A blurry background image of a person wearing a surgical mask and gloves, holding a small white device, likely a smartphone, which is used to scan a QR code.

TRI-KLEEN™ 500UV

Portable Air
Filtration Unit

i2M LLC 2020

MADE IN THE USA



MADE IN THE USA

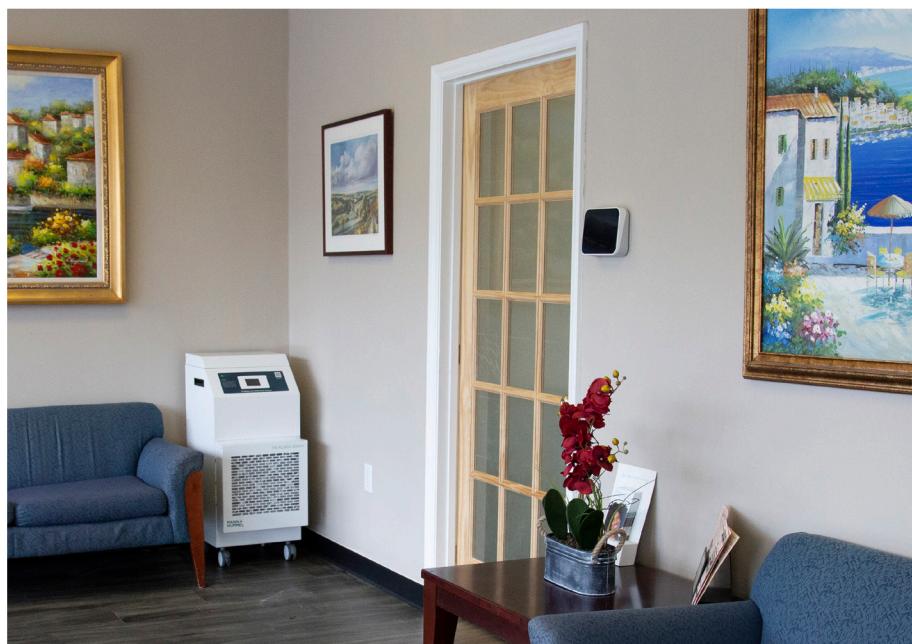
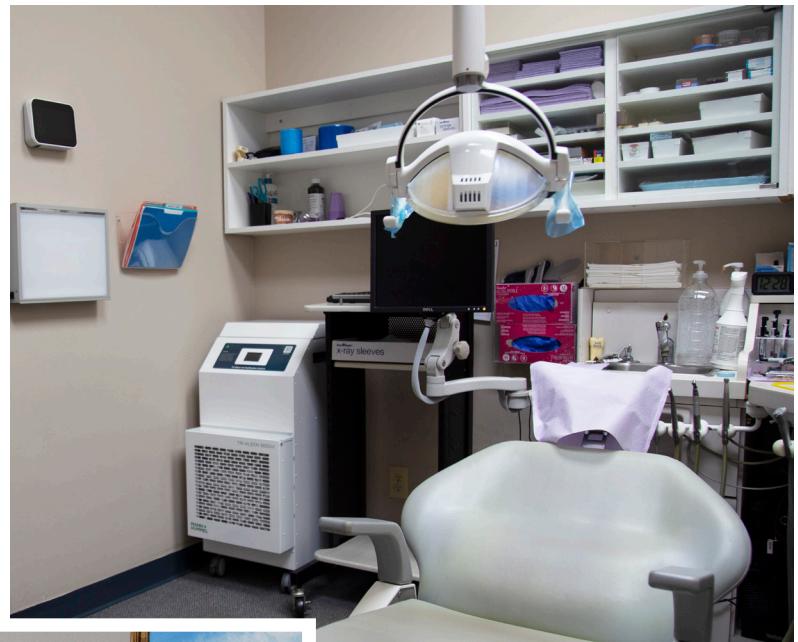


Portable Air Filtration Unit

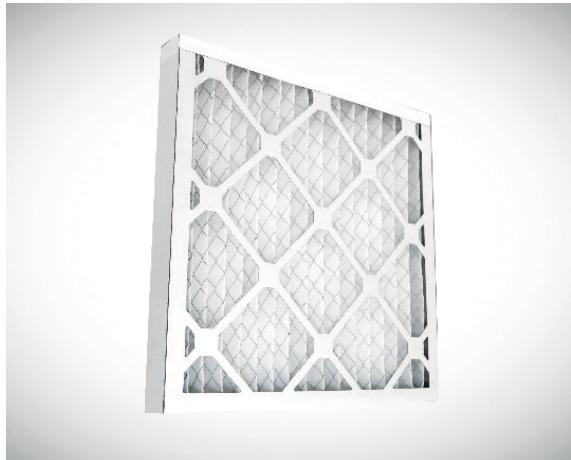
HEPA FILTRATION AND NEGATIVE PRESSURE

Negative pressure is used in healthcare settings to contain airborne contaminants within an infected occupant's room. The TRI-KLEEN™ 500UV is an air filtration machine utilizing true HEPA filtration and UV-C germicidal light to provide the most effective filtration available.

Utilizing the 8" collar (provided) the unit can be ducted to discharge 500 CFM of clean air outside. This enables a negative pressure environment in the room to be obtained where only conditioned clean air is brought into the room. No return air is brought back into the HVAC system thus decreasing the possibility to contaminate other areas of the facility.



Portable Air Filtration Unit



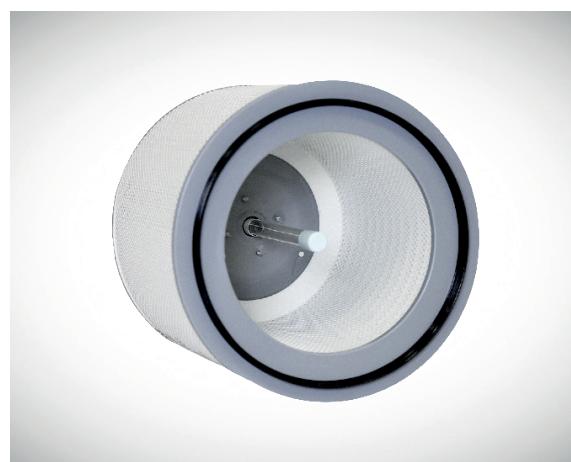
PRE-FILTER

The TRI-PLEAT ULTRA is a high capacity MERV 8 pre-filter with an initial resistance of 0.20" w.g. (50 Pa) at the recommended airflow of 500 CFM



HEPA FILTER

The cylindrical HEPA filter has initial resistance of 1.20" w.g. at 500 CFM. The minimum initial efficiency is 99.97% of 0.3 micron size particles. The media is standard micro-glass HEPA Media.



UV-C LIGHT

A 39W UV-C Germicidal Bulb is combined with a HEPA filter to prevent the viability of pathogens, such as bacteria and viruses.

TRI-KLEEN™ 500UV

Air Management

HIGHLY FLEXIBLE APPLICATION OPTIONS

The TRI-KLEEN™ product gives public health officials and hospital staff the ability to configure a COVID-19 patient's room into a variety of pressure environments. This flexibility allows field hospitals, temporary care units, nursing homes or ad-hoc locations the ability to maintain safety for patients and frontline staff.

NEGATIVE PRESSURE INSTALLATION

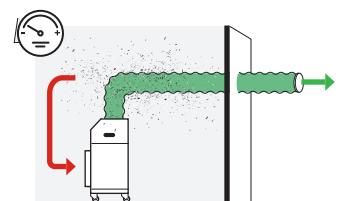
To prevent contaminated air from escaping a room, the TRI-KLEEN™ 500UV can be installed in negative pressure configuration. Operation of a negative pressure environment requires a technical ventilation setup. In this case, incoming air must be highly pure. We would be happy to support you with this type of installation.

POSITIVE PRESSURE INSTALLATION

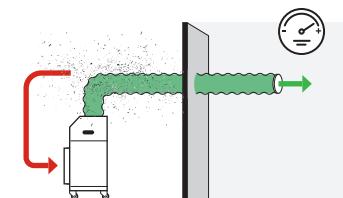
Positive pressure rooms are used for applications where the room's interior must remain clean and will not be contaminated by polluted outside air, for example airborne molecular contaminants or particles transported by microbes. TRI-KLEEN™ 500UV can remove these contaminants while pressurizing the room with clean air flow.

CIRCULATING AIR INSTALLATION

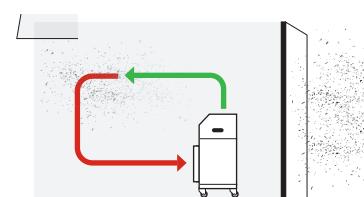
Closed rooms can be continuously cleaned of particles in circulation mode, which significantly improves the air quality. For example, the TRI-KLEEN™ 500UV can completely clean the air in a 3000 ft³ room up to 10x per hour.



Application with negative pressure:
TRI-KLEEN™ 500UV in negative
pressure room with air hose leading
outside

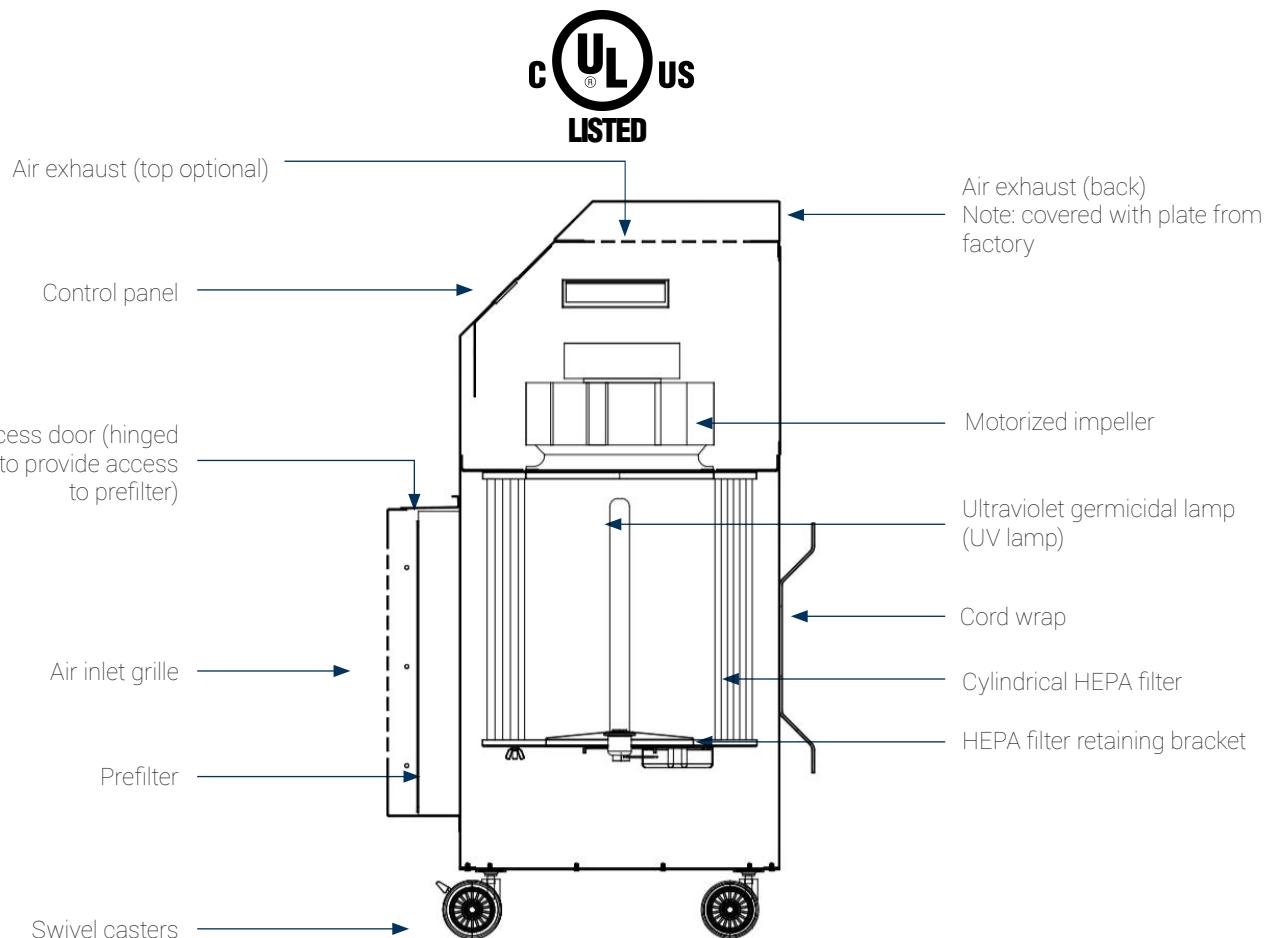


Application with positive pressure:
TRI-KLEEN™ 500UV outside with air
hose into the positive pressure room



Application with circulating air:
air cleaning in closed areas using
circulating air mode

Technical Information



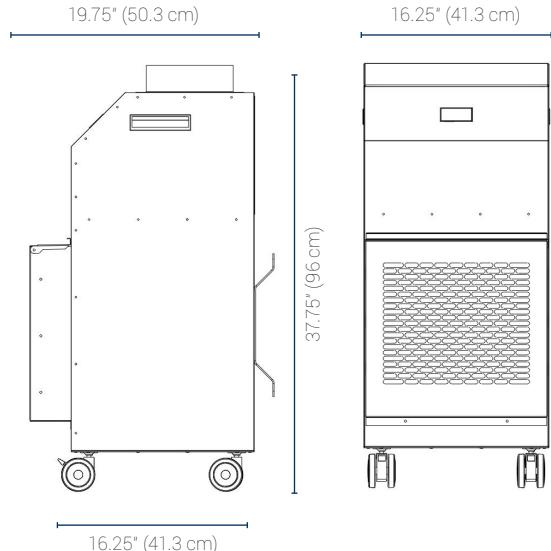
TRI-KLEEN™ 500UV FEATURES

TRI-KLEEN™ 500UV comes complete with an optional exhaust collar that will allow for a flex duct to be attached. This duct can be routed so that clean air is exhausted outside to create a negative pressure environment in a specific space.

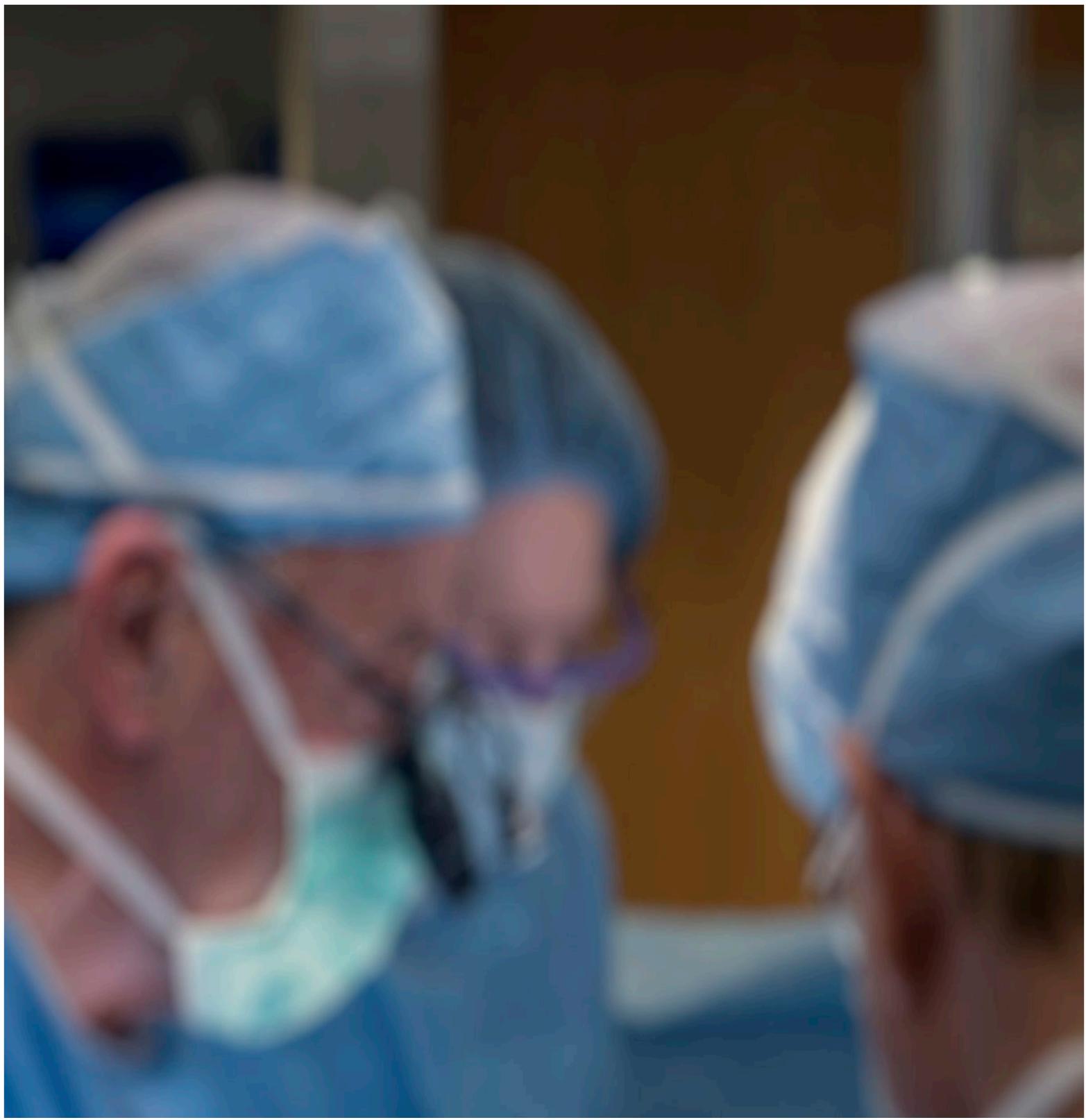
OTHER FEATURES INCLUDE:

- Three fan speed settings (90-210-500 CFM)
- Quiet operation (52- 59 dBA)
- Color touch screen with state-of-the-art controls
- Filter Health Indicator with audible alarm when filter change is needed
- Smooth-rolling swivel casters with two front brakes

Technical Information



FEATURE	SPECIFICATION
Net weight with filters	69 lbs
Shipping weight	81 lbs
Unit dimensions	W 16.25" x D 20.75" x H 37.25" (W 41.3 cm x D 50.3 cm x H 96 cm)
Shipping carton dimensions	W 20" x D 24" x H 44" (W 50.8 cm x D 61.0 cm x H 101.6 cm)
Power supply required	120 volts AC, 60 Hz, 15 amp circuit.
Max. current draw	2.5 amps
Automatic restart	Yes – the unit will automatically restart after temporary power interruption
Cabinet material	0.050" (1.3 mm) painted white steel
Control panel	LCD touch screen controls
Circuit breaker	5-amp integrated circuit breaker
Filter loading indicator	Filter loading visual/ audible alarm on LCD touch screen (audible alarm can be enabled/disabled)
Air flow ratings	3 speed settings produce an air flow range of 90 CFM to 500 CFM (150 m³/h – 850 m³/h)
Power cord	10' (3 m) long, 14/3 AWG SJT hardwired power cord
Sound level	52 dBA – 59 dBA
Prefilter	Standard prefilter: 2" (5 cm) deep pleated MERV 8 pre-filter.
HEPA filter	Cylindrical 99.97% efficient against 0.3 µm particles at max. air flow, with UV germicidal lamp integrated into the filter
Exhaust outlet	One exhaust grille located on top of unit. Exhaust grille dimensions: 12" x 8" (30.5 cm x 20.3 cm) Optional 8" nominal diameter (20.3 cm) exhaust collar included for connecting round ducting



i2M (innovation to market) is a manufacturing company that produces and markets high-tech filtration solutions. Our products help solve the many challenging problems faced in the areas of Clean Air, Clean Water, Life Science and Energy. As our name implies, we start with new and unique innovations, develop stable and quality manufacturing systems, and then launch these new products into the market.

Order Today!

Contact your local i2M representative
or visit www.i-2-m.com

Clean air is just a phone call away!

(919)272-9702



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