

Microcon[®] MAP - Air Purification System



MICROCON[®] MAP400

MICROCON[®] MAP800



MICROCON[®] MAP with Germicidal UV Lamps

In-room Air Treatment for Hospitals and Healthcare

The Microcon[®] MAP is a high capacity mobile HEPA air scrubber specifically designed to remove hazardous airborne microbial pathogens in hospital and healthcare environments. Greatly improve breathing zone air quality within a patient room using HEPA filtration in combination with our unique CIRCUMFLOW[®] air distribution pattern.

Available in two models, the MICROCON MAP400 and MAP800 both meet CDC requirements for HEPA filtration and exceed guidelines for recommended room air changes within one hour. The Microcon MAP units are classified as FDA 510k compliant medical devices.

Synthetic Pre-filters are utilized to extend the life of the HEPA filter.

Activated Carbon Filters are extremely effective in removing odors and gases.

Modular HEPA Filter Cubes are individually tested and certified to a minimum efficiency of not less than 99.97% on 0.3 micron size particles. HEPA filters are the only filter type recognized in CDC guidelines.

Germicidal UV Lamps provide an additional layer of germicidal protection post-HEPA.



Pre Filter



HEPA



Carbon



UV Light



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ISOLATION ROOM ADAPTION

The MICROCON® MAP can be fitted with an inlet or exhaust duct to generate positive or negative pressure within the patient room or ISOPORT™ enclosure (pictured). Positive pressure is achieved by replacing the inlet cap with a duct adaption to draw supply air from an alternate location, and negative pressure is achieved by replacing the fan exhaust with a duct adaption to vent air outside of the patient room.



SPECIFICATIONS

Dimensions MAP400:

(H) 39" (W) 12-3/8" (D) 12-3/8"
Weight 45 lbs.

Dimensions MAP800:

(H) 45" (W) 18-1/4" (D) 18-1/4"
Weight 86 lbs.

Filtration Rate:

MAP400 - 200 to 400 CFM (12,000 to 24,000 cubic ft / hr) MAP800 - 400 to 800 CFM (24,000 to 48,000 cubic ft / hr)

Construction:

20 Gauge, powder coated carbon steel
Heavy duty casters (2x locking)

FDA Medical Device Listings:

MAP400 / MAP800 – FDA 510k Classification No. K974682
MAP400 / MAP800 with UV – FDA 510k Classification No. K972064

Low Noise:

<50 dB (based on ambient testing)

Electrical MAP400:

120V, Single Phase, 50/60Hz, 500 watt max.
230V, Single Phase, 50/60 Hz, 500 watt max.
UV Germicidal Lamps four (4) each 8 watt

Electrical MAP800:

120V, Single Phase, 50/60 Hz, 500 watt max.
230V, Single Phase, 50/60 Hz, 500 watt max.
UV Germicidal Lamps four (4) each 25 watt

Filters MAP400:

Pre-filter - (PF-042)
Blue Cube HEPA - (HS-042)
Carbon (option) - (CF-042)
UV Lamps (option) - (UB-042)

Filters MAP800:

Pre-filter - (PF-082)
Blue Cube HEPA - (HS-082)
Carbon (option) - (CF-082)
UV Lamps (option) - (UB-082)

ITEM

MS-400 – Microcon MAP400 110V
MS-400-002 – Microcon MAP400 220V
MS-800 – Microcon MAP800 110V
MS-800-002 – Microcon MAP800 220V

MU-400 – Microcon MAP400 with UV 110V
MU-400-002 – Microcon MAP400 with UV 220V
MU-800 – Microcon MAP800 with UV 110V
MU-800-002 – Microcon MAP800 with UV 220V



DIVISIONS



ISO 9001:2015 CERTIFIED COMPANY

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Doc # BIO-LIT-0003 Rev A