



Model 1610 & 1620

Easy Install™



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Product Info & Digital Manual

SAFETY INSTRUCTIONS

WARNING

- · ATTENTION INSTALLER: Read this manual before installing. Improper installation or maintenance may cause property damage or injury. It is recommended that installation, service, and maintenance be performed by a trained service technician. This product must be installed in compliance with all local, state, and federal codes.
- ELECTRIC SHOCK HAZARD: 120 volts may cause serious injury from electric shock. Disconnect electrical power to the HVAC system before starting installation or servicing. Leave power disconnected until installation/service is completed.

A CAUTION

- SHARP EDGES MAY CAUSE INJURY FROM CUTS. Use care when cutting plenum openings and handling ductwork. Always wear glasses/goggles and gloves when installing
- · Dropping may cause personal injury or equipment damage. Handle with care and follow installation instructions.

NOTICE

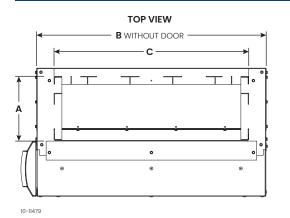
EQUIPMENT DAMAGE MAY OCCUR IF INSTALLATION INSTRUCTIONS ARE NOT FOLLOWED.

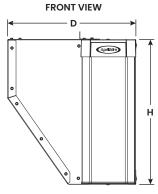
- Do not install the air cleaner on the warm air supply or in an area where the temperature may exceed 140°F. This may include areas above heat exchangers in downflow furnaces or above exhaust flues in lowboy furnace cold air returns.
- Do not install air cleaner downstream of a UV light. UV lamps will cause degradation of the filtering media.

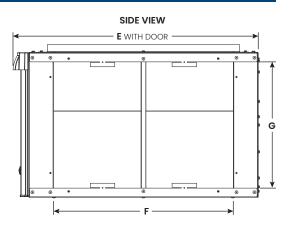
SPECIFICATIONS

	AIR CLEANER MODEL					
	1610	1620				
Replacement Air Filter Model	410, 413, 413CBN or 416 with Self-Seal™	210, 213, 213CBN or 216 with Self-Seal				
Airflow Capacity	Up to 2000 CFM maximum					
Air Cleaner Operating Environment	Temperature: 0°F-140°F; Humidity: 0-90% non-condensing					

DIMENSIONS (INCHES)





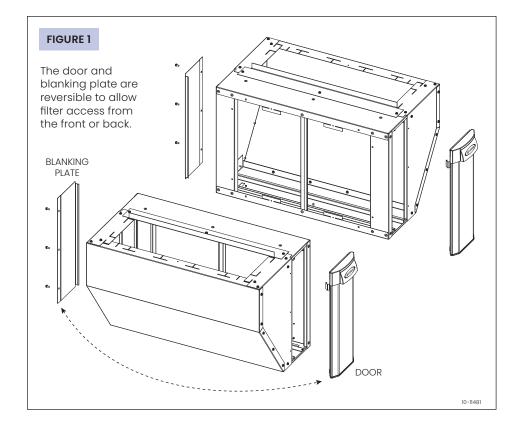


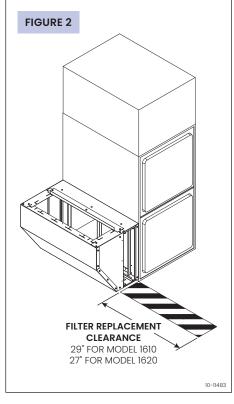
MODEL	Α	В	С	D	E	F	G	Н
1610	8-3/32" to 10-3/32"	28-3/16"	23-7/8"	15-11/16"	30-3/16"	22"	15-1/2"	17-13/16"
1620	8-3/32" to 10-3/32"	25-3/8"	21-3/32"	15-11/16"	27-3/8"	19-5/16"	19-3/4"	22-1/8"

INSTALL THE AIR CLEANER CABINET

LOCATING THE AIR CLEANER

- 1. The air cleaner can be mounted on the right or left side of the HVAC equipment (FIGURE 1).
- 2. The door can be facing the front or rear of the HVAC equipment cabinet (FIGURE 1).
- 3. The door and blanking plate are reversible to allow filter access from the front or rear of the HVAC equipment cabinet (FIGURE 1).
- 4. Leave sufficient space for the removal of the filtering media (FIGURE 2).

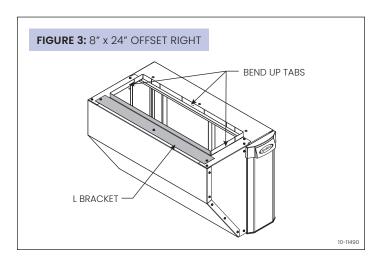


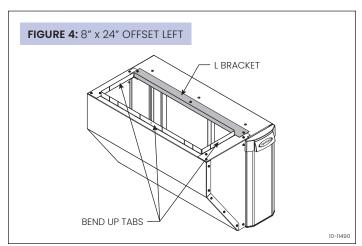


EASY TO INSTALL AIR CLEANER FEATURES

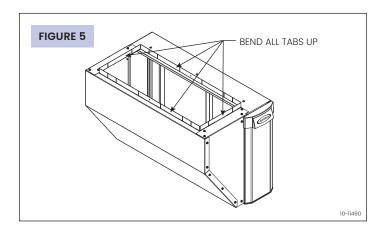
The air cleaner has many features to make retrofit easier:

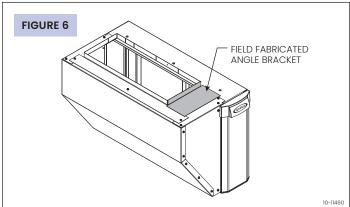
1. The cold air return opening is adjustable between 8" and 10". This is done by bending up the appropriate tabs. The 8" dimension can be offset to the right or left by moving the "L" bracket to either side to match up with the location of the return drop (FIGURES 3 & 4).

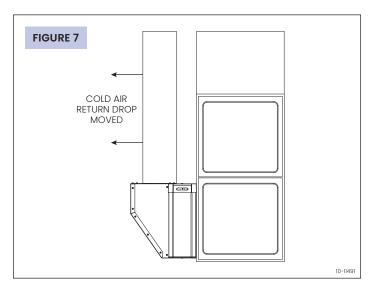


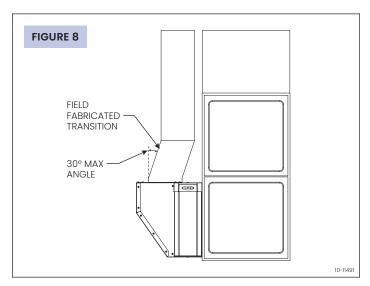


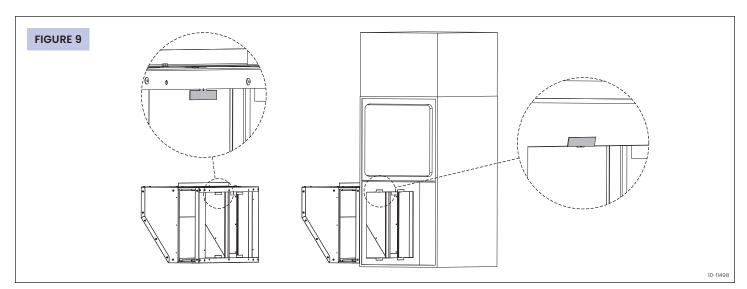
- 2. The "L" bracket can removed to form a 10"x 24" drop opening (FIGURE 5).
- 3. If the cold air drop is less than 24 inches deep an angle bracket can be field fabricated and installed to reduce the drop width (FIGURE 6).
- 4. The cold air return can be moved into position over the top of the air cleaner (FIGURE 7) or transition pieces field fabricated (FIGURE 8).
- 5. Four tabs are located on the outlet side of the air cleaner. These tabs can be bent into the cold air return opening on the HVAC equipment to hold the air cleaner in position during installation (FIGURE 9).











INSTALLATION

1. Disconnect power to the furnace or air handler at the electrical service panel.

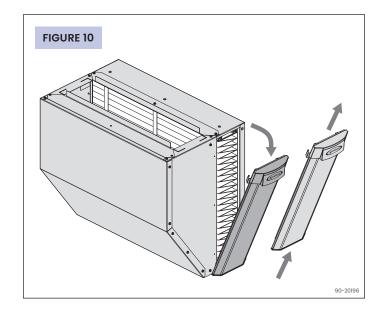
WARNING

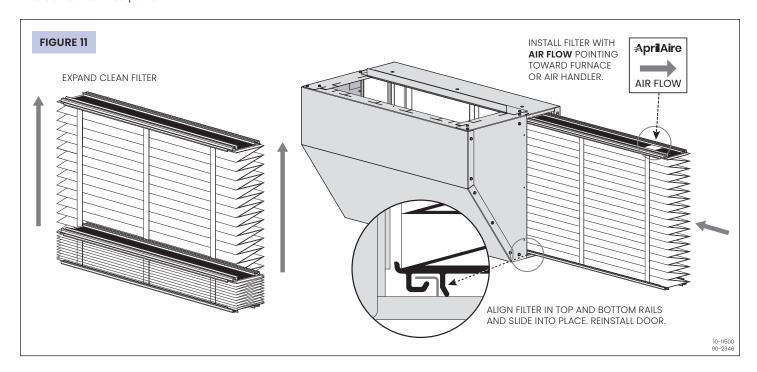
ELECTRIC SHOCK HAZARD: 120 volts may cause serious injury from electric shock. Disconnect electrical power to the HVAC system before starting installation or servicing. Leave power disconnected until installation/service is completed.

- 2. Remove the air cleaner door from the outer housing and pull out the filter (see FIGURE 10).
- 3. If replacing an existing filter, remove the filter and thoroughly clean the blower compartment.
- 4. Determine which side of the furnace the air cleaner cabinet will be mounted to and set up the blanking plate accordingly.
- 5. Determine the cold air return drop sizing and location and bend up tabs on the top of the air cleaner cabinet accordingly.
- 6. Use the tabs to fix the air cleaner cabinet to the opening in the furnace. Use screws (field supplied) to mount the unit to the furnace/air handler.
- 7. Mount the return ductwork over the bent-up flanges on the top of the air cleaner cabinet with sheet metal screws (field supplied).
- 8. Seal all connections using mastic, foil tape, or silicone based
- 9. Install the filter (see FIGURE 11).

10. Install the door.

11. Reconnect power to the furnace or air handler at the electrical service panel.





OPERATION

When you choose a genuine AprilAire Whole-House Air Cleaner, you're choosing Healthy Air. Your air cleaner is specifically engineered to work with your AprilAire Air Filter to remove harmful particulates from your home's air such as mold, pet dander, airborne viruses, pollen, and odors. Your genuine AprilAire Air Filter is designed for a perfect fit inside your AprilAire Air Cleaner and with this AprilAire Pure Fit Promise, delivering Healthy Air to your entire home has never been easier.

The AprilAire Pure Fit Promise combines patented Self-Seal **Technology**, reducing bypass and improving filter performance, with our patented Interlock Rail System, meaning your high-performance air filter works in your air cleaner without assembly or cardboard or metal reinforcements.

Not only do our air filters ensure healthy air, they also help protect your HVAC equipment against dirt and dust buildup which can hinder performance. AprilAire is proud to provide the Clean-Coil Commitment with your AprilAire Whole-House Air Cleaner and Air Filter. Should your new indoor air conditioner coil require professional cleaning in the next 10 years, AprilAire will pay \$100 toward the cost of having the coil cleaned by an HVAC contractor. For full details, please visit aprilaire.com/ clean coil or call 800.334.6011.

Please take a few minutes to read this manual and familiarize yourself with the product features and important routine maintenance. Be sure to register your product at aprilaire. com/warranty.

PERFORMANCE

An AprilAire Whole-House Air Cleaner is installed by your contractor as one of the components in your heating, ventilation, and air conditioning (HVAC) system to clean the air that circulates through your home. When the HVAC equipment turns on, the air in your home travels through the registers and return duct(s) to the HVAC equipment where it is conditioned and sent back into the rooms of your house through the supply ducts.

Airborne contaminants in the home include those from natural sources such as dust and pollen and from man-made sources such as tobacco smoke or exhaust. Removing these particles keeps the HVAC equipment components clean and, more importantly, helps ensure Healthy Air throughout the entire home.

Continuous air cleaning with your AprilAire Whole-House Air Cleaner will be accomplished when your thermostat is set for continuous air circulation ("Fan On"). If continuous air cleaning is not required, or desired, set your thermostat to "Fan Auto".

MAINTENANCE

Regular replacement of the filter is very important to keeping your HVAC system clean and preventing damage to it. For effective whole-home air purification, your AprilAire Air Cleaner requires genuine AprilAire Replacement Filters.

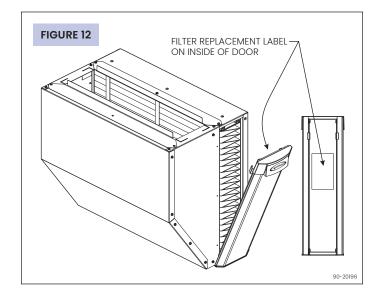
AprilAire recommends replacing your filter every 6-12 months depending on the filter model. Your contractor may recommend more frequent filter replacement depending on HVAC system operation time and the amount of people in the home and their activities. The size of the home, amount of carpet, number of pets or smokers, and pollution level in your area all may contribute to your maintenance schedule.

CHANGING THE FILTERS

Replace the filter with genuine AprilAire Filters designed for your AprilAire Air Cleaner. IMPORTANT: Follow the step by step directions on the filter carton to ensure that it is installed in the proper orientation - the outlet side of the filter is the expanded metal.

The model number of your replacement filter can be found on the label inside of the air cleaner door (see FIGURE 12) along with other options for upgrading your filtration.

IMPORTANT: Turn the thermostat mode to off and the fan to auto before removing air cleaner door.

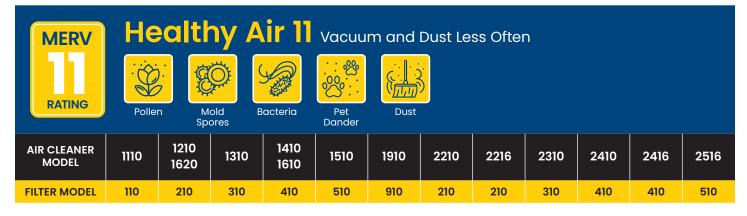


REPLACEMENT FILTERS

Healthy Air 16 Removes up to 99%* of Allergy and Asthma Triggers MER\ Pollen Mold Bacteria Pet Dust Dust Mite Tobacco **Spores** Dander Smoke AIR CLEANER 1210 1410 1110 1310 1910 2210 2216 2310 2410 2416 2516 1510 MODEL 1620 1610 **FILTER MODEL** n/a 216 n/a 416 n/a 216 216 n/a 416 416 516 516







^{*}Contaminants removed based on air passing through the filtering system.



REMOVAL EFFICIENCY (BASED ON PARTICLE SIZE)

	0.3-1.0 Microns	1.0-3.0 Microns	3.0-10.0 Microns
MERV 16	95%	98%	99%
MERV 13	63%	88%	93%
MERV 11	37%	67%	92%

Test Method: MERV 11-16 - ASHRAE 52.2.2017, EAC - AHRI 680-2017

APRILAIRE 10-YEAR CLEAN COIL COMMITMENT

Should your new indoor air conditioner coil require professional cleaning in the next 10 years, AprilAire will pay \$100 toward the cost of having the coil cleaned by a licensed contractor. AprilAire Air Cleaners are so effective at removing particles and contaminants that are harmful to your family and your HVAC equipment, we offer you this guarantee. For full details, please visit aprilaire.com/cleancoil or call 800.334.6011.

LIMITED WARRANTY

Terms of Coverage

Your AprilAire® Air Cleaner is expressly warranted to be free from defects in materials or workmanship for five (5) years from date of purchase.

What Is Covered

The exclusive obligation of AprilAire under this Limited Warranty shall be, at the sole discretion of AprilAire, to supply, without charge, a replacement for any component or product which is found to be defective. A defective part will be replaced pursuant to this Limited Warranty with a genuine AprilAire part. A defective product will be replaced pursuant to this Limited Warranty with a new AprilAire product of equal or similar features and functionality if the original product has been discontinued or is no longer available.

Not Covered by the Limited Warranty

- Consumable or maintenance products, such as, but not limited to: Air Filters, Evaporative Humidifier Water Panels, Steam Canisters, or Steam Humidifier Flectrode Wires.
- Labor charges, shipping costs, removal fees, service fees, or reinstallation costs.
- Damage caused by misuse, abuse, or improper installation due to failing to install the product in accordance with the instructions provided.
- Damage to HVAC equipment caused by improper installation(s) or misapplication installation(s).
- Extended warranties or satisfaction guarantees offered by third parties.
- Cosmetic damage or normal wear and tear, including, but not limited to: scratches, peeling finish, or dents that do not impede the mechanical functionality of the product.
- Damage caused by acts of nature, including but not limited to: fire, collision, flood, wind, power surge, lighting strike, or mold.
- Damage caused during transit.
- Damage caused during installation due to failure to follow local, state, or federal laws, statutes, codes, or ordinances.
- Defects in materials furnished by the installer.

Limit of Liability

IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE AFOREMENTIONED EXPRESS WARRANTY PERIOD. APRILAIRE LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, OTHER THAN DAMAGES FOR PERSONAL INJURIES, RESULTING FROM ANY BREACH OF THE AFOREMENTIONED IMPLIED WARRANTIES OR THE ABOVE LIMITED WARRANTY IS EXPRESSLY EXCLUDED. THIS LIMITED WARRANTY IS VOID IF DEFECT(S) RESULT(S) FROM FAILURE TO INSTALL THE PRODUCT ACCORDING TO THE APRILAIRE INSTALLATION INSTRUCTIONS. IF THE LIMITED WARRANTY IS VOID DUE TO MISAPPLICATION OR IMPROPER INSTALLATION, ALL DISCLAIMERS OF IMPLIED WARRANTIES SHALL BE EFFECTIVE UPON INSTALLATION.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation(s) may not apply to your situation. This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Register Your AprilAire® Product



Thank you for choosing AprilAire. Register your product at aprilaire.com/warranty to receive important updates and notifications, and to streamline the process in the unlikely event you file a claim.

Your warranty registration information will not be sold or shared outside of this company.

Make a Warranty Claim

For questions regarding the Limited Warranty or to initiate a claim, contact AprilAire Customer Service at 1.800.334.6011 Monday through Friday, 7:00 a.m. – 5:00 p.m. Central Time.

At the sole discretion of AprilAire, you may be required to: return the product not later than thirty (30) days after the warranty period to the place of purchase or (if directed) to AprilAire, contact a professional contractor to provide warranty service, submit a product for testing related to a warranty claim, and/or send pictures of the original product with the serial number (if applicable) to AprilAire Technical Support for inspection as a condition to reviewing a claim and/or receiving a replacement product under this Limited Warranty.

 $\label{lem:aprilAire} \mbox{AprilAire} \mbox{ is a registered trademark and division of Research Products Corporation}.$

