



A CSW Industrials Company

INSTALLATION MANUAL

DUST FREE® PLATFORM MAC

Media Air Cleaner

General

The Dust Free® Platform MAC air cleaner provides a simple, space-saving transition for vertical installations. Integrated MERV 11 media filter helps to remove airborne particulate matter and may improve the operating efficiency of the heating and cooling equipment. The duct inlet opening is adjustable, eliminating the need for a field-assembled transition, reducing installation time and hassle.

Before Installing

- Read all instructions carefully. Failure to do so could damage the equipment or cause harm to yourself or others.
- Acknowledge all warnings.
- Only qualified technicians should perform the installation.

WARNING

Qualified Technicians Only

This device must be installed in compliance with all national and local electrical and mechanical codes.

Included

- Platform Media Air Cleaner cabinet
- MERV 11 filter
- Installation instructions
- Installation hardware

Installation

1. The air filter can be accessed from either side of the cabinet. To remove the door, rotate both latches outwards and pull the door straight out of the unit as shown in figure 1.

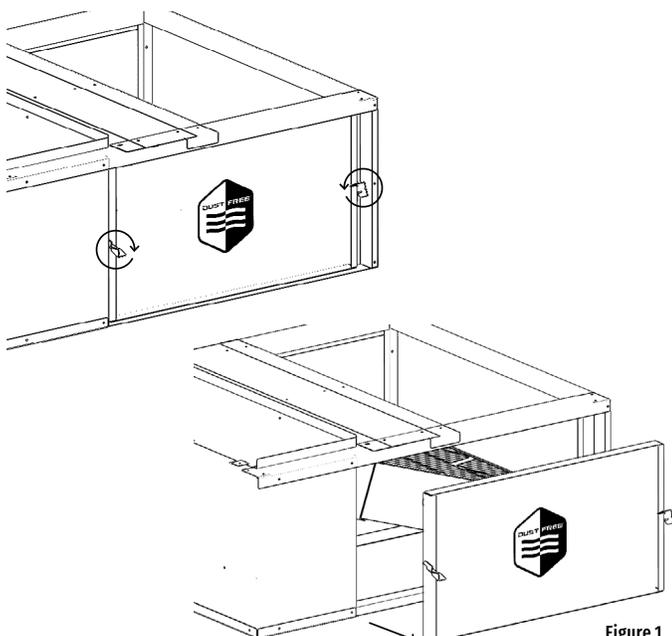
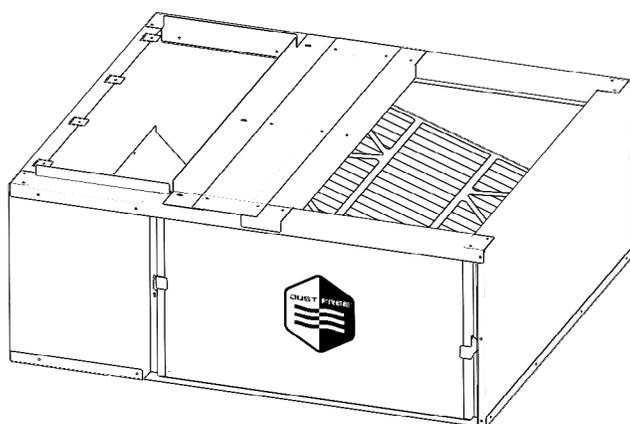


Figure 1

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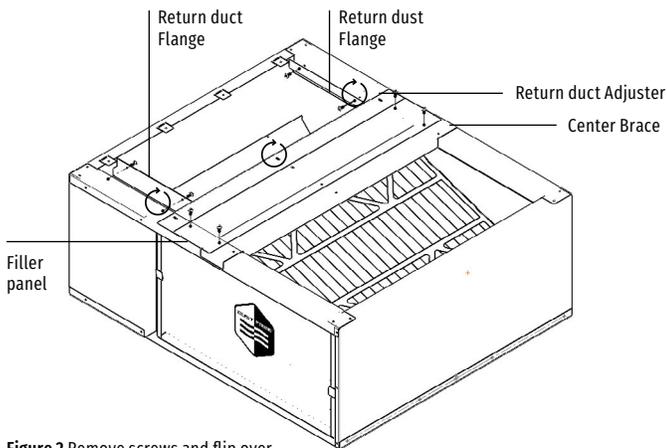


Figure 2 Remove screws and flip over

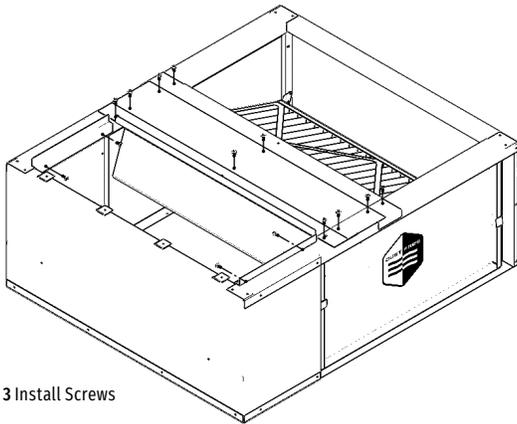


Figure 3 Install Screws

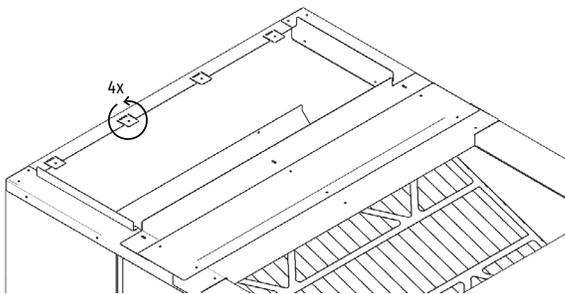


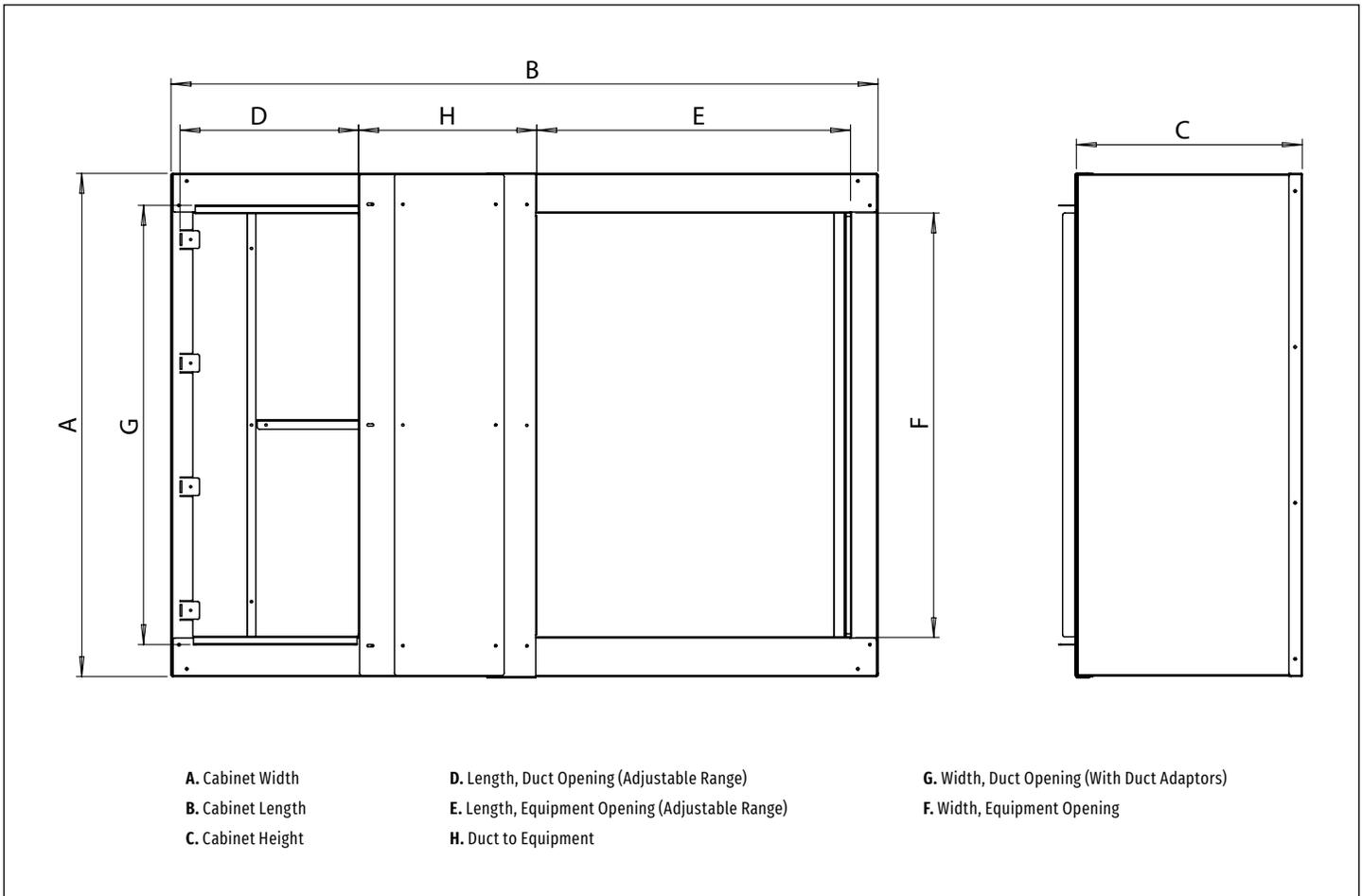
Figure 5

2. Remove the screws on the return duct adjuster and flip over so that the flange is upwards as shown in figure 2 and 3. Reference the opening in the bottom of the furnace or air handler and adjust the opening width in the equipment side of the media air cleaner cabinet to match. The center braces can be moved to different pre-established locations using the holes in the top of the cabinet. Depending on the desired locations, the filler panel may be used or discarded. Once in place, secure the center brace, fill panel, and return duct adjuster with the supplied #8 x 3/8" screws.
3. Remove the 2 screws holding each both return duct flanges and flip over. Reinstall the supplied #8 x 3/8" screws.
4. Place the furnace or air handler atop the media air cleaner cabinet and secure it in place. Use gasket material as necessary to ensure fit and to prevent leaks.
5. Bend up the perforated tabs on the duct-side of the cabinet to provide fastening locations for the duct as shown in figure 5. Secure the duct to the inlet opening of the media air cleaner cabinet using #8 x 3/8" screws. Use gasket material as necessary to accommodate uneven surfaces and to prevent leaks.
6. Seal all joints between the air cleaner, the furnace or air handler, and the return air duct to prevent dust infiltration into the air stream.

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Specifications and dimensions



Model	DF Platform MAC 23" x 33"	DF Platform MAC 23" x 40"	DF Platform MAC 28" x 33"	DF Platform MAC 28" x 40"
Product Code	DF12140	DF12141	DF12142	DF12143
Cabinet Width A	23"	22.8"	28.5"	28.5"
Cabinet Length B	33"	40"	33"	40"
Cabinet Height C	12.75"	12.75"	12.75"	12.75"
Length, Duct Opening (Adjustable Range) D	8", 10", 12"	10", 12"	10", 12"	10", 12"
Length, Equipment Opening (Adjustable Range) E	12.5" - 16" up to 17.75" with 10" return	16.25" - 21.5"	12.5" - 16", 17.75 with 10" return	17.75" - 23"
Duct to Equipment H	3.00" - 10.50"	4.50" - 11.75"	2.87" - 8.37"	2.87" - 10.00"
Width, Duct Opening (With Duct Adaptors) G	20"	20"	25"	25"
Width, Equipment Opening F	20"	20"	24"	24"
Nominal Filter Size	20" x 20" x 4.37"	20" x 25" x 4.37"	20" x 25" x 4.37"	20" x 25" x 4.37"

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Planning

Installation should only be performed by a certified professional. If you plan to install this unit yourself, please be aware that the improper use of any tool can be dangerous. The manufacturer does not assume any responsibility for failures due to incorrect installation procedures.

Before beginning any installation or modification, ensure that the main line electrical disconnect switch is in the OFF position. Unexpected start-up of the system blower could cause serious injury. Tag disconnect switch with suitable warning labels.

The Dust Free® Platform MAC air cleaner is compatible with most up-flow, residential, forced-air furnaces and air handlers. Installing the cabinet on the upstream side of the furnace or air handler blower compartment allows for even airflow across the filter media and helps to keep the system motor and fan clean from airborne particulates. Particulate build up on the evaporator coil can reduce heat transfer efficiency of the system and increase operating costs over time.

Maintenance

To maintain optimal heating and cooling system efficiency, the media filter in this air cleaner should be replaced regularly. The climate in which you live and the particulate count in your indoor environment will factor into the replacement schedule for your particular application. It is recommended that the filter be replaced every six to twelve months. If the filter is more heavily loaded, replace the filter more frequently.

Failure to replace the filter when loaded could restrict airflow through the system, reducing airflow circulation, creating occupant discomfort, increasing equipment run time, and increasing energy operating costs. If the filter becomes extremely clogged, the cooling coil may freeze or the heat exchanger may increase enough to cycle off the equipment for safety reasons.

To change the air filter:

1. Remove the Platform MAC door by rotating the door latches outwards and pulling the door away from the unit.
2. Remove the filter from the cabinet and responsibly dispose of it.
3. Install the new filter, ensuring proper orientation of airflow arrows.
4. Replace the air cleaner door panel.

Replacement media

For replacement filters, please contact the original installer or contractor who services your heating and cooling equipment. The media filter from the Dust Free PMAC Platform Media Air Cleaner can be replaced with a MERV 11 filter as outlined below.

Rating	MERV 11 20" x 20"	MERV 11 20" x 25"
Filter Model	DF12588	DF12589
Fits PMAC models	DF12140	DF12141, DF12142, DF12143
Normal size	20" x 20" x 4.5"	20" x 25" x 4.5"
Actual Dimensions	19.69" x 19.99" x 4.37"	19.69" x 24.69" x 4.37"

Limited Warranty



For more information on our product limited warranty, visit RectorSeal.com

Manufactured by

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