

GENERAL INFO

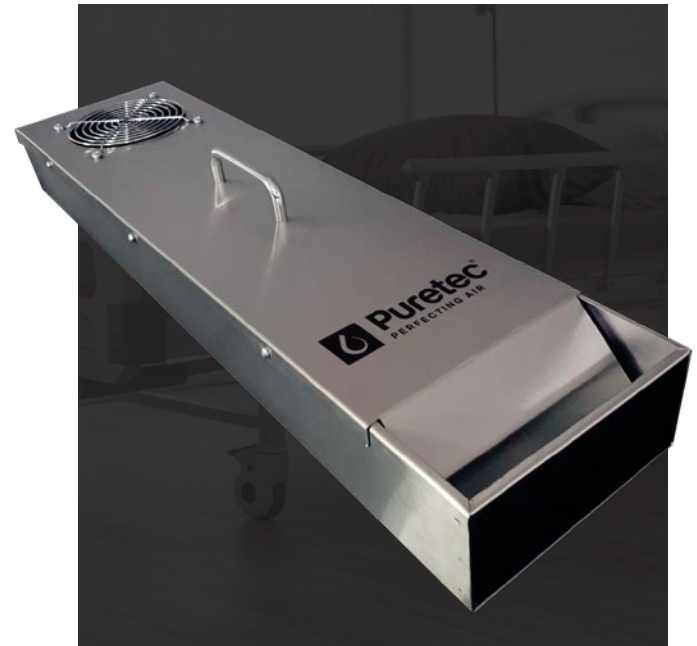
AIR SANITIZER

## Radfire™ Portable Air Sanitiser System

The Radfire™ Portable Air Sanitizer system is designed specifically for applications where maintaining hygienic conditions at all times is paramount like in healthcare facilities for example. It's stylish, stainless steel cabinet is not only durable and lightweight, but the unit is also portable making it the ideal choice for a movable disinfection unit. This system is highly effective at reducing HAIs (Hospital Associated Infections) and where cross infections occur due to human congregations during social functions and business practices.

### FEATURES & BENEFITS

- It's portable design makes it ideal for being transported quickly to treat areas quickly.
- Kills 99.9% of airborne micro-organisms including bacteria, viruses, fungi, moulds, and spores that pass through the system.
- Quick and easy plug-and-play installation.
- Uses Puretec Radfire™ ultraviolet technology, an eco-friendly process that does not use chemicals and cannot be overdosed.
- The stylish and compact stainless steel design makes the system durable and comes with an easy to carry handle.
- Maintenance is simple and can be completed in minutes as the lamp only requires replacing once a year.



Model Number:	RAS-160P
Replacement Lamp:	RL436-4
Fan Capacity:	160 m³/hr
Size:	116 mm (h) x 675 mm (l) x 175 (w)
Warranty:	3 years^

*Important Note: Use only genuine Puretec replacement lamp. ^3 year warranty is 1 year parts and labour, plus 2 years parts only. Excludes lamp.*

### UV DISINFECTION & COVID-19

Based on current disinfection data and evidence we believe UV disinfection can play a vital role in a multiple barrier approach to reducing the transmission of the virus causing COVID-19. UVC (UV light within the germicidal range) is a known disinfectant for air, water, and surfaces that when applied correctly can help to mitigate the risk of infection from the COVID-19 virus. Evidence suggests that UVC light applied within the correct parameters inactivates SARS-CoV-1 and MERS-CoV, two other coronaviruses that are near-relatives of the COVID-19 virus.

The guidance to hospitals from CDC is that the germicidal effectiveness of UVC is influenced by the UVC absorbing properties of the suspension, the surface or aerosol that the organism is in; by the type or action spectra of the microorganism; and by a variety of design and operating factors that impact the delivered UV dose to the microorganism. We acknowledge this and suggest that UVC disinfection is used with other technologies in a multi-barrier approach to ensure that whatever pathogen is not "killed" by one method (say filtering or cleaning) is inactivated by another (UVC). In this way, UVC could be installed now in clinical or other settings to augment existing processes or to shore up existing protocols where these are exhausted by excessive demands due to the pandemic.

#### HOW IT WORKS

As the fan draws the air in at one end of the unit, the air is irradiated by the Radfire™ ultraviolet lamp, killing airborne micro-organisms including, bacteria, viruses, fungi, moulds and spores.

The Radfire™ ultraviolet technology penetrates the cell wall of any DNA based contaminant, altering the DNA and rendering it unable to reproduce. Therefore deactivating the organism, effectively killing it.

The cabinet of the unit has been designed to fully contain all UV rays, making it safe for indoor applications and occupied areas.

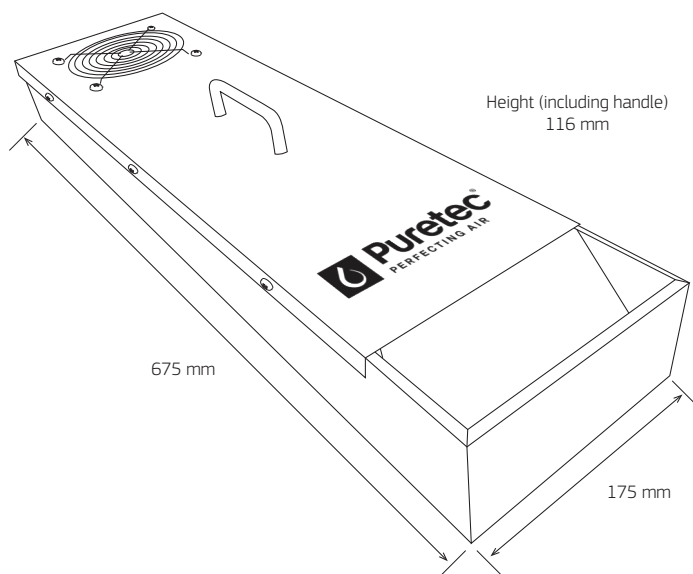
#### APPLICATIONS

The Radfire™ Portable Air Sanitiser system can be used anywhere indoors and in occupied areas\*.

Ideal use for:

- Hospitals - Intensive Care, Burns Unit, Emergency Department, Isolation Rooms etc.
- Out Patients - administration
- Nursing Homes - residents' rooms
- Clinics & Surgeries - Dentist, General Practice, Cosmetic
- Pharmacies
- Classrooms - Schools, Colleges, Universities, Kindergartens, Child Care Centres
- Office & Call Centre Buildings - Workplaces with high density staffing
- Meeting Rooms, Board Rooms and Conference Areas
- Hotels & Resorts - Function Rooms

#### PRODUCT DIMENSIONS



Application Notes: **1.** The RAS-160P is a portable air recirculating unit not an air filter. **2.** Direct irradiation of Radfire™ ultraviolet technology will be needed to effectively treat mould and mildew, HVAC coils and ducts and operating theatres. The RAS-160P does not treat via direct irradiation, contact Puretec for direct irradiation treatment models. Treatment of mould and mildew may also need further ozone treatment. **3.** Rooms which have housed patients with MDRO (multi drug resistant organisms), especially Resistant Staphylococcus Aureus (Golden Staph), need to be effectively sanitised before admission of a new patient. Golden Staph is a deadly organism, which can be fatal but can be eliminated by direct irradiation of Radfire™ UV technology. **4.** Areas being treated with direct irradiation MUST be UNOCCUPIED whereas the RAS-160P unit is safe to use in occupied areas due to enclosed cabinet.