CONTROLLED AIR DESIGN
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Tri-Kleen™ 500UV

Portable Air Filtration Unit

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HEPA Filtration and Negative Pressure Machine

Negative pressure rooms are used in healthcare settings to contain airborne contaminants within an infected occupant's room. The Tri-Kleen™ 500UV is a negative air machine with a built-in HEPA filtration system to provide the most effective mechanical filtration available.

Portable Air Filtration Unit

This lightweight device creates negative pressure rooms for healthcare use, removing contaminated air from a closed controlled area. With HEPA filters contained within the unit, potentially dangerous particles are removed from the exhausted air at peak efficiency.
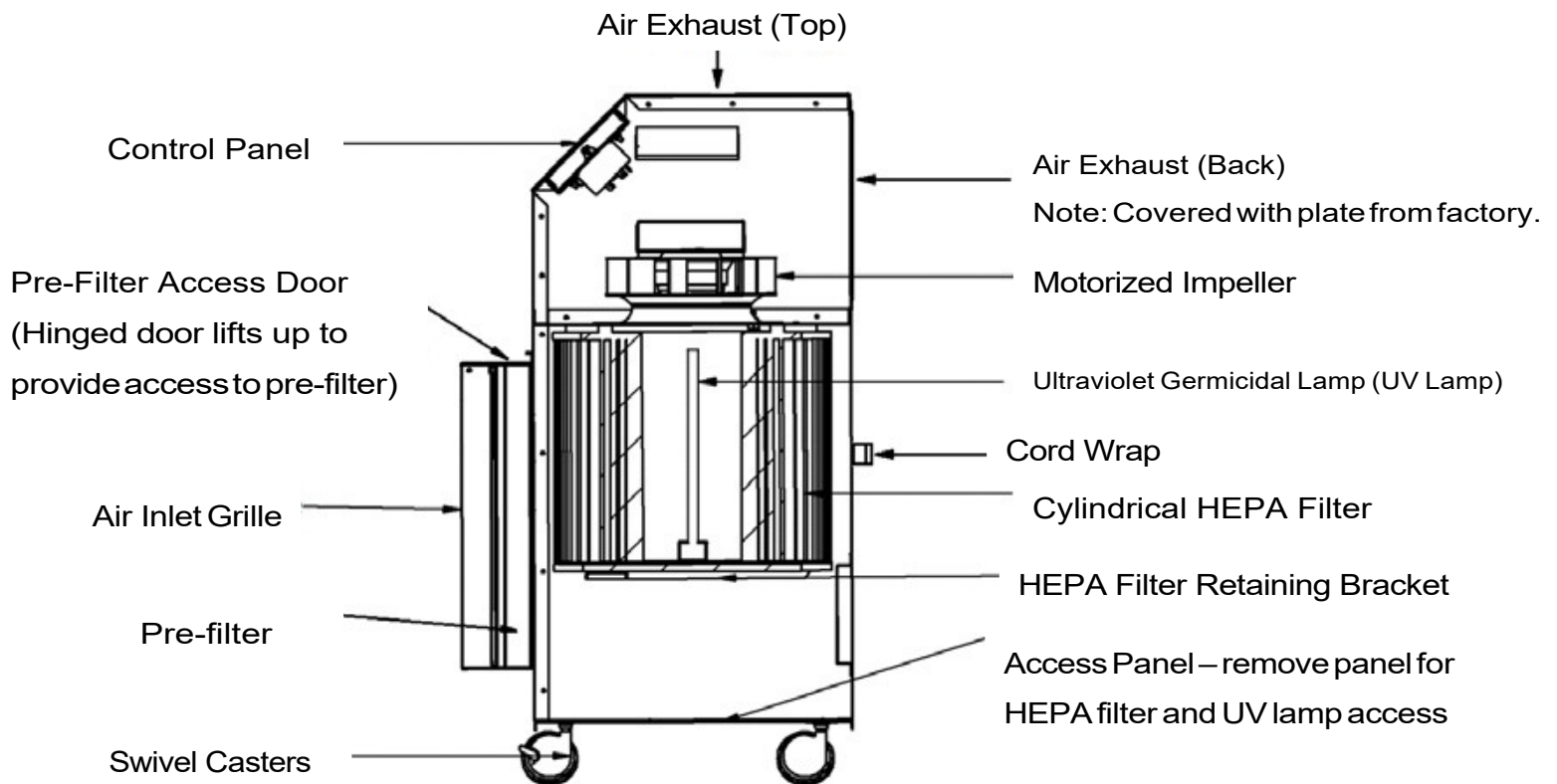
Tri-Kleen™ 500UV
Technical Information

Tri-Kleen™ 500UV features

TRI-KLEEN™ 500UV has an optional exhaust collar that will allow for a flex duct to be attached and allow for the air to be exhausted to created a negative pressure in a space to allow for containment in a specific space.
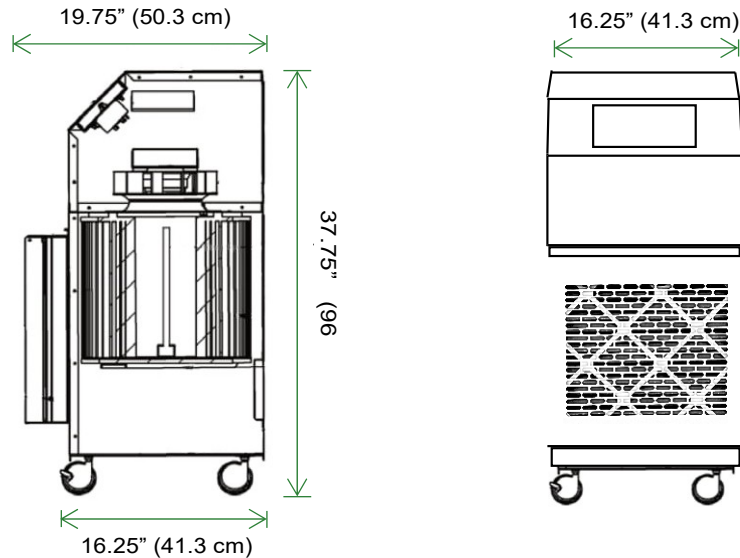Other features include:

- HEPA filter
- Three speed settings, from 90 cfm to 500 cfm
- Quiet (52 dBA – 59 dBA)
- Filter loading indicator with audible alarm
- Smooth-rolling swivel casters with two front brakes
- LCD touch screen with state-of-the-art touch pad controls

Air Exhaust (Top)

Control Panel

Air Exhaust (Back)
Note: Covered with plate from factory.

Pre-Filter Access Door
(Hinged door lifts up to provide access to pre-filter)

Motorized Impeller

Ultraviolet Germicidal Lamp (UV Lamp)

Cord Wrap

Air Inlet Grille

Cylindrical HEPA Filter

HEPA Filter Retaining Bracket

Pre-filter

Access Panel – remove panel for HEPA filter and UV lamp access

Swivel Casters

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19.75" (50.3 cm)

16.25" (41.3 cm)

37.75" (96)

16.25" (41.3 cm)

Features	Specification
Net weight with filters	52 lbs (23.6 kg)
Shipping weight	70 lbs (31.8 kg)
Unit dimensions	W 16.25" x D 19.75" x H 37.75" (*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 109 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) thick steel painted white
Control panel	LCD touch screen controls
Circuit breaker	5-amp integrated circuit breaker
Filter loading indicator	Filter loading visual alarm on LCD touch screen with audible alarm (audible alarm can be (enabled/disabled)
Air flow ratings	3 speed settings produce an air flow range between 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
Pre-filter	Standard pre-filter: 2" (*5 cm*) deep pleated MERV8 pre-filter
HEPA fitler	Cylindrical 99.97% efficient against 0.3 μm particles at max. air flow, with UV lamp integrated into the filter
Exhaust outlet	One exhaust collar located on top of unit. Exhaust collar 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