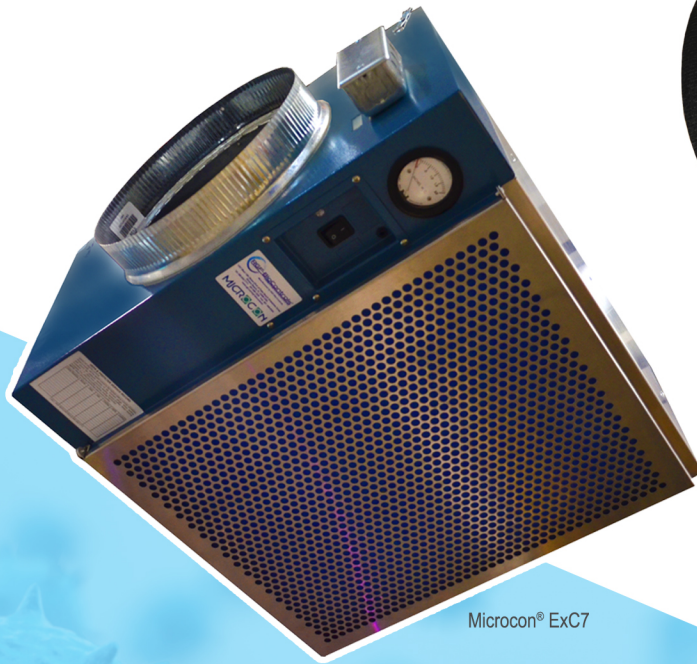# Microcon® ExC7 & Ecophan™ - Isolation Filter System

Ecophan™

Microcon® ExC7

Automated Isolation Room Air Treatment for Hospitals and Healthcare

The Microcon® ExC7 is a self-contained, FDA 510k compliant HEPA filter module used in combination with the Ecophan™ or existing HVAC system to create negative (exhaust) or positive (supply) pressure isolation rooms. Ideally suited to converting existing patient care rooms into isolation rooms, the ExC7 is quickly and easily installed in existing drop ceilings to maintain an uninterrupted, compliant positive or negative pressurization environment.

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

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

Modular HEPA Filter Cubes are individually tested and certified to a minimum efficiency of no less than 99.97% on 0.3 micron size particles. HEPA filters are the only filter type recognized in CDC guidelines.

Germicidal UV Lamps provides an extra layer of germicidal protection post-HEPA.

Pre Filter

HEPA

C

Carbon

UV

UV Light

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info@safetynetamerica.com   866-918-8546

Microcon® ExC7 & Ecophan™ - Isolation Filter System

ISOLATION ROOM CONTROL

Multiple options exist to ensure precise control and continual regulation of the isolation room pressure environment. The standard system is adjusted through the manual controls on the built-in control panel (1). A second option offers remote control by a wall mounted switch (2). Or a third alternative uses the Accustat™-PR (3) as a controller, delivering complete automatic operation. Adjust your setting requirements and the Ecophan™ will maintain constant room pressure. All three versions can be connected to your building management system.

SPECIFICATIONS	ExC7	Ecophan™
Motor/Blower	N/A	1/3 HP - High Efficiency Variable Speed
Voltage	115/230VAC 50/60Hz 1PH	115/230VAC 50/60Hz 1PH
FLA Amps	N/A	115/230V 4.0A/2.0A @50Hz 115/230V 4.5A/2.3A @60Hz
Facility Power Interface	N/A	Pre-Installed on Blower Module Chassis Breaker / On/Off Switch
CFM - Free Air	N/A	1350 + CFM @0.0"WC
CFM - Delivered Air	0 – 800 CFM @ 0.8" WC	0 – 800 CFM @ 0.8" WC
Mount Position	Drop Ceiling	Mechanical Space
Hangers	N/A	4 - Eye bolt hardware - Included
Chassis	16ga Galvanized Steel, Epoxy Painted	16ga Galvanized Steel, Epoxy Painted
Duct Collars	2ea - Intake and Exhaust 12" (10" Optional Adaptor)	2ea - Intake and Exhaust 12" (10" Optional Adaptor)
Weight	43 lbs (19.5kg)	42lbs (19kg)
Dimensions	23.75"(W) x 23.75"(L) x 14.125"(H) 603.25mm(W) x 603.25mm(L) x 358.775mm(H)	13.5"(W) x 19.5"(L) x 16.25"(H) 343mm(W) x 495mm(L) x 413mm(H)
Thermal Protection	N/A	Auto-Reset Thermal Overload
Speed Control	Various Input Options	Various Input Options
dB Sound	Very Low	Very Low
Agency Approvals	UL/CSA CE and ROHS Compliant FDA 510k:k974682	UL/CSA CE and ROHS Compliant
Filters	Pre-filter - (PF-EXC), HEPA - (HAL-EXC), Carbon - (CF-EXC), UV lamps - (UB-002)	N/A

ITEM

EXC7 – Microcon ExC7
EXC7-UV – Microcon ExC7 with UV
ECOPHAN – Ecophan with Internal Speed Control

ECOPHAN-SC – Ecophan with Safety Key Speed Wall Control
SKWC-002 – Safety Key Control
SKWSC-002 – Safety Key Speed Wall Control

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