

Medi-Clean Unit (MCU 900)
HEPA Filtration System



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 re-circulating 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 equivalent to 900 CFM

Easy Maintenance

All components are easily accessible through hinged doors for easy maintenance and service.

Warranty

Limited 2-years warranty
(Excluding Consumable Parts)

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

■ **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



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
Dimension (mm)	A	658
	B	623
	C	70
	D	1150
	E	270
Airflow CFM	Low	500 ±5%
	Medium	700 ±5%
	High	900 ±5%
Power Requirements		@230 V 50 Hz
Net Weight		97 Kg

