

Product Guide
Air Cleaners

Aprilaire®



One Inch Filters Lead to Equipment Problems

One inch filters lead to a host of equipment problems including frozen coils, low air flow, inefficient cooling and even flood-back of refrigerant into the compressor. HVAC contractors know the importance of proper filtration to prevent these age-old problems. *Homeowners don't.*

One inch filters have been the default standard on many installations for years. But when you install a new air handler with a one inch filter you are gambling with system performance and your reputation.

As you know, consumers rarely change filters as required, so the filters gradually load with particulates, limiting air flow. As the air flow restricts, equipment problems follow.

To make matters worse, many consumers choose "high-density" one inch filters as replacements from big box retail stores. These filters have high initial static pressure and get worse as they load.



Dirty and frozen indoor AC coil resulting from the use of a standard one inch filter and improper replacement schedule.

Don't trust your reputation to a homeowner's neglected maintenance. Standardize on high-efficiency air cleaners with low pressure and long life.

Avoid System Breakdowns



Most homeowners know there is a filter; however, nearly 50 percent don't know how often to change it, or they forget. Most system breakdowns are from a failure to change the air filter which causes the inside coil to freeze up or the blower to fail.

— Mike Agugliaro, Co-Owner, Gold Medal Service, New Jersey
ACHRNEWS March 2, 2015

Choose Media Designed for HVAC Performance

One inch filters do not have enough filtering material to properly protect equipment over time. A filter with more surface area can hold more particulate while still providing proper air flow over a longer period.

It's Time to Adhere to the New, Higher Standard

Many advancements have been made in the last 50 years to improve energy efficiency and comfort. Homeowners often spend tens of thousands of dollars on new windows, siding, insulation, and of course, HVAC.

A high-efficiency media upgrade is an inexpensive investment that ultimately extends the life of the HVAC system, improves homeowner health and comfort and reduces energy consumption.

APRILAIRE MEDIA LASTS UP TO 12 MONTHS



27 Sq. Ft.

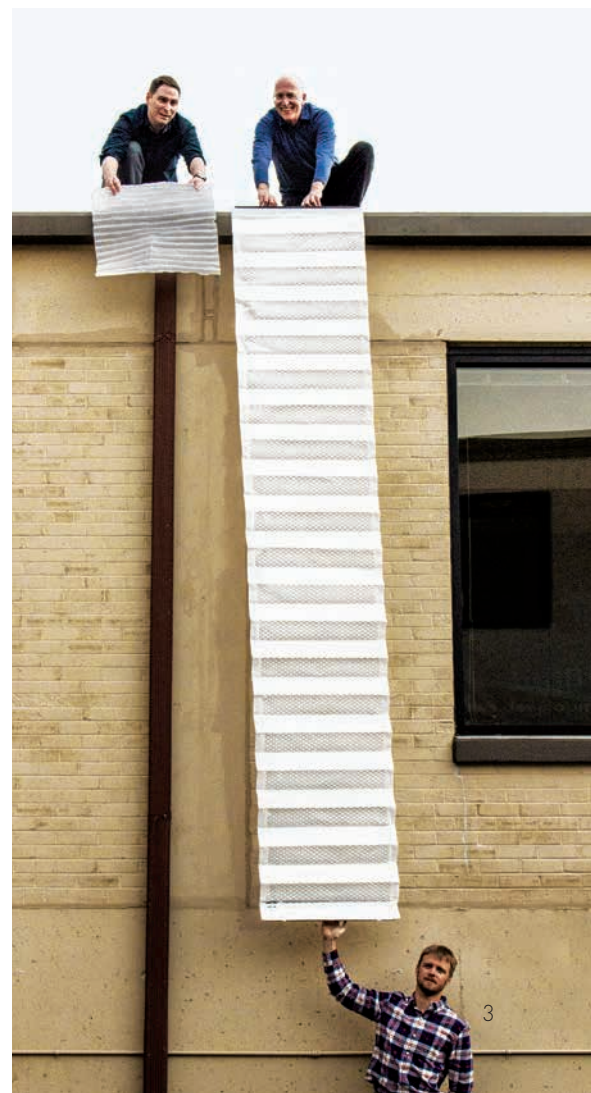
10x MORE MEDIA to filter out harmful particles

TRADITIONAL 1" FILTER LASTS 1-3 MONTHS



24"

3.4 Sq. Ft.



Convert from One Inch Filters to High-Efficiency Media

Benefits of High-Efficiency Media

- Lower pressure drop compared to dirty one inch filters
- Protection of expensive HVAC equipment
- Reduced callbacks and more satisfied customers
- Continued revenue from the sale and replacement of high-efficiency media
- The sale of a complete IAQ system, not just HVAC

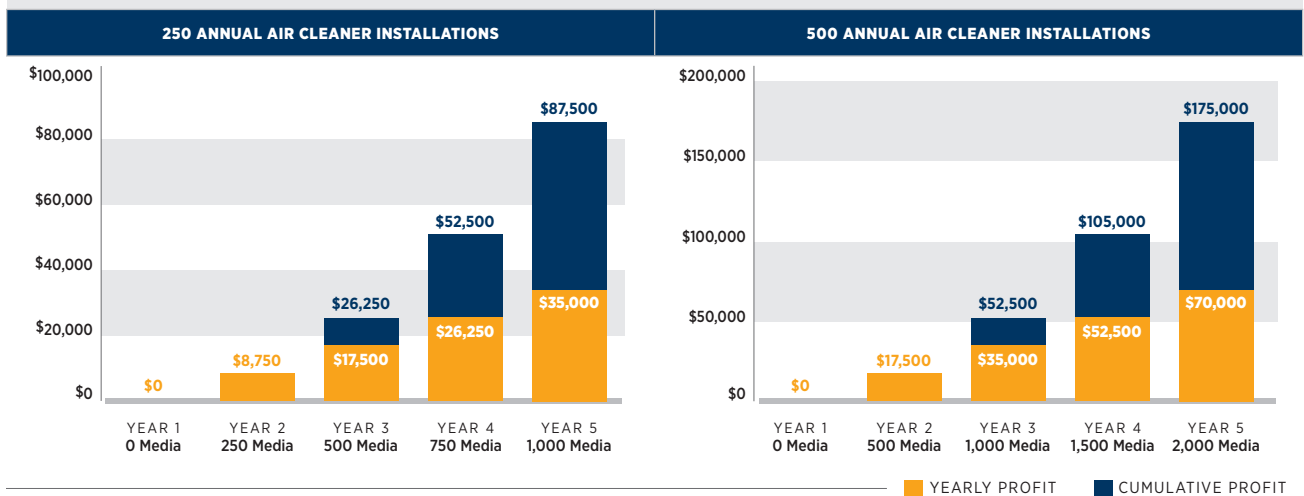
Contractors who explain, quote and provide high-efficiency media on every installation are closing more air cleaner sales and building filter annuities. The chart on the right shows the close rates of successful contractors who sell high-efficiency media.

Profit Estimates

The money is in the media. After installing a high-efficiency air cleaner, an HVAC contractor can create an annual compounding revenue stream on every job with the sale of patent-protected Aprilaire replacement media. Aprilaire recommends annual media changes and our 80%+ media retention rate proves that a majority of homeowners follow through with that recommendation.

SURVEYED CONTRACTORS' SELL AND CLOSE RATES		
METHOD	CLOSE RATES	PROCEDURE
Quote Aprilaire high-efficiency media air cleaners on every job.	30%	<ul style="list-style-type: none"> • Include price of a whole-home air cleaner on every quote. • Sell more IAQ add-ons.
Quote every time and train comfort advisors to sell high-efficiency in the home.	50-70%	<ul style="list-style-type: none"> • Include price of whole-home air cleaner and incent sales. • Increase revenue with annual media replacement, improved customer satisfaction.
Remove one inch from standard costs and replace with Aprilaire on every job.	100%	<ul style="list-style-type: none"> • Educate homeowner on benefits of installed high-efficiency; including system performance, health and comfort. • Grow future revenue on every job.

APRILAIRE MEDIA PROFITS ON AN ANNUAL AND 5-YEAR CUMULATIVE BASIS



Aprilaire High-Efficiency Media, The New Standard

Aprilaire provides everything you need to sell and install a high-efficiency air cleaner on every installation.

- Patented Self-Seal™ Media guarantees MERV performance
 - Exclusive design eliminates bypass
 - Protect your business; genuine replacement media not sold in big box stores
- Models for all applications and sizes
- 5-year warranty on cabinet
- Superior particulate removal, low static pressure and equipment protection compared to one inch filters
- Options for existing air cleaners
 - Upgrade kits for older Aprilaire models as well as Space-Gard® air cleaners
 - Media and adjustable frames for non-Aprilaire air cleaners
- Best sales support and training in the industry
- Promotions and in-home sales tools designed with dealer input

Adopt the New Standard on Every System You Install

- Protect your customers' investments and your reputation
- Build revenue with annual replacement business
- Keep your customers out of the big box stores
- Build customer satisfaction by offering the right air cleaner for their needs
- Differentiate your business as IAQ experts
- Eliminate nuisance calls from dirty one inch filters

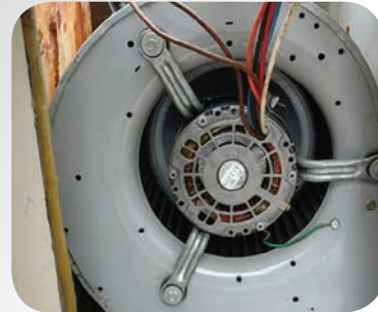
Aprilaire air cleaners protect expensive HVAC system's indoor A-coil to ensure long-term efficiency.

CONTRACTORS LOVE A CLEAN SYSTEM, TOO.

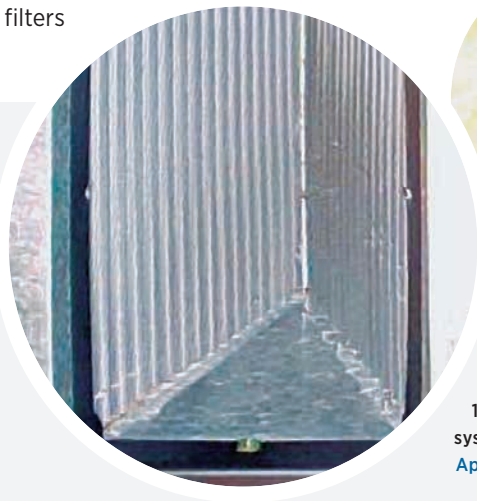
APRILAIRE REP

Marc, This is the Tempstar NUGK furnace I installed 22 years ago with Space-Gard 2200 air cleaner. Note how clean the blower and motor is. This was the original motor. Just replaced it with new Rheem R96V furnace with new 2410. Thanks for the great product.

—Rob Peters, Peters Refrigeration, Heating & Cooling



Thank you, Mr. Peters!






Indoor A-coil in a 10-year-old HVAC system that used a **one inch filter**

Indoor A-coil in a 10-year-old HVAC system that used an **Aprilaire air cleaner**






The Right Media for Every Homeowner's Needs

Aprilaire offers high-efficiency air cleaners for every homeowner. Whether a homeowner would like to see less dust on the coffee table or needs relief from the symptoms of serious respiratory illness, Aprilaire has the right filtration level for their needs.

Aprilaire Media Efficiency Comparisons

		HVAC EQUIPMENT PROTECTION	POLLEN	MOLD SPORES	BACTERIA, FUNGI	PET DANDER, DUST	TOBACCO SMOKE	SMOG	VIRUS	ASTHMA TRIGGERS (ULTRAFINE PARTICLES)
ALLERGY & ASTHMA	 <p>ELECTRONIC AIR CLEANER</p> <p>The highest performing filtration available. For severe respiratory conditions, these products trap airborne viruses and harmful ultrafine particles.</p>									
HEALTHY HOME	 <p>MERV 13 MEDIA</p> <p>Particulate removal levels for consumers looking for added protection from irritating allergy triggers like pollen, fungi, pet dander and smog.</p>									
CLEAN HOME	 <p>MERV 11 MEDIA</p> <p>Designed for homeowners who want to reduce pollen, mold, dust and pet dander in indoor air.</p>									
	<p>TRADITIONAL 1" FILTER</p>									

Air Cleaners for Every Customer

Series/Model	Customer Profile
 <div> 5000 EAC </div>	<p>Model 5000 electronically charges particles and permanently traps them better than any other air cleaner using 72 square feet of media. The Model 5000 customer is looking for optimal relief from severe respiratory conditions.</p>
 <div> 3000/ 2000 MERV 13 </div>	<p>The Model 3000 customer needs control and reassurance that the air cleaner is doing its job. Event-Based™ Air Cleaning gives you maximum control. This air cleaner's media performs at MERV 13, making it one of the highest performing on the market.</p> <p>The Model 3000/2000 customer is looking for cleaner, healthier air and relief from asthma and allergy triggers.</p>
 <div> 1000 MERV 11 or 13 with upgrade media </div>	<p>Model 1000 is a great inclusion option as part of an HVAC change out or in the residential new construction market. MERV 11 media is for homeowners who want to reduce pollen, mold, dust and pet dander.</p>
 <div> 1510 MERV 11 or 13 with upgrade media </div>	<p>Model 1510 is designed for low static pressure on high tonnage residential HVAC installations, including geothermal systems.</p>
 <div> 1610 Easy Install™ MERV 11 or 13 with upgrade media </div>	<p>Model 1610 Easy Install™ is designed specifically for retrofit applications. Easy installation replaces standard one inch filters in existing upflow HVAC systems with right or left returns.</p>



Media Upgrade Kit

Our Media Performance Upgrade Kit was designed to make older Aprilaire and Space-Gard air cleaner retrofits fast and easy. There are no tools required — simply assemble the inner housing and slide in the new filter.

Aprilaire upgrade kits with collapsible media and adjustable frames are also available to fit most Carrier, Lennox, Honeywell, Ultravation, General and Trion air cleaners. Please see page 11 for specific models.

Add More Value with These Up-Sell Control Options

Wi-Fi Thermostats with IAQ Control

In addition to better protection of health and HVAC system, homeowners also want more complete mobile control over the appliances in their home. With an Aprilaire Wi-Fi Thermostat and App consumers can control temperature, air purity and other aspects of indoor air quality from a single, intuitive app.

Aprilaire's 3-day weather forecast includes pollen and mold conditions to provide the information needed to determine when air cleaning is necessary.

Event-Based™ Air Cleaning

Exclusive to Aprilaire products, Event-Based™ Air Cleaning replaces the standard "FAN" button on your thermostat. Cycle through built-in events based on frequency, seasonal triggers and environmental conditions. If someone in your home is suffering from allergies, there's a setting for that. If you're kicking up dust while vacuuming, there's a setting to address that too. Give your customers convenient, instant control over indoor air quality at the push of a button.



Model 8920W

- + Universal 3H/3C or 4H/2C HP
- + Event-Based™ Air Cleaning
- + Humidity and Ventilation
- + 2 Part - 3-Wire design
- + Full color Wi-Fi touch screen



Model 8910W/8910

- + Universal 3H/3C or 4H/2C HP
- + Event-Based™ Air Cleaning
- + Humidity and Ventilation
- + 2 Part - 3-Wire design
- + Touch screen display
- + Wi-Fi (W)



Model 8620W/8620

- + Universal 2H/2C or 4H/2C HP
- + Event-Based™ Air Cleaning
- + Humidity or Ventilation
- + Touch screen display
- + Wi-Fi (W)



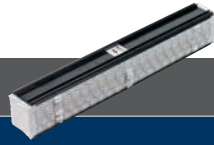
Model 8476W/8476

- + Universal 2H/2C or 4H/2C HP
- + Event-Based™ Air Cleaning
- + Wi-Fi (W)

Air Cleaner and Media Specifications



Media Specifications



EAC
MERV 13
MERV 11
MERV 10

REPLACEMENT MEDIA				
Media No.	Used with Aprilaire Air Cleaner Models	Nominal Size (in inches)	Static Pressure Drop (in. w.c.) @ 1200 CFM	Maximum Airflow Capacity* (in CFM)
501	5000	16" x 25"	0.14	2000
113	1110	16" x 20"	0.29	1200
213	1210, 2210, 3210, 4200**	20" x 25"	0.15	2000
313	1310, 2310, 3310, 4300**	20" x 20"	0.23	1200
413	1410, 1610, 2410, 3410, 4400**	16" x 25"	0.17	2000
513	1510	31" x 28"	0.07	3000
110	1110	16" x 20"	0.20	1200
210	1210, 2210, 3210, 4200**	20" x 25"	0.11	2000
310	1310, 2310, 3310, 4300**	20" x 20"	0.19	1200
410	1410, 1610, 2410, 3410, 4400**	16" x 25"	0.12	2000
510	1510	31" x 28"	0.05	3000
201	2200 Space-Gard, 2200 Aprilaire	20" x 25"	0.14	2000
401	2400 Space-Gard, 2400 Aprilaire	16" x 25"	0.14	2000

MERV 13

UPGRADE KITS					
Media No.	Used With Space-Gard & Aprilaire Air Cleaner Models	Nominal Size (in inches)	Included Media	Static Pressure Drop (in. w.c.) @ 1200 CFM	Maximum Airflow Capacity* (in CFM)
1213	2200**	20" x 25"	213	0.15	2000
1413	2400**	16" x 25"	413	0.17	2000

REMOVAL EFFICIENCY (Based on Particle Size)			
	0.3-1.0 Microns	1.0-3.0 Microns	3.0-10 Microns
EAC	89%	95%	98%
MERV 13	63%	88%	93%
MERV 11	37%	67%	92%
MERV 10	22%	56%	92%

*For additional air flow capacities refer to model series specifications.
**Air cleaner models no longer available.

Test Method - EAC - AHRI 680-2009, MERV 10-13 - ASHRAE 52.2.2012

APRILAIRE MEDIA FOR COMPETITIVE AIR CLEANERS

Media No.	Used with Models		Nominal Size (in inches)	Static Pressure Drop (in. w.c.) @ 1200 CFM	Maximum Airflow Capacity* (in CFM)
613	Carrier EZXCAB 1016 Honeywell F-100 16 x 25 Honeywell F-200 16 x 25 Lennox HCC16-28	Ultravation 90-006 General MAC 1400 Trion 455602-119	16" x 25"	0.17	2000
813	Carrier EZXCAB 1020 Honeywell F-100 20 x 25 Honeywell F-200 20 x 25 Lennox HCC20-28	Ultravation 90-007 General MAC 2000 Trion 455602-019 & 45900-005	20" x 25"	0.15	2000
610	Carrier EZXCAB 1016 Honeywell F-100 16 x 25 Honeywell F-200 16 x 25 Lennox HCC16-28	Ultravation 90-006 General MAC 1400 Trion 455602-119	16" x 25"	0.12	2000
810	Carrier EZXCAB 1020 Honeywell F-100 20 x 25 Honeywell F-200 20 x 25 Lennox HCC20-28	Ultravation 90-007 General MAC 2000 Trion 455602-019 & 45900-005	20" x 25"	0.11	2000

PRESSURE DROP CHART

Media No.	Static Pressures at Variable CFM (in. w.c.)														
	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
501	0.02	0.04	0.05	0.08	0.10	0.14	0.17	0.21	0.25	0.29	-	-	-	-	-
113	0.03	0.07	0.11	0.16	0.22	0.29	-	-	-	-	-	-	-	-	-
213	0.02	0.04	0.06	0.09	0.12	0.15	0.19	0.23	0.27	0.31	-	-	-	-	-
313	0.03	0.05	0.09	0.13	0.17	0.23	-	-	-	-	-	-	-	-	-
413	0.02	0.05	0.07	0.10	0.14	0.17	0.22	0.26	0.31	0.37	-	-	-	-	-
513	0.01	0.02	0.04	0.05	0.05	0.07	0.08	0.10	0.11	0.13	0.15	0.17	0.18	0.20	0.23
613	0.02	0.05	0.07	0.10	0.14	0.17	0.22	0.26	0.31	0.37	-	-	-	-	-
813	0.02	0.04	0.06	0.09	0.12	0.15	0.19	0.23	0.27	0.31	-	-	-	-	-
110	0.02	0.05	0.06	0.10	0.14	0.20	-	-	-	-	-	-	-	-	-
210	0.02	0.03	0.04	0.06	0.08	0.11	0.13	0.16	0.19	0.22	-	-	-	-	-
310	0.02	0.04	0.06	0.10	0.14	0.19	-	-	-	-	-	-	-	-	-
410	0.02	0.03	0.05	0.07	0.09	0.12	0.15	0.19	0.22	0.27	-	-	-	-	-
510	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.19
610	0.02	0.03	0.05	0.07	0.09	0.12	0.15	0.19	0.22	0.27	-	-	-	-	-
810	0.02	0.03	0.04	0.06	0.08	0.11	0.13	0.16	0.19	0.22	-	-	-	-	-
201	0.02	0.04	0.05	0.08	0.10	0.14	0.17	0.21	0.25	0.29	-	-	-	-	-
401	0.02	0.04	0.05	0.08	0.10	0.14	0.17	0.21	0.25	0.29	-	-	-	-	-

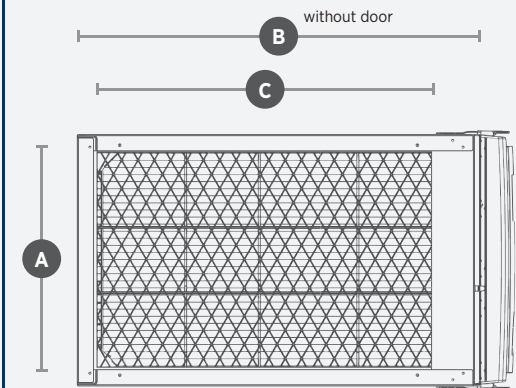
5000 ELECTRONIC AIR CLEANER

MODEL 5000 SPECIFICATIONS AND SIZING SUMMARY

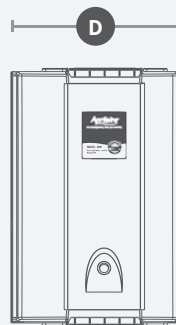
Nominal Size	Shipping Weight	Replacement Media	Filtering Media Area
16" x 25"	38 lbs.	Model 501	72.3 sq. ft.



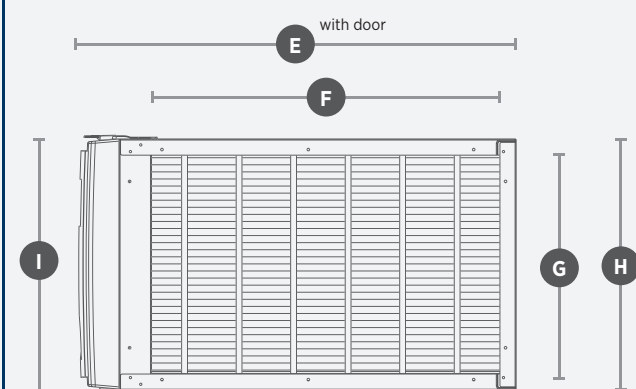
Inlet Side Return Duct Connection



Front



Outlet Side Furnace Connection



The Model 5000 greatly minimizes airborne contaminants that can aggravate allergies as well as asthma, cold and flu symptoms. Captures 89% of particles 0.3-1 micron in size and 98% of particles 3-10 microns in size.

Comes with Model 8476 Universal Programmable (4H/2C) Thermostat with Event-Based™ Air Cleaning

FEATURES

- + Silent operation — none of the “snapping” or “popping” that’s common with plate-type EACs
- + Minimal maintenance required — simply replace media annually
- + Made of corrosion-resistant heavy gauge galvanized steel
- + UL classified cabinet and media
- + Load rated up to 400 lbs.
- + 5-year warranty on cabinet from date of installation

BENEFITS

- + Captures 89% of particles 0.3-1 micron in size and 98% of particles 3-10 microns in size
- + Offers equipment protection from dust buildup
- + Assured equipment performance
- + Media revenue — HVAC channel only
- + Superior performance over one inch panel filters and four inch cartridge filters

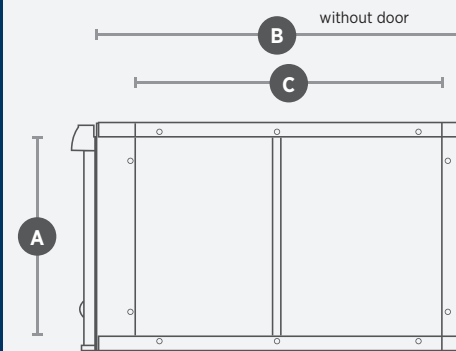
Dimension	Description	Model 5000
A	Inlet Opening Height	15 1/2" (394mm)
B	Outer Housing Depth without Door & Clips	28 1/8" (714mm)
C	Inlet Opening Width	23 7/8" (606mm)
D	Unit Width	12" (305mm)
E	Outer Housing Depth with Door & Clips	31" (787mm)
F	Outlet Opening Width	24 5/8" (625mm)
G	Outlet Opening Height	15 1/2" (394mm)
H	Unit Height at Back	17 3/4" (451mm)
I	Unit Height at Front	18 3/8" (467mm)

3000/2000 Series WHOLE-HOME AIR CLEANERS

3000/2000 SERIES SPECIFICATIONS AND SIZING SUMMARY

Model		Nominal Size	Shipping Weight		Replacement Media	
					Ships With	Also Uses
3210	2210	20" x 25"	18.6 lbs.	18 lbs.	Model 213	Model 210
3310	2310	20" x 20"	15.6 lbs.	15 lbs.	Model 313	Model 310
3410	2410	16" x 25"	17.6 lbs.	17 lbs.	Model 413	Model 410

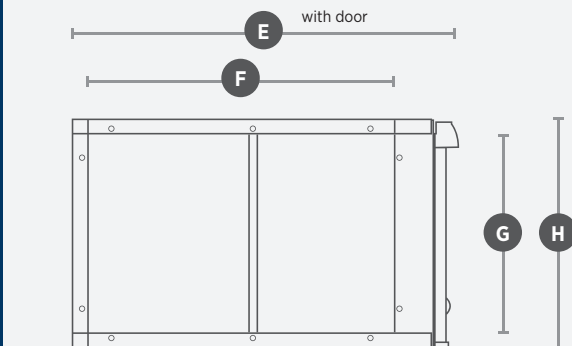
Inlet Side Return Duct Connection



Front



Outlet Side Furnace Connection



Dim.	Description	Model		
		2210/3210	2310/3310	2410/3410
A	Inlet Opening Height	19 3/4" (502mm)	18 1/8" (459mm)	15 1/8" (392mm)
B	Outer Housing Depth without Door	25 3/8" (645mm)	20 1/8" (509mm)	28 1/8" (713mm)
C	Inlet Opening Width	21 3/8" (538mm)	15 7/8" (403mm)	23 7/8" (606mm)
D	Unit Width	6 3/4" (171mm)	6 3/4" (171mm)	6 3/4" (171mm)
E	Outer Housing Depth with Door	27 3/8" (695mm)	22 1/8" (560mm)	30 1/8" (763mm)
F	Outlet Opening Width	21 3/8" (538mm)	15 7/8" (403mm)	23 7/8" (606mm)
G	Outlet Opening Height	19 3/4" (502mm)	18 1/8" (459mm)	15 1/8" (392mm)
H	Unit Height	22 1/8" (560mm)	20 3/8" (518mm)	17 3/4" (451mm)



The Model 3000 and 2000 series air cleaners are shipped with MERV 13 media, so they can trap particles that are smaller than one micron.

3000 Series Air Cleaners include our Model 8476 Thermostat with Event-Based™ Air Cleaning, which gives homeowners on-demand control.

FEATURES

- + Ships with MERV 13 filter
- + Can use MERV 11 filter with simple media change
- + Minimal maintenance required — simply replace media annually
- + Made of corrosion-resistant heavy gauge pre-painted steel
- + Proprietary door design and Self-Seal™ media virtually eliminates air bypass, delivering MERV performance as rated
- + UL classified cabinet and media
- + Load rated up to 400 lbs.
- + 5-year warranty on cabinet from date of installation

BENEFITS

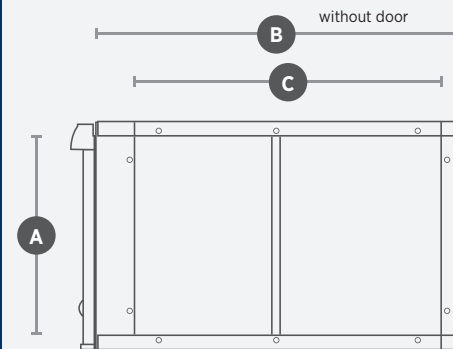
- + Offers equipment protection from dust buildup
- + Assured equipment performance
- + Media revenue — HVAC channel only
- + Superior performance over one inch panel filters and four inch cartridge filters
- + 3000 Series air cleaner and thermostat packaged for easier whole-system installation

1000 Series WHOLE-HOME AIR CLEANER

1000 SERIES SPECIFICATIONS AND SIZING SUMMARY

Model	Nominal Size	Shipping Weight	Replacement Media	
			Ships With	Upgrade To
1110	16" x 20"	13 lbs.	Model 110	Model 113
1210	20" x 25"	18 lbs.	Model 210	Model 213
1310	20" x 20"	15 lbs.	Model 310	Model 313
1410	16" x 25"	17 lbs.	Model 410	Model 413

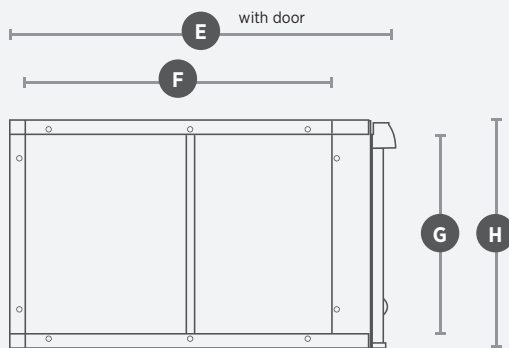
Inlet Side Return Duct Connection



Front



Outlet Side Furnace Connection



Dim.	Description	Model			
		1110	1210	1310	1410
A	Inlet Opening Height	15 1/8" (392mm)	19 3/4" (502mm)	18 1/8" (459mm)	15 3/8" (392mm)
B	Outer Housing Depth without Door	20 1/8" (509.5mm)	25 3/8" (645mm)	20 1/8" (509.5mm)	28 1/8" (713mm)
C	Inlet Opening Width	17 3/8" (441mm)	21 3/8" (538mm)	15 7/8" (403mm)	23 3/8" (606mm)
D	Unit Width	6 3/4" (171mm)	6 3/4" (171mm)	6 3/4" (171mm)	6 3/4" (171mm)
E	Outer Housing Depth with Door	22 1/8" (560mm)	27 3/8" (695mm)	22 1/8" (560mm)	30 1/8" (763mm)
F	Outlet Opening Width	17 3/8" (441mm)	21 3/8" (538mm)	15 7/8" (403mm)	23 3/8" (606mm)
G	Outlet Opening Height	15 1/8" (392mm)	19 3/4" (502mm)	18 1/8" (459mm)	15 3/8" (392mm)
H	Unit Height	17 3/4" (451mm)	22 3/8" (560mm)	20 3/8" (518mm)	17 3/4" (451mm)



With multiple sizes and narrow profile, Aprilaire has the right solution for any application, including new installs, system replacements or add-ons.

Protect equipment, reduce callbacks and grow revenue with our patented media.

FEATURES

- + Ships with MERV 11 filter
- + Can be upgraded to MERV 13 filter with simple media change
- + Minimal maintenance required — simply replace media annually
- + Made of corrosion-resistant heavy gauge galvanized steel
- + Proprietary door design and Self-Seal™ media virtually eliminates air bypass, delivering MERV performance as rated
- + UL classified cabinet and media
- + Load rated up to 400 lbs.
- + 5-year warranty on cabinet from date of installation

BENEFITS

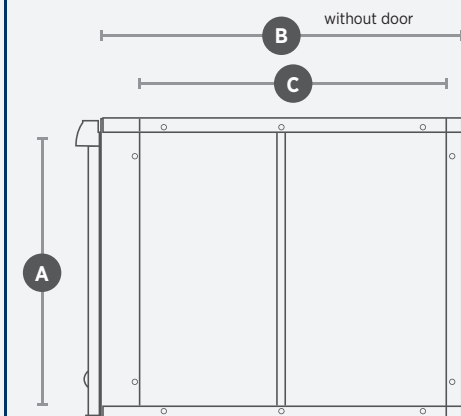
- + Offers equipment protection from dust buildup
- + Assured equipment performance
- + Media revenue — HVAC channel only
- + Superior performance over one inch panel filters and four inch cartridge filters

1510 LOW-RESISTANCE WHOLE-HOME AIR CLEANER

MODEL 1510 SPECIFICATIONS AND SIZING SUMMARY

Model	Nominal Size	Shipping Weight	Replacement Media	
			Ships With	Upgrade To
1510	31" x 28"	23.3 lbs.	Model 510	Model 513

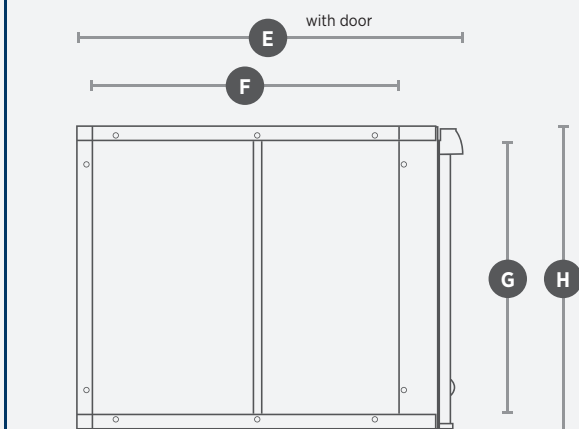
Inlet Side Return Duct Connection



Front



Outlet Side Furnace Connection



Dimension	Description	Model 1510
A	Inlet Opening Height	28 ²³ / ₃₂ " (730mm)
B	Outer Housing Depth without Door	28 ¹ / ₁₆ " (712mm)
C	Inlet Opening Width	23 ⁷ / ₈ " (607mm)
D	Unit Width	6 ³ / ₄ " (171mm)
E	Outer Housing Depth with Door	30 ¹ / ₁₆ " (763mm)
F	Outlet Opening Width	23 ⁷ / ₈ " (606mm)
G	Outlet Opening Height	28 ²³ / ₃₂ " (730mm)
H	Unit Height	31" (788mm)



The Model 1510 is designed for low static pressure on higher tonnage residential HVAC installations including geothermal systems.

FEATURES

- + Ships with MERV 11 filter
- + Can be upgraded to MERV 13 filter with simple media change
- + Minimal maintenance required — simply replace media annually
- + Made of corrosion-resistant heavy gauge galvanized steel
- + Proprietary door design and Self-Seal™ media virtually eliminates air bypass, delivering MERV performance as rated
- + UL classified cabinet and media
- + Load rated up to 400 lbs.
- + 5-year warranty on cabinet from date of installation

BENEFITS

- + Eliminates the need for multiple air cleaners on a single system
- + Offers equipment protection from dust buildup
- + Assured equipment performance
- + Media revenue — HVAC channel only
- + Superior performance over one inch panel filters and four inch cartridge filters

1610 EASY INSTALL WHOLE-HOME AIR CLEANER

MODEL 1610 SPECIFICATIONS AND SIZING SUMMARY

Model	Nominal Size	Shipping Weight	Replacement Media	
			Ships With	Upgrade To
1610	16" x 25"	22 lbs.	Model 410	Model 413



The Model 1610 is designed for easy installation in upflow HVAC systems with right or left returns. It features built-in ductwork for applications that require a 90° duct adapter and an 8-10" adjustable return opening.

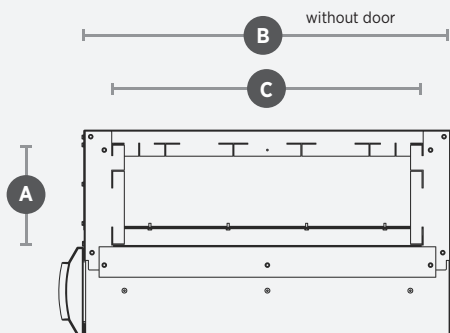
FEATURES

- + Ships with MERV 11 filter
- + Can be upgraded to MERV 13 filter with simple media change
- + Easily converts to right or left side by reversing door and back plate
- + Includes metal tabs for securing the air cleaner frame to the furnace or air handler
- + Minimal maintenance required — simply replace media annually
- + Recommended max. airflow of 2000 CFM
- + Made of corrosion-resistant heavy gauge pre-painted steel
- + Proprietary door design and Self-Seal™ media virtually eliminates air bypass, delivering MERV performance as rated
- + UL classified cabinet and media
- + 5-year warranty on cabinet from date of installation

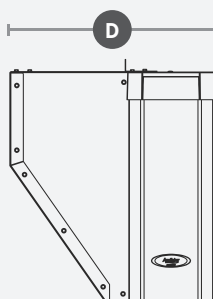
BENEFITS

- + Reduced installation time — no need for field-formed transitions
- + Offers equipment protection from dust buildup
- + Assured equipment performance
- + Media revenue — HVAC channel only
- + Superior performance over one inch panel filters and four inch cartridge filters

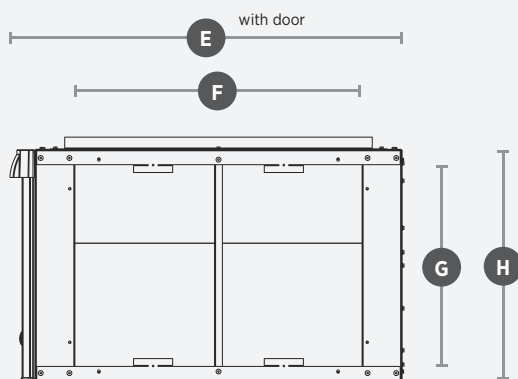
Inlet Return Duct Connection (Top View)



Front



Outlet Side Furnace Connection



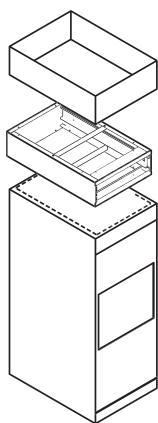
Dimension	Description	Model 1610
A	Inlet Opening Width	8 3/32" to 10 3/32" (206-257mm)
B	Outer Housing Depth without Door	28 3/16" (716mm)
C	Inlet Opening Depth	24 3/32" (612mm)
D	Unit Width	15 1/16" (399mm)
E	Outer Housing Depth with Door	30 3/32" (765mm)
F	Outlet Opening Width	22" (559mm)
G	Outlet Opening Height	15 1/2" (394mm)
H	Unit Height	17 13/16" (452mm)

Application Guidance

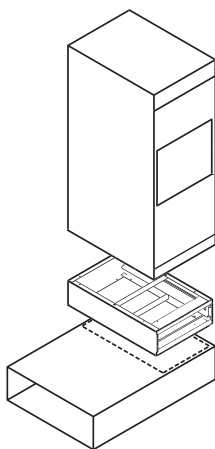


Application Guidance

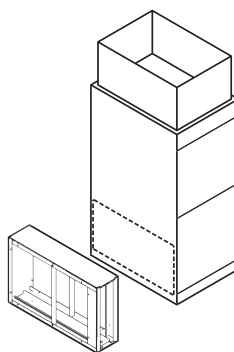
Aprilaire's award-winning line up of air cleaners are configured based upon the many different air handler cabinet sizes. No matter if it's a downflow, upflow, horizontal, two, three or five ton system, Aprilaire has the size to make installation easy.



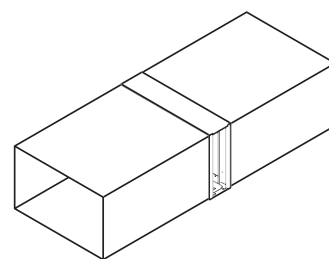
Top Mount



Bottom Mount



Side Mount



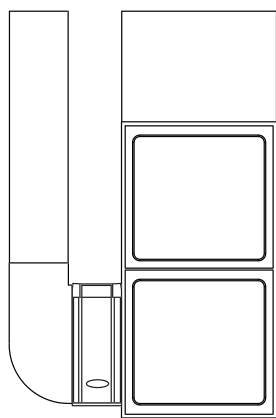
Horizontal Mount

Nominal Sizes

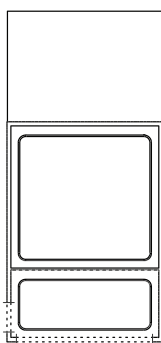
16" x 20"
16" x 25"
20" x 20"
20" x 25"

It's All About Airflow

Equipment cabinet sizes are getting smaller. Use the smaller size cabinet as an opportunity to increase airflow.

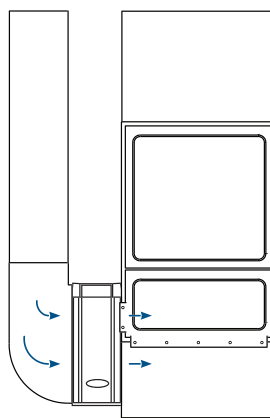


15-Year-Old Cabinet



New, Shorter Cabinet

Lift air cleaner and cut out
top and bottom air discharge

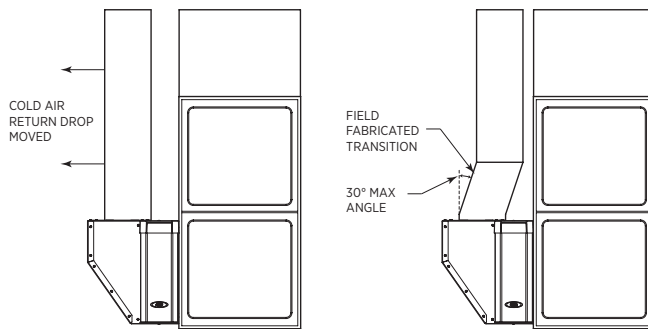


Adjusted Cabinet

Insert return air box below
cabinet for increased airflow

*Use the same
air cleaner and
ductwork with
increased airflow.*

Contractors have done the math. Using the Model 1610 with a factory attached transition is cost effective, and there is no need to purchase a separate transition.



► BENEFITS

- + Minimizes distance from the air handler for tight install (water heater)
- + Perfect when return is close to air handler, when replacing 1" or 2" panel filter slots
- + Converts easily to right or left side
- + Unique air inlet tab adjusts to multiple duct sizes

High Tonnage Systems and Geothermal

The system pressures of these applications require very low resistance. Historically, contractors stack air cleaners. The Aprilaire Model 1510 is specifically designed for these applications.

