

Date: 18th November 2024

Site: Six Twelve, Fountain Street, Manchester

Kitchen Extract Grease Management and Odour Control Ongoing Maintenance Requirements

Canopy Mounted Eco Fleece Filters

Carried out by – End User, Kitchen Staff

Greasy vapours drawn through Ecofleece filters naturally adhere to the wool fibres upon contact.

The Grease Baffle Filter construction has been specially configured to provide just the right dynamics to deal with virtually all the airborne contaminants, without noticeably affecting air flow. Much of the incoming contaminants collides with and adheres to the outer fibres of Ecofleece. The wool then ‘wicks’ the collecting material along the fibres and into the core of the wool filter, helped by the flow of passing air.

The contaminants adhering to Ecofleece are stored along the wool fibres, rather than within the spaces between the fibres. This prevents premature blocking. As the wool fibres approach the limit of material that they can hold, small droplets of grease begin to form on the outer fibres of the face of the wool filter. These droplets are the prime visual indication that the filter needs to be replaced (a “weeping” filter).

A grease deposit guide providing indicative frequency of wool media replacement is supplied with this document. Plasma Clean Air will provide staff training post installation.

TR/19 Canopy, Extract Ductwork and Extract Fan

Carried out by – BESA TR/19 Cleaning Contractor

Recommendation – Plasma Clean Air

BESA TR19 Guidelines

Perceived level of grease production	Typical Example	Cleaning intervals (months)			
		Daily usage			
		Up to 6 hours	6-12 hours	12-16 hours	16+ hours
Low	No significant production of grease laden aerosols during normal daily food production operations	12	12	6	6
Medium	Moderate production of grease laden aerosols during normal daily food production operations	12	6	4	3
High	Heavy significant or continual production of grease laden aerosols during normal daily food production operations	6	3	3	2

With this restaurant we anticipate that there will be high levels of grease produced over a 6–12-hour daily period. In line with BESA Guidelines, TR/19 duct cleans will be required at 3 monthly intervals as standard. As high efficiency canopy mounted Eco Fleece filters are to be installed, very high levels of grease will be captured at source. With the high efficiency canopy filters, we anticipate TR/19 cleans will be required every 6 months. We propose to carry out TR/19 inspections when the ESP is serviced and take Micron readings within the canopy and extract duct at different points in the extract system to determine if the grease levels are above 200 microns. If the micron readings are at 200 microns during an ESP visit a manual clean would be carried out sooner. TR/19 cleaning reports will include before and after photos, before and after micron readings and a TR/19 certificate.

Reference - TR/19 – 7.32 – 36

Unit 2 Radiant Works | Burnley Road | Rossendale | Lancashire | BB4 8EW

TEL: 01706 260378 / 07412 680374 EMAIL: info@ck-assistance.co.uk

www.ck-assistance.co.uk

ESP Service Cleaning Frequency

Carried out by – ESP Supplier, Plasma Clean Air

The ESP system will remove grease and smoke particulate from the air stream before reaching atmosphere. With this application we can expect high levels of grease and moderate levels of smoke produced on that basis we would recommend ESP service cleans by the supplier every 3 months. Service reports will include before and after photos to confirm level of cleaning and grease levels measured to determine ongoing ESP cleaning frequency.

UV Ozone System

Carried out by – UV Ozone Manufacturer, Plasma Clean Air

The UV ozone system removes gaseous cooking odours within the extract ductwork before reaching atmosphere. The UV Ozone system requires an annual manufacturer service which will include replacing the pre filter and UV lamps.

Whilst every effort has been made to offer realistic time scales, there may be some items which need to be cleaned or replaced at different frequencies to those shown above. It is the responsibility of the owner/operatives to monitor the frequencies as the Contractor cannot accept responsibility for maintenance issues arising from customer neglect.

Site: Six Twelve, Fountain Street, Manchester

Cleaning & maintenance schedule – Ventilation system

TASK:	ONCE WEEKLY:	TWICE WEEKLY:	MONTHLY:	QUARTERLY:	SIX MONTHLY:	ANNUALLY:	BY:
Canopy hood, ductwork and fan					Cleaned		BESA TR/19 cleaning contractor
EcoFleece filter(s)			Replaced				Owner / Operator
Panel filter(s)					Replaced		Owner / Operator
Electrostatic precipitator (ESP)				Service and clean			Plasma Clean Air Ltd
UV Ozone system						Service – Replace prefilter and UV lamps	Plasma Clean Air Ltd

Please note that the schedule shown above is an estimation only. Whilst every effort has been made to offer realistic time scales, there may be some items which need to be cleaned or replaced at different frequencies to those shown above. It is the responsibility of the owner/operatives to monitor the frequencies as the Contractor cannot accept responsibility for maintenance issues arising from customer neglect.