



## Larkin High Efficiency Grease Filtration System

The dual-stage filtration system that Larkin offers uses a higher efficiency vortex filter along with a packed bead bed filter to remove 99% of all grease particles from 3 to 10 microns in size, out of the air-stream. The two-stage high efficiency filtration system is designed for heavy-duty grease applications and can be used with solid fuel cooking appliances. Using this high efficiency grease extraction system will reduce the amount of grease exhausted into the atmosphere and help maintain a clean kitchen ventilation system by capturing most all of the produced grease, at the front-end of the ventilation system.

### Some advantages to using this system includes:

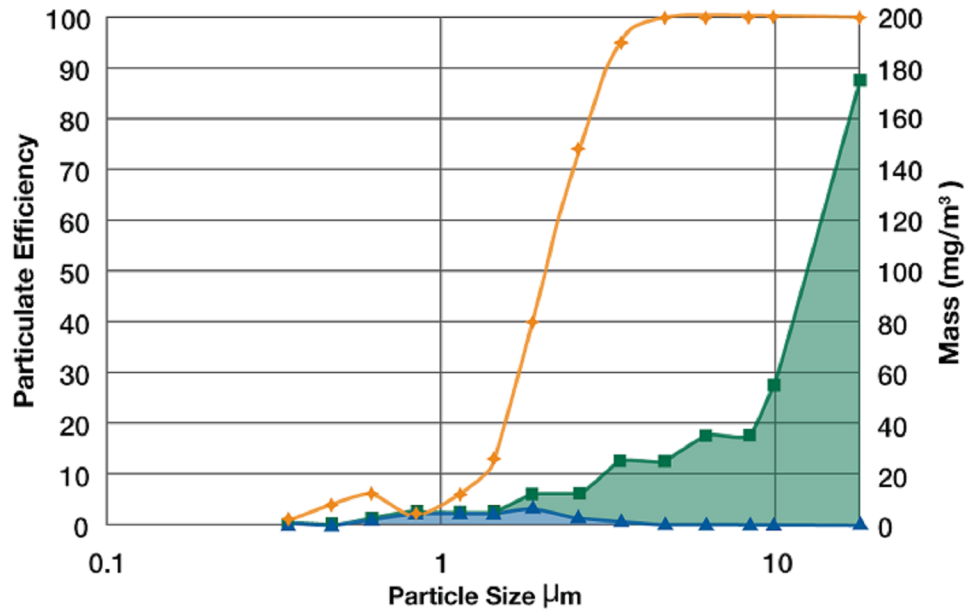
- Reduced grease build-up on roof structure and less grease-soiled fans/roof areas
- Periodic cleanings of duct and fans are made easier and can possibly lengthen necessary cleaning intervals
- In some cases, can eliminate the need for costly, downstream air purification systems
- Reduces the risk of fires by mitigating the amount of grease build-up in the exhaust duct systems
- In some cases, less grease being exhausted from the ventilation system may result in less odor and complaints from neighboring establishments
- Filter efficiencies verified by testing to ASTM F2519-2005 test standard



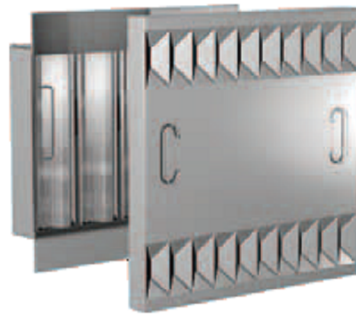
### Here is how it works:

- The Vortex style filter is the primary filter that removes large grease particles using centrifugal force. The centrifugal force, forces grease particles out of the air stream as they travel through the filter in a corkscrew like path
- The packed bead bed filter is the secondary stage that uses a ½-inch packed bead bed to remove the small particles of grease that are not removed by the first stage vortex filter. This multistage filter provides excellent grease capture efficiency.

### Mass & Grease Extraction Efficiency vs. Particle Size for Dual Stage Filter Over Griddle with Hamburger



■ Gas Griddle Hamburger Emissions    ▲ Griddle after Dual Stage Filter    ◆ Efficiency Dual Stage Filter 600 CFM



- Tested to ASTM F2519-2005
- UL 1046 Listed
- NSF Certified



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