interface: 0-10V/PWM, RS485/Modbus, 4-20 mA
- The basic parameters of field-programmable: Maximum speed, minimum speed, maximum power, maximum current, resonance avoid
- Constant air pressure controlling function
- Embedded Design
- EMC (Electro Magnetic Compatibility)



Controller Of EC Fan

Single-phase AC220V, 230V input;(200V-277V)

PFC(Power factor correction):

- Passive
- Active

Interface:

- 0-10V/PWM
- RS485/Modbus
- Tacho

Three-phase AC380V, 440V input;(380V-480V)

PFC(Power Factor Correction):

- Passive

Interface:

- 0-10V/PWM Input
- RS485/Modbus
- Tacho
- Relay Control Output
- 4-20mA
- 0-10V Output
- IO Input

