



Filter Grille Air Cleaner

Installation and Operating Instructions



READ AND SAVE THESE INSTRUCTIONS

WARNING

1. High voltage may cause serious injury from electrical shock. Disconnect power to the furnace/air handler before starting installation.
2. Sharp edges may cause injury from cuts. Use care when cutting and handling sheet metal.

CAUTION

1. To prevent component failure, 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.
2. Installation must be done by a qualified heating and air conditioning professional. Read instructions thoroughly before beginning installation.
3. Do not install air cleaner downstream of a UV light. UV lamps will cause degradation of the filter.

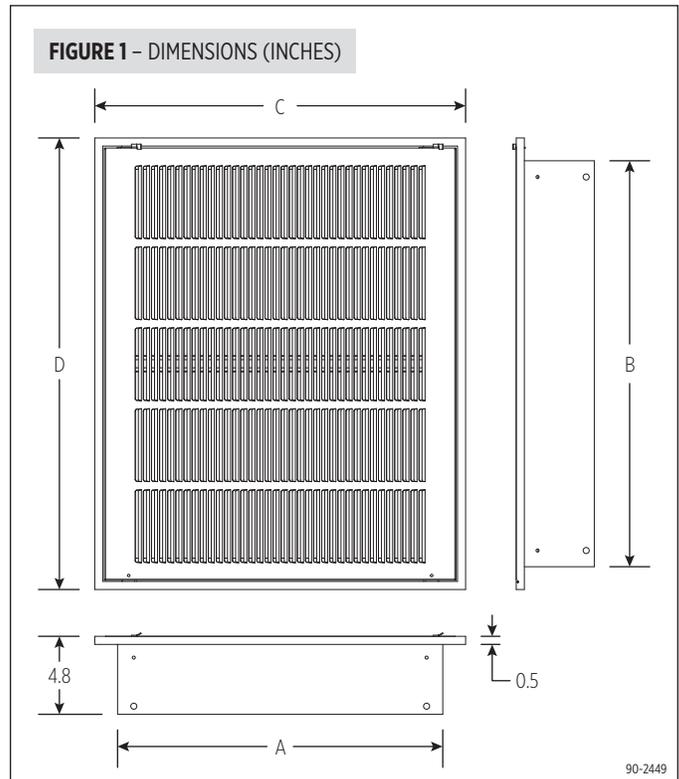
SPECIFICATIONS

Airflow Capacity	Up to 2000 CFM maximum
Replacement Filter	1625FG11: Model 610 or 613 with SelfSeal 2025FG11: Model 810 or 813 with SelfSeal 1625FG13: Model 613 with SelfSeal 2025FG13: Model 813 with SelfSeal
Air Cleaner Operating Environment	Temperature: 0°F to 140°F Humidity: 0-90% non-condensing

DIMENSIONS

DIM	DESCRIPTION	MODEL	
		1625FG	2025FG
A	Inner Frame Width	16-1/16"	20-1/16"
B	Inner Frame Length	25-1/16"	25-1/16"
C	Outer Frame Width	18-15/16"	22-15/16"
D	Outer Frame Length	27-15/16"	27-15/16"

FIGURE 1 - DIMENSIONS (INCHES)



Visit www.aprilaire.com for more information on filter performance.

LOCATING THE AIR CLEANER

1. Leave sufficient space in front of the air cleaner for the removal of the filter (see **FIGURE 2**).
2. **DO NOT INSTALL NEAR A UV LIGHT.** UV lamps will cause degradation of the filter.
3. **FIGURES 3 & 4** show typical applications.

TABLE 1 – RECOMMENDED RETURN BOX SIZING (FIELD SUPPLIED)

1625FG11/13	16.25" x 25.25" x 6" (min) with 14" round takeoff collar
2025FG11/13	20.25" x 25.25" x 6" (min) with 18" round takeoff collar

FIGURE 2 – FILTER CLEARANCE

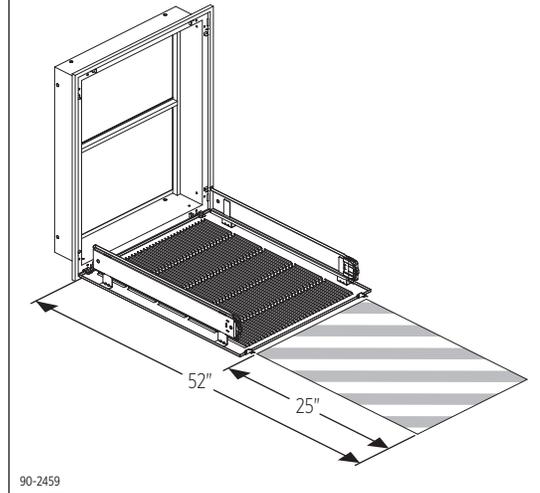


FIGURE 3 – WALL INSTALLATION

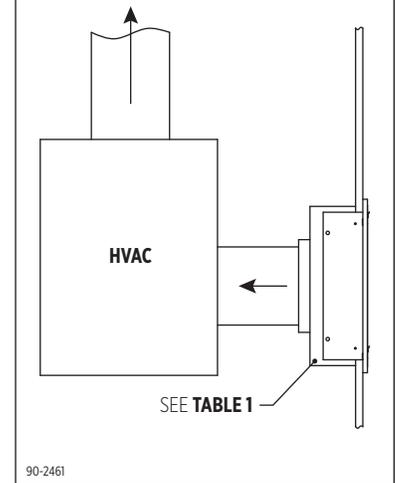


FIGURE 4 – CEILING INSTALLATION

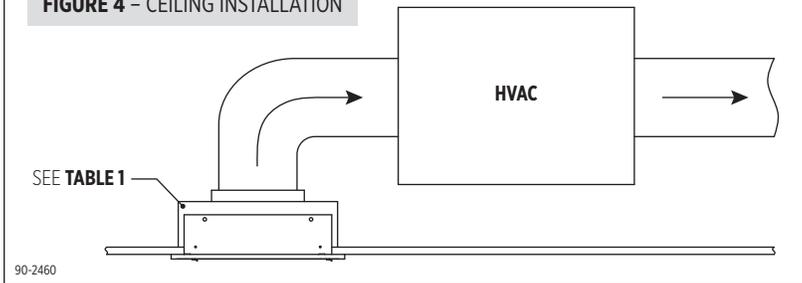
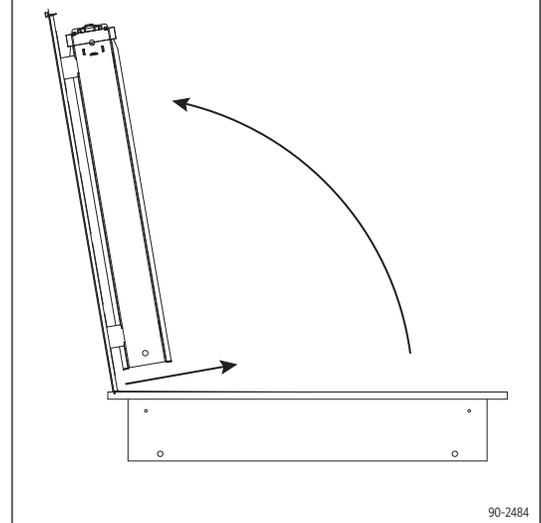


FIGURE 5 – REMOVING GRILLE



INSTALL THE AIR CLEANER FRAME

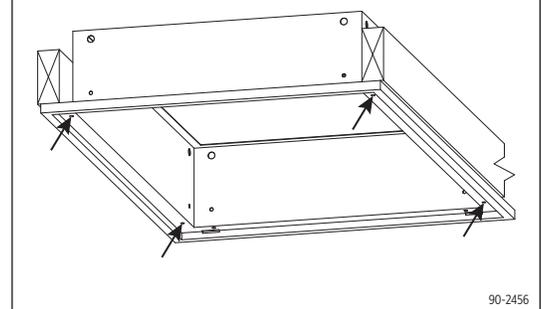
1. Disconnect power to the furnace or air handler at the electrical service panel.

⚠ WARNING

120 Volts may cause serious injury from electrical shock. Disconnect power to the furnace/air handler before starting installation. Leave power disconnected until installation is completed.

2. Remove the grille door from the frame by opening more than 90 degrees and sliding the hinge hooks out of the frame (see **FIGURE 5**).
3. Use screws (field supplied) to mount the grille frame to the building structure. There are mounting holes located on the outside and inside faces of the frame (see **FIGURE 6**). The frame must be secured to the structure on at least two sides.
4. Reattach the grille door to the frame by inserting the hinge hooks into the frame while holding the door more than 90 degrees open (see **FIGURE 5**).
5. Install the filter (see **FIGURE 8** on page 3).
6. Close and latch the grille door.
7. Reconnect power to the furnace or air handler at the electrical service panel.

FIGURE 6 – INSTALL THE FRAME



MAINTENANCE

The only maintenance required is the periodic replacement of the disposable Aprilaire filter which you can do in a few minutes. The frequency of replacement will vary with operation time, the number of particles generated in the home and is affected by: number of people and their activities, the amount of carpeting, pets, size of home, number of smokers, the pollution level of the area. Aprilaire recommends replacing the filter each year. However, all HVAC installations are different. Your contractor may recommend more or less frequent filter replacement.

CHANGING THE FILTER

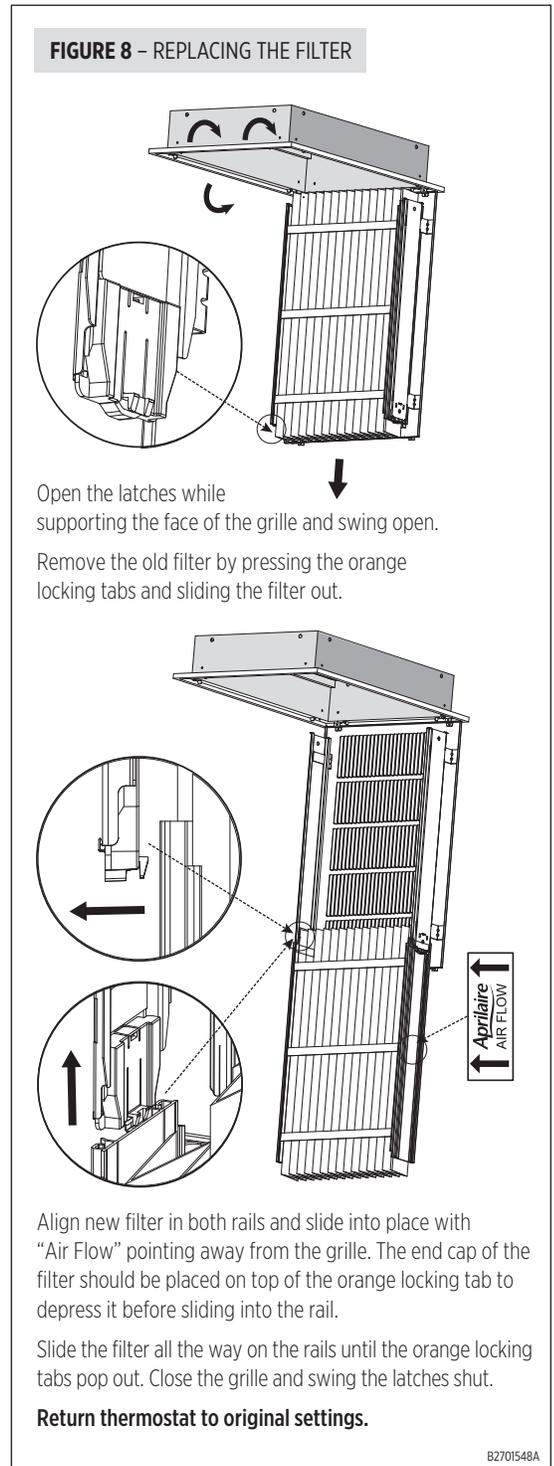
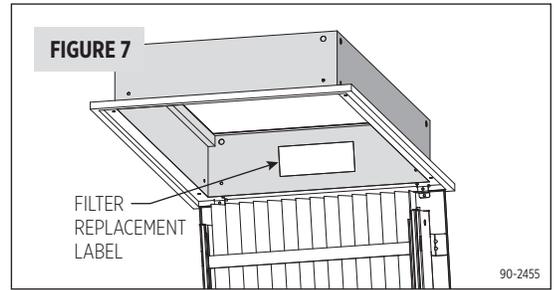
Coordinate filter replacement with an HVAC system maintenance agreement from your local HVAC professional or visit shop.aprilaire.com. **IMPORTANT:** Follow the step by step directions on the filter replacement label to ensure that it is installed in the proper orientation – the outlet side of the filter is the expanded metal.

This label can be found on the inside frame of the filter grille (see **FIGURE 7**). The model number of the correct replacement filter is also listed on this label. The steps for changing the filter are also shown in **FIGURE 8**.

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

REPLACEMENT FILTER		
Model	Best for Clean Home and Equipment Protection	Best for Healthy Home and Equipment Protection
1625FG11	610	613
2025FG11	810	813
1625FG13	—	613
2025FG13	—	813

CHOOSE THE FILTER THAT'S BEST FOR YOUR HOME AND YOUR FAMILY		
Captures	Model 610/810	Model 613/813
Dust	✓	✓
Pollen	✓	✓
Fungi	✓	✓
Mold	✓	✓
Pet Dander	✓	✓
Virus Size Particles		✓
Bacteria		✓
Virus Size Particles 0.3-1 Microns	45%	63%
Dust 1-3 Microns	78%	88%
Pollen and Mold Spores 3-10 Microns	92%	92%



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FILTER PERFORMANCE

610	MERV	(μm)	0.30-1.0	1.0-3.0	3.0-10	Airflow (cfm)	600	900	1200	1500	1600
	11	PSE (%)	45	78	92	Initial ΔP (in w.c.)	0.06	0.11	0.18	0.25	0.28

810	MERV	(μm)	0.30-1.0	1.0-3.0	3.0-10	Airflow (cfm)	600	900	1200	1500	2000
	11	PSE (%)	45	78	92	Initial ΔP (in w.c.)	0.05	0.08	0.12	0.17	0.27

613	MERV	(μm)	0.30-1.0	1.0-3.0	3.0-10	Airflow (cfm)	600	900	1200	1500	1600
	13	PSE (%)	63	88	92	Initial ΔP (in w.c.)	0.09	0.16	0.24	0.33	0.36
813	MERV	(μm)	0.30-1.0	1.0-3.0	3.0-10	Airflow (cfm)	600	900	1200	1500	2000
	13	PSE (%)	63	88	92	Initial ΔP (in w.c.)	0.07	0.11	0.17	0.23	0.35



APRILAIRE 10-YEAR CLEAN COIL COMMITMENT

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. Should your new indoor air conditioning coil require professional cleaning in the next 10 years while properly using an Aprilaire Air Cleaner, we will pay \$100 toward the cost of having the indoor coil cleaned by a licensed contractor.

This commitment applies to new HVAC equipment with a new indoor air conditioner coil (less than six months old) installed with an Aprilaire Air Cleaner. The Aprilaire Air Cleaner must be installed by a licensed HVAC contractor. The Aprilaire Air Cleaner must be properly maintained as per directions in this owner's manual including use of only Aprilaire brand filter replacement.

For redemption details, please visit www.aprilaire.com/cleancoil or call 1-800-334-6011.

LIMITED WARRANTY

Your Research Products Corporation Aprilaire® Air Cleaner is expressly warranted for five (5) years from date of installation to be free from defects in materials or workmanship.

Research Products Corporation's exclusive obligation under this warranty shall be to supply, without charge, a replacement for any component which is found to be defective within such five (5) year period and which is returned not later than thirty (30) days after said five (5) year period by you to either your original supplier or to Research Products Corporation, Madison, Wisconsin 53701, together with the model number and installation date of the air cleaner.

THIS WARRANTY SHALL NOT OBLIGATE RESEARCH PRODUCTS CORPORATION FOR ANY LABOR COSTS AND SHALL NOT APPLY TO DEFECTS IN WORKMANSHIP OR MATERIALS FURNISHED BY YOUR INSTALLER AS CONTRASTED TO DEFECTS IN THE AIR CLEANER ITSELF.

IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE AFORESAID FIVE YEAR PERIOD. RESEARCH PRODUCTS CORPORATION'S LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, OTHER THAN DAMAGES FOR PERSONAL INJURIES, RESULTING FROM ANY BREACH OF THE AFORESAID IMPLIED WARRANTIES OR THE ABOVE LIMITED WARRANTY IS EXPRESSLY EXCLUDED. THIS LIMITED WARRANTY IS VOID IF DEFECTS(S) RESULT FROM FAILURE TO HAVE THIS UNIT INSTALLED BY A QUALIFIED HEATING AND AIR CONDITIONING CONTRACTOR. IF THE LIMITED WARRANTY IS VOID DUE TO FAILURE TO USE A QUALIFIED CONTRACTOR, 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 exclusion or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

WARRANTY REGISTRATION

Visit us online at www.aprilaire.com to register your Aprilaire product. If you do not have online access, please mail a postcard with your name, address, phone number, email address, product purchased, model number, date of purchase, and dealer name and address to: Research Products Corporation, P.O. Box 1467, Madison, WI 53701.

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

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