

PlatinumPLUS Home Air Purification System

The Only Complete Air Purification System Specifically Made for Your Home

At the heart of every SecureAire Air Purification System is SecureAire's ACTIVE Particle Control™ (APC), a revolutionary breakthrough in air purification technology. With this system, every aspect of indoor air pollution is addressed: removing airborne particulates, dangerous pathogens, and toxic VOCs (volatile organic compounds).

ACTIVE Particle Control Technology is based on the same particlecontrol technology used in semiconductor manufacturing cleanrooms, some of the most rigorously clean environments on the planet. APC has also been deployed in hospital operating rooms, greatly reducing infection rates. Now, this same advanced air purification technology is providing everyone with the safest, healthiest, and cleanest indoor air possible.

SecureAire's ACTIVE Particle Control technology conditions the smallest particles to attract to each other forming ever-larger clusters that can then be brought to the filter by air currents.



Once these airborne contaminants are attracted to the filter, they are held there and can't escape. The charged media within the filtration cartridge creates oxidative cellular stress on any pathogens, killing them, and rendering them harmless.

The PlatinumPLUS Home Air Purification System consists of the ACTIVE Particle Control System and a replaceable SecureAire filter cartridge. This complete Air Purification system can be adapted to almost any home furnace and does not inhibit air flow through the system with industry leading high filter efficiency and low static pressure drop characteristics while handling airflows of up to 2000 cubic feet per minute.



The 4-Step ACTIVE Particle Control Process never stops.



Step 1: Condition

Condition particles with both positive and negative polarities

Step 2: Collision

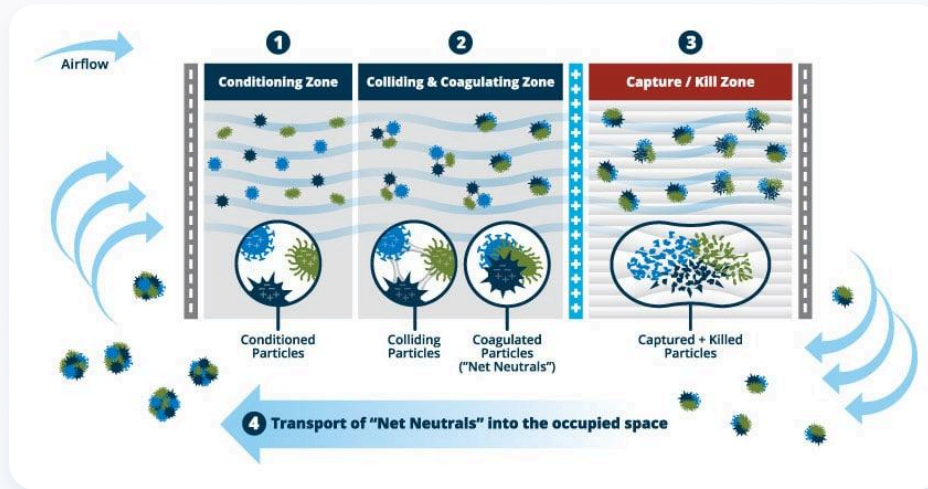
Particle conditioning causes colliding and coagulation of particles and the formation of "net neutrals"

Step 3: Capture and Inactivate

Anything captured within the SecureAire Filter Matrix is killed or inactivated

Step 4: Transport

Net neutrals arriving within the indoor environment control the "transport" of small particles so they are more easily captured



System Specifications

Part Numbers	ACS1620-NG2	ACS2020-NG2	ACS1625-NG2	ACS2025-NG2
System Efficiency Rating (MERV)	MERV 14 per ASHRAE 52.2			
Unit Dimensions including Enclosure Frame (h x w x d)	16" x 20" x 6.75"	20" x 20" x 6.75"	16" x 25" x 6.75"	20" x 25" x 6.75"
Unit Weight (lbs.)	14	15	15	17
Enclosure	Aluminum/galvanized steel			
Maximum Airflow (CFM)	1200	1400	1400	2000
Initial Pressure Drop (inches wc.)	(0.11)	(0.10)	(0.10)	(0.10)
Humidity Range	0 to 95% RH, non-condensing			
Operating Temperature	-40° to 165°F (-40 to 74°C)			
System Depth	6.75" in the airway length direction			
Power in	120 single phase VAC			
Consumption	7 Watts @ 120 VAC			
Safety Protection	SB 0.5 A/250 V fuses			
Preferred Mounting	Return air side			
Safety Certifications	US: UL 867		Canada: CAN/CSA C22.2 No. 187-09	
Warranty	5-year full replacement warranty			
Filter Replacement PlatinumPLUS Series Part Numbers	ROC1620-NG2	ROC2020-NG2	ROC1625-NG2	ROC2025-NG2
Filter Nominal Dimensions (h x w x d)	16" x 20" x 2"	20" x 20" x 2"	16" x 25" x 2"	20" x 25" x 2"

PlatinumPLUS Series Pressure Drop Curves

