

TECHNICAL SPECIFICATION



Model:	Techniclean 5000 UV-c6S duct mounted grease and odour control system	
Purpose:	<p>A slim-line in-duct unit designed to break down odour and grease in the kitchen extraction air by the mechanism of photolysis and ozonolysis - combining high intensity UV-c light with ozone technology. It should be placed as close to the kitchen canopy as possible to reduce grease build up in the downstream ductwork.</p> <p>Can be used on its own or in combination with an electrostatic precipitator for the control of grease, smoke and gaseous odours. Utilising the latest long-life lamps with perfectly matched power supplies, the unit delivers superior performance and enhanced lifetime.</p> <p>The units feature high output UV-c lamps which produce ozone. Grease and odours from the cooking process are attacked first by UV-c light in a process known as photolysis. Ozone then continues to act as the exhaust air moves through the ductwork by a process known as ozonolysis.</p> <p>This reduces grease in the ventilation ductwork so saving money on duct work cleaning and the maintenance of downstream equipment. The airborne grease and odour removed, would otherwise be a nuisance to neighbouring properties.</p>	
Features & Benefits:	<ul style="list-style-type: none"> • Slim-line, small footprint design • High intensity UV-c and ozone technology • Perfectly matched power supplies combined with long lasting lamps • Destroys grease and gaseous odours • Dramatically reduces ductwork cleaning • Low cost and limited maintenance requirements • Enables heat recovery due to grease-free air 	
Dimensions:	533H X 1090W X 220D mm	
Technical Data:	Capacity max.	1.4 m ³ /s (Normal) - 1.1 m ³ /s (Heavy)
	Supply	1ph / 230V / 2.27A per frame
	Power	0.522 kW per frame
	Weight	25kg
	Pressure drop	50Pa (no light guard)
General:	Multiple units can be joined together for increased volume or efficiency	
Finish:	Blue Epoxy Powder Coat	
Accessories:	Nil	
Delivery:	Stock item	
Approvals:	Plasma Clean air cleaners comply with current CE requirements and EMC standards. Certificates are available on request.	
Warranty:	One year manufacturer's warranty for parts and labour plus an additional 12 month warranty on parts only. Terms and conditions apply. Optional maintenance packages available, sold separately.	
Terms:	In accordance with our standard terms of business.	

MAINTENANCE

A Plasma Clean service contract is available (please enquire) and in any case Plasma Clean would recommend:

- Servicing is normally confined to the regular cleaning of the UV-c lamps as part of a maintenance programme managed by Plasma Clean or a Plasma Clean approved contractor
- For maximum efficiency establish a regular cleaning cycle based on routine checks of the UV lamps during the first few months of use.
- The UV lamps have a normal operating life of 10,000hrs after which time they should be replaced

Technical Drawing: Techniclean 5000 UV-c6S

Please contact our Technical Helpdesk if a CAD drawing is required.

