

NEW REGULATIONS FOR POLLUTION CONTROL UNITS FOR COMMERCIAL COOKING

NEWLY ISSUED UL 8782 AND REQUIRED TESTING

KITCHENVENTILATION.COM

KNOWLEDGE BY **Halton**

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BACKGROUND

- Until recently, there has been no regulation dedicated specifically to Pollution Control Units for Commercial Cooking.
- Most PCU's have been listed to
 - **UL 1978** standard for Grease Duct Construction
 - **UL 710** Standard Exhaust Hoods for Commercial Cooking Equipment
 - **UL 867** Electrostatic Precipitators



UL 8782 – POLLUTION CONTROL UNITS FOR COMMERCIAL COOKING



- **UL 8782** - new Outline of Investigation published by Underwriters Laboratories
- Certification of “Pollution Control Units for Commercial Cooking.”
- First outline designed to be used for pollution control units installed inline in grease ductwork which is serving restaurants.
- Supersedes previous Standards that manufacturers have used (UL 710, 1978, 867)
- Manufacturers’ pollution control units should comply with this new outline in April of 2020.

ITEMS THAT WILL BE REQUIRED FOR TESTING FOR UL 8782

1. Verifying that the temperature of electrical components, other components, and the exterior skin temperature are within limits after stabilization with the incoming air at 500 F (260 C).
2. Performing a simulated fire by heating the incoming air up to 2,000 F (1093 C) and verifying that the unit does not leak to the outside.
3. Verifying that access doors are grease tight.
4. Subjecting exterior control panels and components to a rain test to ensure they remain liquid tight.
5. Getting reduced clearance to combustibles.



HALTON CODE COMPLIANCE



- Halton's *Pollustop* Pollution Control Units are complaint with:
 - **UL8782**
 - Certification of "Pollution Control Units for Commercial Cooking."
 - **NYC Dept of Environmental Protection listing**
 - Required if live fuel or char broilers are used (>875 lbs/wk).
 - **FDNY COA**
 - Certificate of Approval by FDNY

CONTACT THE EXPERTS

- Learn more about Halton Group's Pollustop PCUs along with their complete commercial kitchen line by going to <https://www.halton.com/products/pollution-control-unit-pst-na-en/>
- Contact the Technical Air Systems' Sales Engineering Team at **973-285-0333** or by email at solutions@technicalair.com
- Learn more about Technical Air Systems, Inc at <http://www.technicalair.com/>
- Subscribe to Kitchen Ventilation: Knowledge by Halton by going to <https://kitchenventilation.com/subscribe-to-receive-commercial-kitchen-ventilation-blogs/>

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