



Marc Climatic Controls, Inc.

GAS-PHASE AIR FILTRATION CABINET WITH CHEMICAL MEDIA CELLS CFU SERIES



**MODEL CFU1000 INSTALLED BETWEEN TWO
10 TON WALL MOUNT AIR CONDITIONERS**

- *Designed to improve indoor air quality.*
- *Fresh air is drawn through the filtration unit by either air conditioner, providing a slight positive pressure inside the room to aid in the prevention of the ingress of contaminated outdoor air.*
- *Removes contaminants such as H₂S, SO₂, and other acid gases, odors, and many hydrocarbons from the fresh air make-up.*
- *Optional return air inlet from the room to allow recirculation through the media beds.*

Features:

- Marc MC12 chemical media cells with 3" bed depths of potassium permanganate impregnated granules (KMnO₄), activated or impregnated carbon granules.
- 2" pleated prefilter.
- 4" pleated final filter.
- Heavy 16 gauge cabinet with white urethane coating and neoprene insulated interior.
- Gasketed access door for air-tight seal.
- Quick access positive pressure door latches.
- Extruded aluminum filter and cell tracks with woven nylon pile seal.
- Filter pressure gauges.
- Flanged air inlet and discharge connections.

Options:

- Stainless steel cabinet.
- Return air inlet from room.
- Flexible duct connectors for air discharge to air conditioners.
- Custom configurations for connection to other types of air handling systems.
- Backdraft dampers for use between two air conditioners (as shown above).
- Built in blower with aluminum wheel and motor.
- Fresh air inlet stack and rain cap.
- Gas detector fittings in stack.
- Motorized stack damper for closure on gas detection.
- Unitized with air conditioner(s) on a common base for ease of installation.

GAS-PHASE AIR FILTRATION CABINET

CFU SERIES



MEDIAS:

POTASSIUM
PERMANGANATE
IMPREGNATED
SPHERES



ACTIVATED OR
IMPREGNATED
CARBON
PELLETS

MC12 MEDIA CELL FILLED WITH POTASSIUM
PERMANGANATE IMPREGNATED SPHERES OR
CARBON PELLETS:



UPRIGHT VIEW

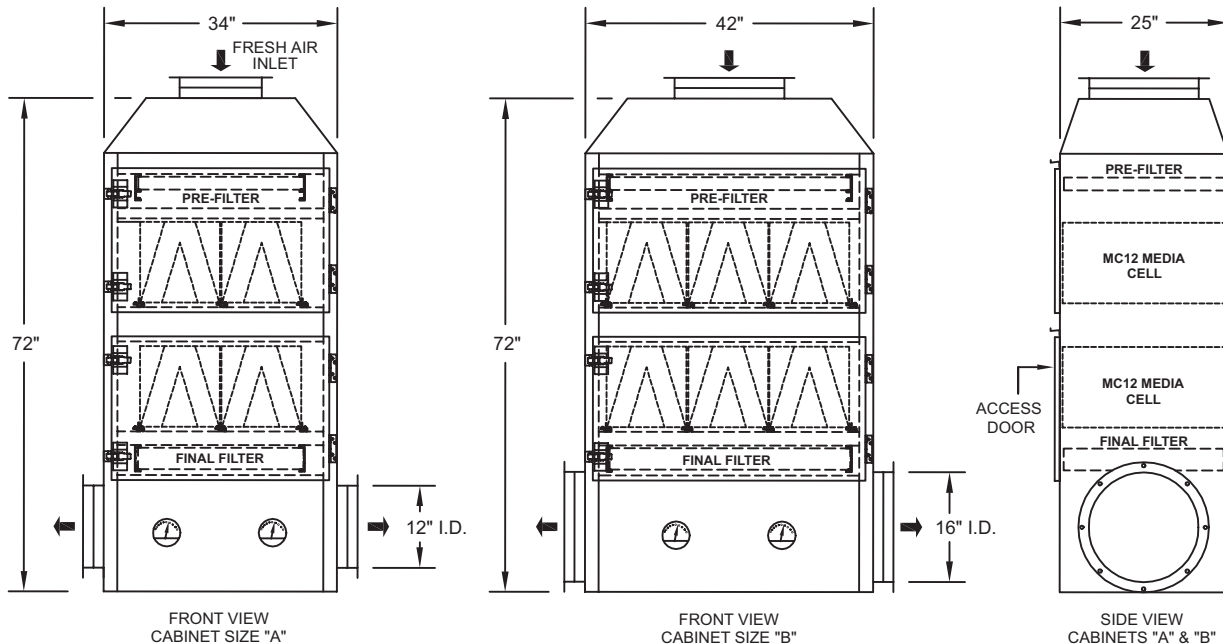


ON SIDE TO SHOW
DISCHARGE (BOTTOM)

THE "V" SECTION OF THE CELL IS PERFORATED
ALLOWING AIR FLOW THROUGH THE MEDIA BED

<i>Model</i>	<i>Maximum Air Flow CFM (1)</i>	<i>MC12 Cells Per Pass (2)</i>	<i>MC12 Cells Per Unit</i>	<i>Cabinet Size</i>
CFU0500-2P	500	1	2	A
CFU1000-2P	1,000	2	4	A
CFU1500-2P	1,500	3	6	B

- (1) Maximum air flow that may be drawn through cabinet.
 (2) Each unit has two (2) passes, or banks of cells.



NOTE: Mounting angles are not shown
due to variations in installation.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE 4-29-05 (Supersedes 7-2-04)



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