

## **Water Leak Testing of New Grease exhaust vent systems.**

Summary: A high pressure multi-nozzle spinjet is to be passed through all new grease exhaust vent systems to check for any leakage in the system plus to check for adequate access and other problems that can be repaired during the construction phase. All water used in the test must be collected in some fashion for discharge to a sewer.

1. Enviromatic Corporation(Testing Contractor) to receive notification that plans for each store are ready to be proper access and for the water testing.
2. Customer to forward the contact information for the Job Superintendent to Testing Contractor's scheduling department.
3. The water testing job is to be scheduled for after the welded grease exhaust system with the hood and all access plates are installed. At least two-weeks prior arraignments will be given to the job superintendent from the Testing Contractor.
4. All testing is to be done before any fire-wrap is installed.
5. Testing Contractor to verify water availability, building access, electrical availability, amount of high pressure hose needed to reach all areas of system, and any needed roof access with Site Superintendent when scheduling job and also during job reminder phone call that is to be made by Testing Contractor to the Job Superintendent the working day before the job is scheduled.
6. An e-mail confirmation is to be sent to the Construction Manager after initial scheduling as defined in #3 above.
7. A water source where a hose can be connected will be needed. If not available, a portable or separate self contained water source will be brought with. Total amount of water needed depends on length of system and retesting needed, to be calculated and allowed for by the Testing Contractor.
8. A high pressure washer is needed with minimum capabilities of 1000PSI @ 4GPM. (Must check with Site Superintendent on power availability if using electric unit)
9. Plenty of high pressure hose along with a 6" or 12" spinjet (or Roto-nozzle) required.
10. The work is to start at the discharge portion of the system (or at the electrostatic precipitator where applicable) and work the nozzle through the system at a rate of approximately one foot every five seconds until it reaches the hood.
11. With the hood in place, the Testing Company will have to collect 100% the water similar to a routine cleaning with the hood taped and clamped up with at least three mil clear poly (Plastic) funneling into a large watertight brute (or similar) bucket.
12. A water vacuum will be used to make sure all excess water is removed from hood and duct when done.
13. The general contractor's welder with welding equipment, a bright portable light, and a torch will be on-site with access to all parts of the system so he can spot any leaks and do any repairs where needed.
14. The welder will need the torch to dry off any moisture in the welds prior to re-

- welding any leaks.
15. If the duct leaks, the leaks shall be repaired and the test is to be redone
  16. Additional leaks are to be repaired and re-tested until no leaks exist. This way the testing and repairs can be completed in one day.
  17. The Testing Company is to dry out the duct, remove the plastic and return system to same condition as found (with leaks repaired).
  18. The Testing Company will take pictures of the system and procedure.
  19. Invoicing sent to Construction Coordinator from Enviromatic shall include a completed verification leak testing report that system is liquid tight as specified by NFPA96 guidelines.