## Energy Industrial Company

## Medi- Clean Unit (MCU 900) HEPA Filtration System

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#### Applications

- » Negative Pressure Rooms
- » Emergency Rooms
- » Waiting Rooms
- » Intensive Care Units
- » Bronchoscopy Rooms
- » Renal Dialysis Rooms
- » Clinics
- » Nursing Centers
- » Physician Offices
- » Addiction Recovery Centers
- » Correctional Facilities



#### **Exhaust Adaptor**

Factory assembled unit with built in 8"collar suitable for flexible duct that can be directed to outside through a wall opening or a window.

Optional: Flexible duct is optional

#### Front panel

Includes:

- a. Power selector knob
- b. Power indicator lamp
- c. Run indicator lamp
- d. Check filter alarm

#### **Quiet Operation**

@500 CFM 50 DbA @ 1 m @700 CFM 54 DbA @ 1m @900 CFM 60 DbA @ 1m **MCU 900** is a portable, Self-contained (HEPA) filtration system designed to create negative pressure inside any room intended to be converted into an isolation room.

MCU 900 can be used as a clean air recirculating system in Hospital, Clinics, waiting areas, etc...

MCU 900 is designed to work from a range of 500 to 900 CFM.

#### **Fully Adjustable Air Flow**

Factory assembled unit with built in speed controller allowing full range control from 500 CFM to 900 CFM

#### **Room Air Changes Per Hour**

Depending on room size. the high efficiency fan can develop up to 32 ACH,for room size: 5 x 4 x 2.4 m with an airflow equivalant to 900 CFM

#### **Easy Maintenance**

All componets are easily accessible through hinged doors for easy maintenace and service.

#### Warranty

Limited 2-years warranty (Excluding Consumable Parts)



#### Energy International Corporation

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#### Construction

**Casing:** Heavy duty 1.8 mm galvanized steel with ½" insulation

Access Doors: Fully hinged access doors to access both filter section and the fan blower assembly

**Finish:** Epoxy powder coated standard colour RAL9002

#### **Filter**

HEPA filter, with a minimum efficiency of 99.99% @ 0.3 micron Disposable pre filter to remove the dust particles upstream.

MCU 900 is supplied with differential pressure switch connected to an indicator lamp in the front of the panel.

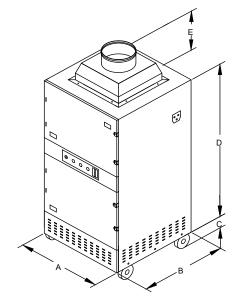


#### **Motor/Blower Assembly**

Direct drive, continuous duty fan 0.55 Kw, Class F insulation, IP44 Protection Amps: 4.23.

Performance is according to AMCA 210 & AMCA 310 Standard.

Model		MCU 900
	Α	658
Dimension	В	623
(mm)	С	70
	D	1150
	Е	270
Airflow CFM	Low	500 ±5%
	Medium	700 ±5%
	High	900 ±5%
Power Requirements		@230 V 50 Hz
Net Weight		97 Kg





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