

F200 Charged-Media Air Cleaner

PRODUCT DATA



APPLICATION

The F200 Charged-Media Air Cleaner captures a significant amount of the air-borne particles from the air circulated through the unit.

FEATURES

- **Charged-Media filter captures particles as small as 0.3 micron.**
- **Efficiency ratings based on the American Society of Heating, Refrigerating and Air Conditioning Engineers Standard 52.2-1999.**
- **Applicable to all gas, oil, and electric forced warm air furnaces and to compressor cooling up to 5 tons.**
- **Mounts in the return air duct.**
- **Cabinet can support weight of residential furnace and evaporator coil.**
- **Requires no electrical connections.**
- **Mounts in any position.**
- **Requires no maintenance except periodic battery and media filter replacement.**
- **Quick and easy media filter replacement.**
- **Later upgrade to electronic air cleaner is easy.**
- **Integral pressure sensors signal when filter change is required based on increased pressure drop threshold at filter.**
- **Filter change status is transmitted to wall-mounted AIRWATCH® Indicator.**
- **The RF AIRWATCH® Indicator is included.**

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SPECIFICATIONS

IMPORTANT

The specifications in this publication do not include normal manufacturing tolerances; therefore, an individual unit may not exactly match the listed specifications. This product is tested and calibrated under closely controlled conditions, and some minor differences in performance can be expected if those conditions are changed.

Model:

F200E Charged-Media Air Cleaner includes a cabinet, access door and pleated media filter, and an RF AIRWATCH® Indicator.

Application:

Use with gas, oil, and electric forced warm air furnaces and with compressor cooling. Can be used with heat pumps if filter is changed regularly to prevent excessive pressure drop.

Efficiency:

Efficiency Ratings: Based on American Society of Heating, Refrigerating and Air-Conditioning Engineers Standard 52.2-1999. Efficiency ranges are defined for small particles, E1=0.3 to 1.0 microns; medium particles, E2=1.0 to 3.0 microns; and large particles, E3=3.0 to 10.0 microns.

Initial Efficiency:

E1=64%

E2=91%

E3=99%

Minimum Efficiency Reporting Value (MERV): 13 at 492 fpm.

Filter Media: Pleated for greater media capacity.

Filter Element: Underwriters Laboratories, Inc.: UL 900, Class 2 Listed.

Pressure Drop: See Fig. 3.

Initial Pressure Drop: 0.31 in. wc at 492 fpm.

Temperature Rating: -40° to +140°F (-40° to +60°C).

Dimensions: See Fig. 1.

Mounting:

Mounts in any position in the return air duct, usually next to the furnace blower compartment. Cabinet is sturdy enough to support weight of a residential furnace and evaporator coil.

Upgrade Path:

The F200 uses the same cabinet as the F300 Electronic Air Cleaner. Upgrade may require installing the cell key, electronic cells, protective screens and installation and wiring of the power box, depending on model.

ORDERING INFORMATION

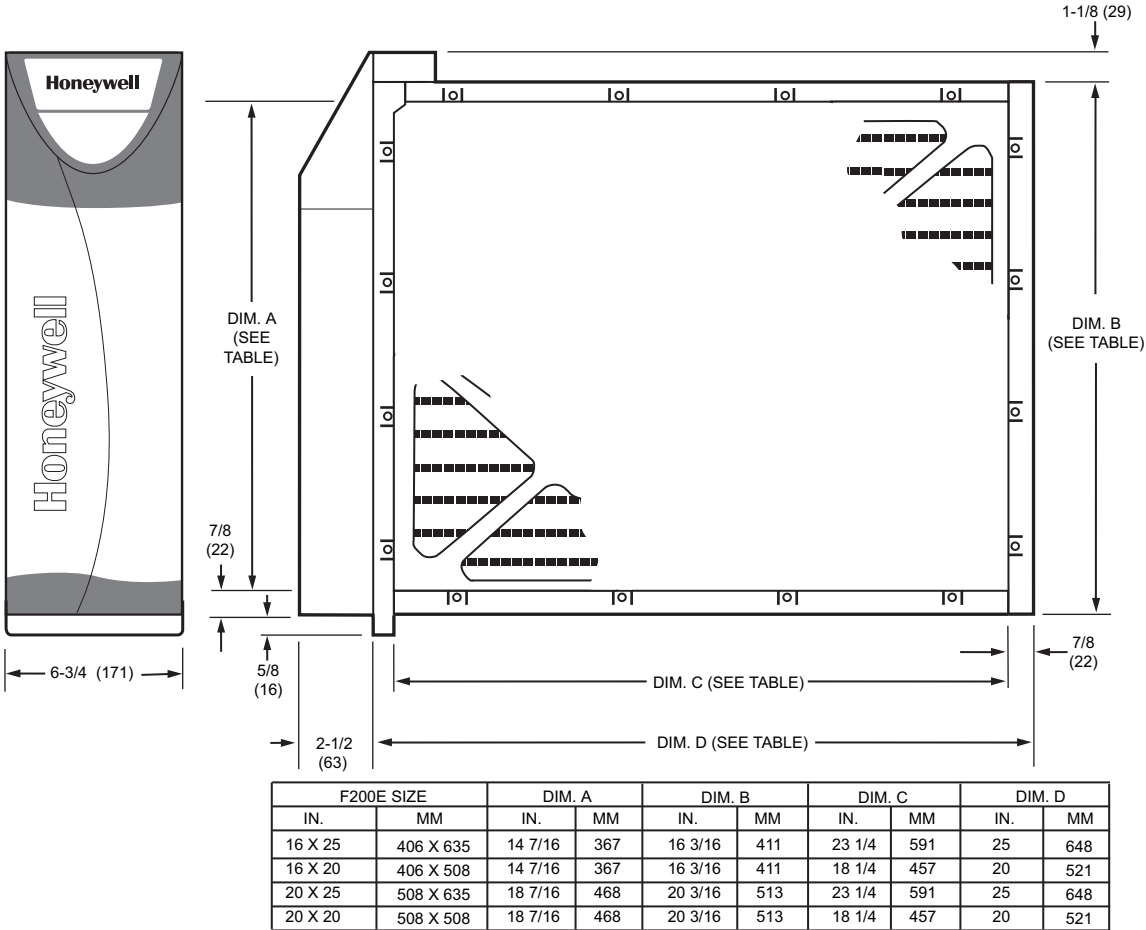
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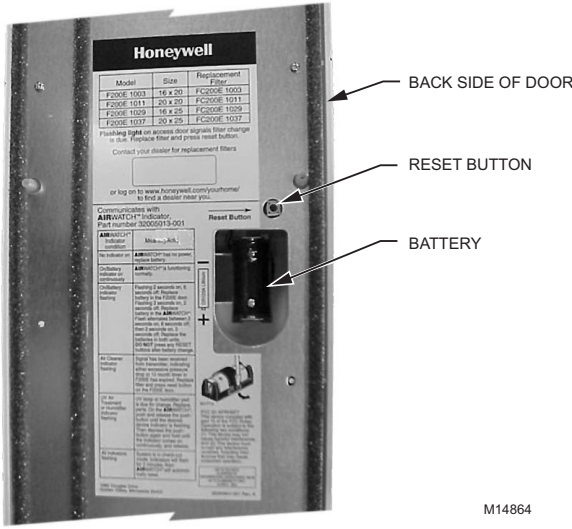
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Fig. 1. Installation dimensions in in. (mm) of air cleaner.

Media Replacement:

Replace the filter at least annually or when the built-in pressure sensors in the F200 door detect that airflow is impaired and the filter requires cleaning. This condition causes the indicator light on the F200 door to begin flashing and the transmitter to send a signal to the wall-mounted RF Indicator that the filter needs replacing.

After replacing the filter, press the reset button on the F200 door to reset both the door indicator light and the RF AIRWATCH® Air Cleaner Indicator. See Fig. 2. (See Table 1 for AIRWATCH® operation.)



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Fig. 2. RF transmitter door - interior view.