



Health Technology Review	
Technology Ref:	HTA21012
Technology Name:	DuctFIT®
Approvals by International Bodies:	National Spanish accreditation body Entidad Nacional De Acreditación (ENAC) and Spanish National Research Council (CSIC)
Company name:	Clean air Spaces
Agent in UAE:	Framework Middle East DWC – LLC
Email:	N/A

Short Description of the Technology:	ductFIT™ (Catalytic Antiviral Super-oxidation) technology that eliminates more than 99.9% of all kinds of kinds of enveloped or encapsulated viruses pathogens on surfaces and in the air, both in work spaces and at home by affecting the viruses' lipid membrane or proteins. The technology was tested by Biosafety laboratories and hospitals around the world where it generates molecules that inactivate viruses (Including coronavirus), bacteria, and other toxic pathogens in air and surfaces.
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Health Technology Assessment Team Recommendation:	No Require DOH Approval
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Summary of Review:

ductFIT™ CAS technology uses UV Light stimulates as a catalytic coating which reacts with the water vapor in the air, then the H2O2 purifying molecules are generated and they are continuously distributed over air and all surfaces. These molecules inactivate the virus, disabling its capability to infect and subsequently dying. DuctFIT® can be placed in 3 areas; in the air vent, as a stand-alone unit and in the car.

Advantages	Disadvantages
Eliminates over 99.9% of pathogens including but not limited to Coronavirus, H1N1 and Enterovirus.	Risk of information security since the data gets uploaded to cloud platform which belongs to the Clean air spaces
Eliminates pathogens on air and surfaces continuously.	Difficulty in maintaining and repairing the device.
Certified safe to use in hospital and other environments, can be used in clinical trial with Covid patients	High initial costs of operating and maintaining for the device since the spare part and filters prices are not clear
Safe for humans as there is no chemicals used	Risk of automation failure
100% automated in operation and monitoring.	
Retrofitted in current HVAC systems.	
Real time visualization and remote management	

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

- There is no strong evidence that the product could 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 DucFIT® as an additional measure for the prevention of infectious diseases.

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

Technology Image

