



Health Technology Review	
Technology Ref.:	HTA22063
Technology Name:	PUREOSOUL UV-C AIR DISINFECTION SYSTEM
Approvals by International Bodies:	UVGI technology is recommended by ASHRAE, CDC and IUVA, and REHVA. PUREOSOUL/FMC-UVC/2101 is approved by CSIR-Under Ministry of Science and Technology, Government of India. The Conformité Européenne (CE) Mark from European Union (EU).
Company name:	KHANDAC MIDDLE EAST FZE
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Short Description of the Technology:	Ultraviolet -C light source emits light having high energy photons that inactivate viruses/bacteria contained in the air flowing through the HVAC duct or disinfection chamber. System design based on tonnage capacity/airflow and duct size of the HVAC system
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Health Technology Assessment Team Recommendation:	No Approval Required
Summary of Review:	
The device is using the technology of Ultraviolet -C light. The technology used to disinfectant air from bacteria, virus or mold present in the air as they pass through the air in HVAC system's air ducts. UV light air purifiers use ultraviolet lights to break down the genetic material of bacteria and viruses. Its intended use to destroy the outer protein coating of the virus. The destruction ultimately leads to inactivation of the virus. the effectiveness of the technology depends on the direct exposure, dose and duration. It could be installed in air duct in different sites and transportation.	
Advantages	Disadvantages
The technology helps in killing the germs and viruses which Improve the quality of the air, making it cleaner and fresher.	Direct UVC exposure to human skin or eyes may cause injuries
The device Installation of UVC within an air duct is less likely to cause exposure to skin and less to cause harm to user.	limited published data about the wavelength, dose, and duration of UVC radiation required to inactivate the SARS-CoV-2 virus.
Enhance the quality of disinfection process & Improve disinfection technique	
CE Marked Device	

Since it is a consumer product but not a medical product there is no requirement for DOH approval or marketing authorization. We would highlight furthermore:

- This product will not replace any infection control and sanitization measures mandated by Abu Dhabi or UAE government for healthcare facilities or public places.
- Hence, DOH recommendation is to only use this technology as an additional measure for the



prevention of infectious diseases.

- We recommend that the company approach ADQCC to ensure the compliance of the product with safety and quality measurements; The company shall prove that the highlight material is no toxicity / harmfulness for humans (i.e. cleaning staff as well as patients and healthcare professionals using the room)

Therefore, from our point of view this technology has great ability but does not require DOH approval.

Technology Image

