

## TECHNICAL SPECIFICATION



<b>Model:</b>	Techniclean 7500 UV-c8S duct mounted grease and odour control system	
<b>Purpose:</b>	<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>	
<b>Features &amp; Benefits:</b>	<ul style="list-style-type: none"> <li>• Slim-line, small footprint design</li> <li>• High intensity UV-c and ozone technology</li> <li>• Perfectly matched power supplies combined with long lasting lamps</li> <li>• Destroys grease and gaseous odours</li> <li>• Dramatically reduces ductwork cleaning</li> <li>• Low cost and limited maintenance requirements</li> <li>• Enables heat recovery due to grease-free air</li> </ul>	
<b>Dimensions:</b>	533H X 1550W X 220D mm	
<b>Technical Data:</b>	Capacity	2.1 m <sup>3</sup> /s (Normal) - 1.5 m <sup>3</sup> /s (Heavy)
	Supply	1ph / 230V / 3.02A per frame
	Power	0.7 kW per frame
	Weight	30kg
	Pressure drop	50Pa (no light guard)
<b>General:</b>	Multiple units can be joined together for increased volume or efficiency	
<b>Finish:</b>	Blue Epoxy Powder Coat	
<b>Accessories:</b>	Nil	
<b>Delivery:</b>	Stock item	
<b>Approvals:</b>	Plasma Clean air cleaners comply with current CE requirements and EMC standards. Certificates are available on request.	
<b>Warranty:</b>	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.	
<b>Terms:</b>	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 7500 UV-c8S**

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

