

A new specification for the fire risk management of grease accumulation within kitchen extraction systems

TR19[®] Grease is a new specification, issued in July 2019 by The BESA (Building Engineering Services Association), which specifically focuses on the fire risk management of grease accumulation within kitchen extraction systems.

It expands upon and replaces what had been one section of the second edition of the TR19 regulations that provided guidance on duct and kitchen extract system cleaning. Rather than simply providing best-practice guidelines, the new TR19[®] Grease standalone document is a specification in its own right which must be followed by contractors operating in the sector under this specification.

Why TR19[®] Grease?

The risk of fire from the build up of grease deposits in kitchen extract systems and the expectations of building occupiers and legislators has resulted in an ever more stringent level of ventilation system cleanliness being required, and TR19[®] Grease details precisely what is required to manage that risk.

What's new?

- Contractors carrying out extract cleaning work must be members of the Building Engineering Services Competence Assessment (BESCA) Ventilation Hygiene Elite (VHE) Scheme if they wish to certify their work as TR19[®] Grease
- Members of the VHE Scheme must also abide by the BESCA Code of Conduct
- TR19[®] Grease introduces minimum competency levels for technicians carrying out and signing off on-site kitchen extract cleaning. Technicians must now have completed specialist training and hold the BESA Grease Hygiene Technician (GHT) qualification.
- Every time a kitchen extract clean is carried out the contractor must register on the BESCA VHE portal where and when the clean was carried out and whether the system was fully or partially cleaned. A certificate will then be produced to provide evidence of the compliance of the clean (a small fee is charged by BESCA for each certificate).
- Cleaning frequencies must be regularly reviewed to ensure that grease can be controlled at safe levels. Grease levels must be controlled so as to not exceed a mean average of 200 microns between scheduled cleans.


How will the new Ventilation Hygiene Elite scheme ensure that best practice is observed?

- BESCA will monitor and audit the compliance of VHE members, both with its code of conduct and with the TR19[®] Grease specification
- VHE members will be audited at regular intervals by BESCA auditors, who will review a selection of completed post-clean reports for compliance auditing purposes.
- BESCA will be able to revoke or reject the membership of contractors who are considered to be in breach of the VHE Scheme's requirements or code of conduct.

Call for more information: **01789 400170**

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Post Clean Report (PCR) - Executive Summary Page

Client:
System:
Date: 17th July 2019

This Executive Summary should be used alongside: Building Engineering Services Association (BESCA) publication TR19: Internal cleanliness of ventilation systems, and is designed to aid further guidance to TR19 section 7.3.1 – 7.3.6.
Aquavent Environmental Services Limited (AEL) have a duty of care to inform our client of fire risks under Article 11 the Regulatory Reform (Fire Safety) Order (RRO). Our clients need to be informed if the system is cleaned in its entirety, and if it is not, be given clarity as to what sections have not been cleaned.

Has system been cleaned in its entirety: **No**

Key Risks: Areas which remain inaccessible due to historical non-conformities and are potential fire risks	Reasons and Recommendations
Drawing 1/3 - Pic 2-4, p102-3 of MA (2016) Survey Doc. The extract ductwork riser from the canopy was found to be in poor condition with high deposits.	AV recommends a stainless steel hung access hatch to canopy. Quote submitted AVH330, 15.09.19
Drawing 1/3 - Pic 5-6, p104 of RA. The extract ductwork located within the kitchen was found to have high deposits.	As above.
Drawing 1/2 - Pic 7-8, p105. Turning Vanes The extract ductwork located within the kitchen was found to have high deposits.	AV quote submitted AVH305, 11.02.19. PO received. Works scheduled - 21.08.19.
Drawing 1/3 - Pic 9-10, p106. Very high deposits were found within the extract risers from the second canopy.	AV recommends a stainless steel hung access hatch to canopy in order to access and clean this area. Quote submitted AVH330, 15.09.19
Drawing 1/3 - Pic 11, p107. The extract ductwork from the kitchen to the adjoining corridor was found to be high in grease deposits.	Quote submitted AVH330, 15.09.19 Walls prevent new access panels being installed to gain adequate access to clean. TM to survey with AV 07/09.19.

1