



TECHNICAL SPECIFICATION

Model:	Techniclean Mini 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:	100H X 120W X 555L mm	
Technical Data:	Capacity max.	0.43 m ³ /s (Normal) - 0.29 m ³ /s (Heavy)
	Supply	1ph / 230V / 0.87A per frame
	Power	0.2 kW per frame
	Weight	3kg
Installation:	The unit is installed directly inside the ductwork via an access panel.	
Dwell time:	Two seconds dwell time is recommended for ozone injection devices. This equates to 12-16m of straight ductwork (assuming a linear velocity of 6-8m/s). Where activated carbon is installed, the duct length can be reduced, as activated carbon increases the dwell time. It is recommended to allow 4m between the UVC device and the activated carbon to allow sufficient reaction time.	
General:	Multiple units can be joined together for increased volume or efficiency	
Finish:	Grade 304 Stainless steel	
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



PLASMA CLEAN LIMITED, SBIC, Broadstone Mill, Broadstone Road, Stockport, Cheshire SK5 7DL UK
T +44 (0)161 870 2325 | E ask@plasma-clean.com | W www.plasma-clean.com