Aprilaire®

Media Air Cleaners Installation 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 filtering media.**

SPECIFICATIONS

Airflow Capacity: up to 2000 CFM maximum

Replacement Media:

1210, 2210, 3210: Model 210 or 213 with SelfSeal™
1310, 2310, 3310: Model 310 or 313 with SelfSeal™
1410, 2410, 3410: Model 410 or 413 with SelfSeal™

Max. Equipment Weight:

Cabinet will support 400 lb. static load

Air Cleaner Operating Environment:

Temperature: 0°F – 140°F
Humidity: 0-90% non-condensing

DIMENSIONS

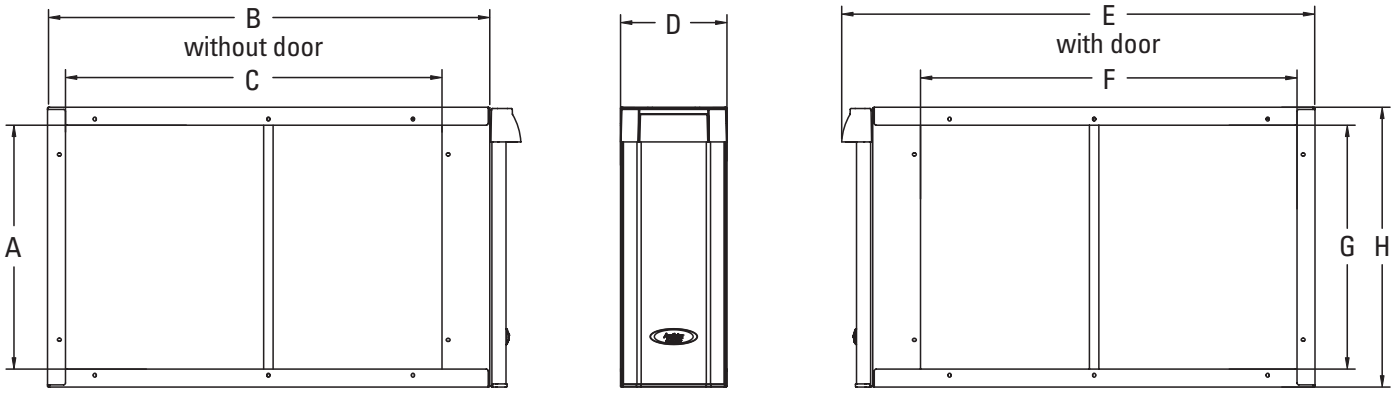

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TABLE 1 – Dimensions (inches)

Model	A	B	C	D	E	F	G	H
1210, 2210, 3210	19-3/4	25-3/8	21-3/16	6-3/4	27-3/8	21-3/16	19-3/4	22-1/16
1310, 2310, 3310	18-1/16	20-1/16	15-7/8	6-3/4	22-1/16	15-7/8	18-1/16	20-3/8
1410, 2410, 3410	15-7/16	28-1/16	23-7/8	6-3/4	30-1/16	23-7/8	15-7/16	17-3/4

INSTALL THE AIR CLEANER CABINET

LOCATING THE AIR CLEANER

1. Leave sufficient space in front of the air cleaner for the removal of the filtering media (see **Figure 1**).
2. **DO NOT INSTALL DOWNSTREAM OF A UV LIGHT.** UV lamps will cause degradation of the filtering media.
3. **Figures 2-4** show typical applications.

FIGURE 1 – Filtering Media Clearance

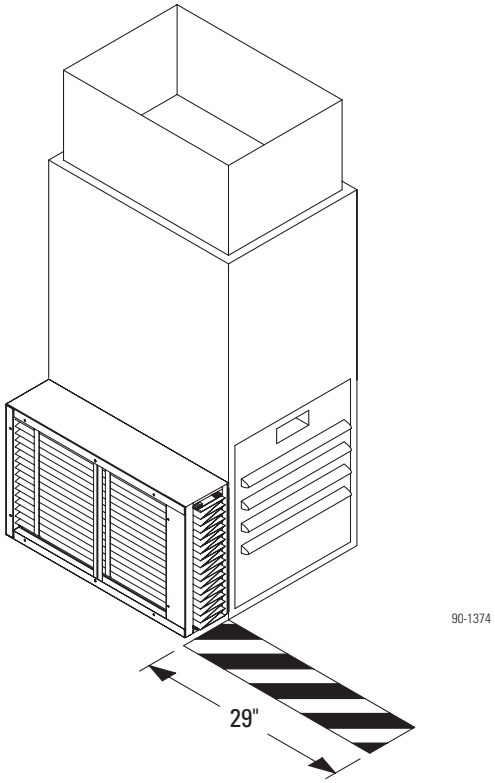


FIGURE 2 – Horizontal Installation

FIGURE 3 – Highboy Installation

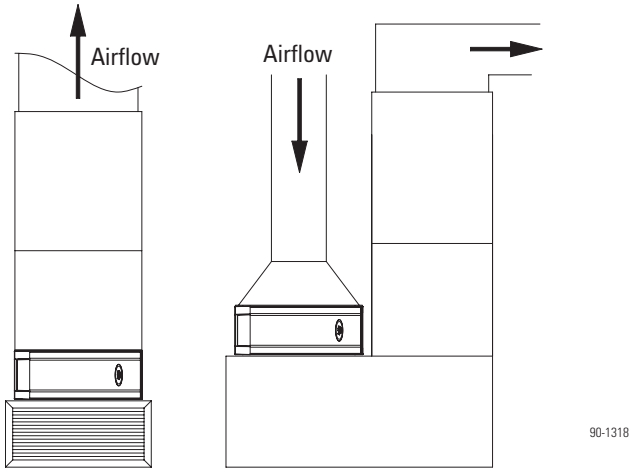
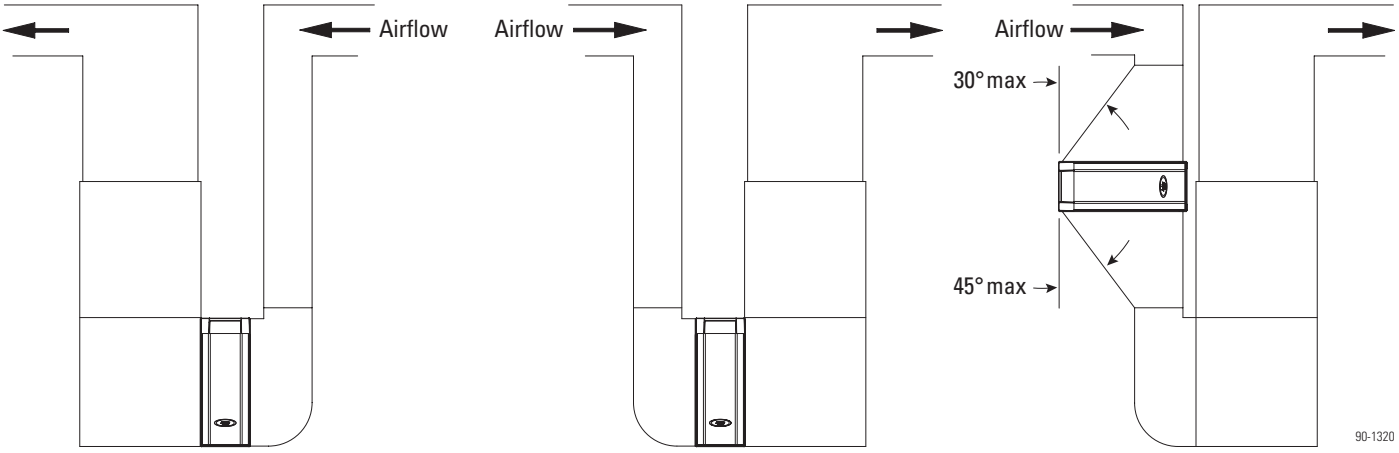


FIGURE 4 – Highboy Upflow Installation



INSTALLATION

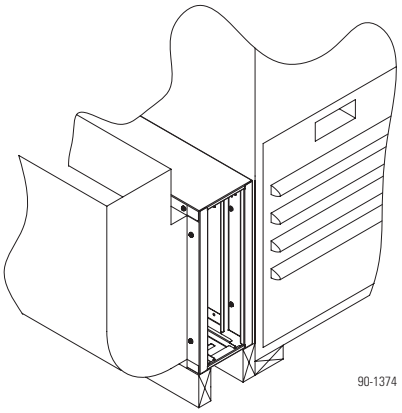
1. Disconnect power to the furnace or air handler at the electrical service panel.

⚠ 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 air cleaner door from the outer housing and pull out the filtering media.
3. If replacing an existing filter, remove the filter and thoroughly clean the blower compartment.
4. Use screws (field supplied) to mount the outer housing to the furnace/air handler. There is no inlet or outlet side on the outer housing (the outer housing can be mounted on the left or right side of the furnace/air handler).

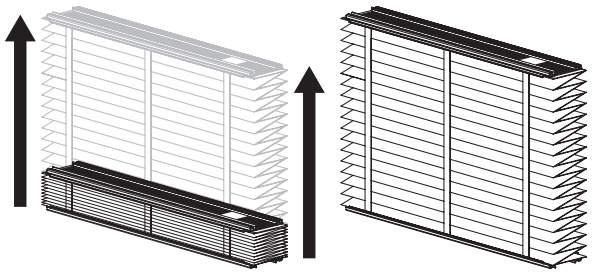
FIGURE 5



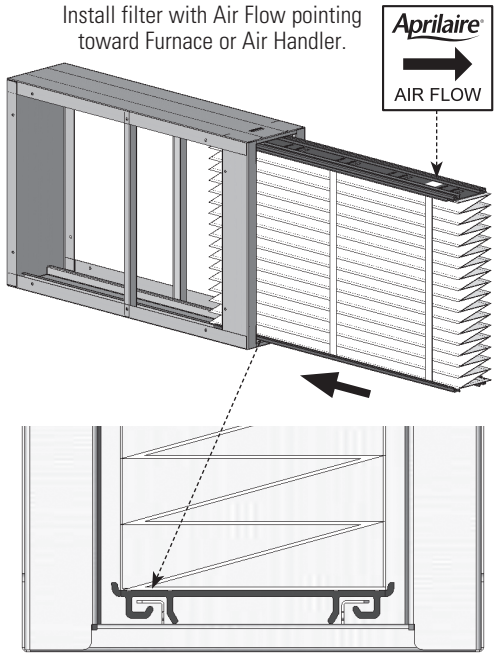
NOTE FOR UPFLOW INSTALLATIONS: Provide support under the outer housing to ensure the quality of the seals (see **Figure 5**).

5. Mount the return ductwork to the outer housing.
6. Seal all connections using mastic, foil tape or silicone based caulk.
7. Install the filtering media (see **Figure 6**).
8. Install the door.
9. Reconnect power to the furnace or air handler at the electrical service panel.

FIGURE 6



Expand clean filter.



Align filter in top and bottom rails and slide into place. Reinstall door.

P.O. Box 1467 • Madison, WI 53701-1467 • Phone: 800/334-6011 • Fax: 608/257-4357 • **www.aprilairepartners.com**

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