



TECHNICAL SPECIFICATION

Model:	Combined Electrostatix PCL 5000 ESP/UV-c 'in-duct' electrostatic precipitator with integrated UV-c complete and ready for operation	
Quantity:	One	
Purpose:	Plasma Clean's combined ESP / UV-c is designed for the high efficiency removal of grease, smoke and odour in commercial kitchen exhaust applications. It should be placed as close to the kitchen canopy as possible to reduce grease build up in the downstream ductwork. Direction of air flow (right to left; left to right) is to be specified on ordering	
Construction:	Purpose built unit with access doors on one side for the withdrawal of the filter components	
Features & Benefits:	<ul style="list-style-type: none">• Integrated grease, smoke and odour removal keeps extract ductwork virtually grease free• Stainless steel spiked ioniser blades offer significantly longer life than wire ionisers• Extra depth collector cells provide greater collection efficiency• Long life UV-c lamps• Low pressure drop - 140Pa (dirty)• 95% single pass particle removal efficiency (ESP section)• Ability of heat recovery due to grease-free air• Two year parts only warranty, subject to maintenance	
Dimensions:	533H x 1090W x 855D mm	
Filtration:	Each unit incorporates a 4 stage filtration system consisting of: <ol style="list-style-type: none">1) Aluminium pre filter2) Combined electronic Ioniser / Electrostatic collector cells3) Aluminium post filter4) UV-C lamp frame containing 6 or 8 high output UV-c lamps	
Control lights:	On/Off switch with indicator lamp	
Technical Data:	Capacity max.	1.4 m ³ /s
	Supply	1 phase / 230Vac / 5A / 50Hz
	Power	< 750W
	Weight	92kg
	Pressure drop	140Pa (dirty filters)
Power supply:	High frequency solid state design	
General:	Multiple units can be joined together for increased volume or efficiency	
Finish:	Blue Epoxy Powder Coat	
Accessories:	Nil	
Delivery:	Generally two weeks from order - please enquire	
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

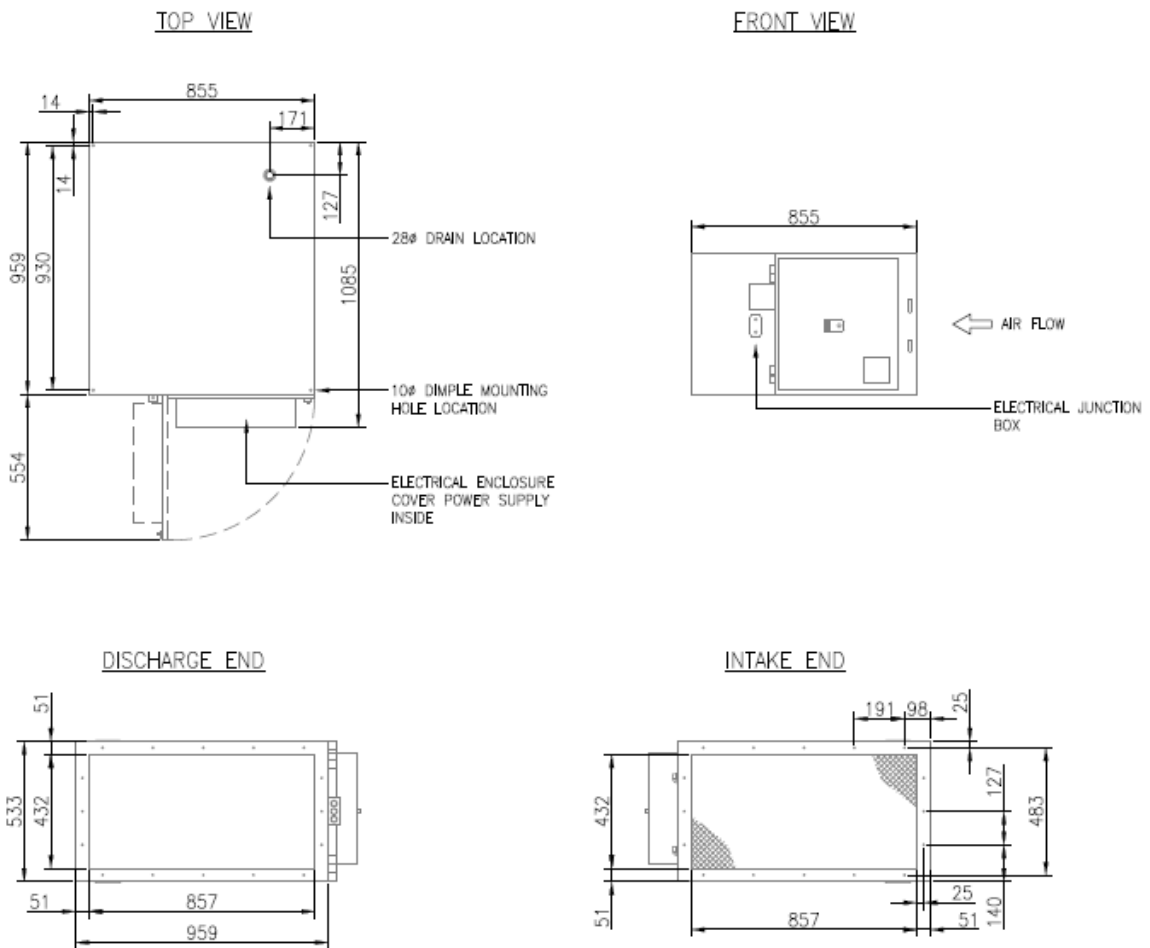
WARNING - THIS PRODUCT CONTAINS LAMPS THAT EMIT UV-c LIGHT. IMMEDIATE OR PROLONGED EXPOSURE TO UV-c LIGHT CAN RESULT IN PAINFUL EYE INJURY, SKIN BURN, PREMATURE SKIN AGING OR SKIN CANCER. MAINTENANCE IS TO BE CARRIED OUT BY FULLY TRAINED PERSONNEL ONLY.

A Plasma Clean service contract is available (please enquire) and in any case Plasma Clean would recommend Plasma Clean trained personnel to carry out the following :

- Servicing is normally confined to the regular cleaning of the electrostatic filter components (steam or degreasing fluid) and UV-c lamps (detergent followed by isopropyl alcohol).
- The aluminium prefilters require washing when dirty
- For maximum efficiency establish a regular cleaning cycle based on routine checks of the ionisers, collector cells and UV-c lamps during the first few months of use.

Technical Drawing: Combined Electrostatix PCL 5000 ESP/UV-c

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



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