



GREASE LOCK SYSTEM

MANAGE YOUR EXHAUST HOOD
THE SAFE WAY



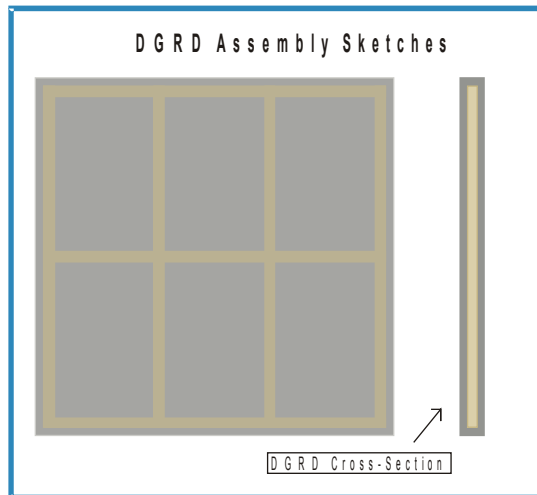
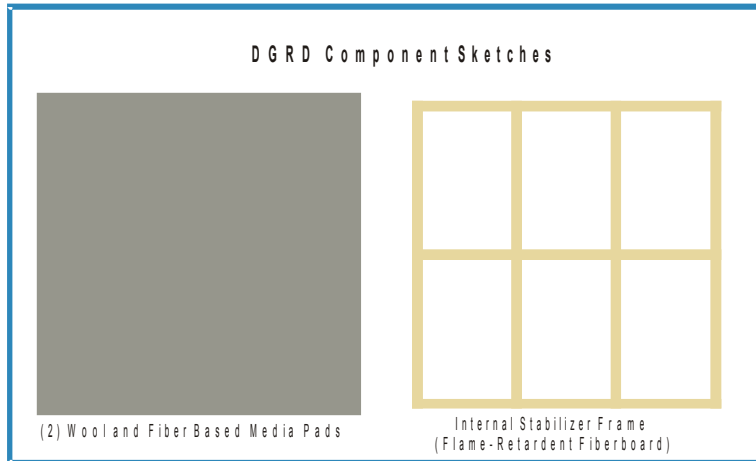
Proactive Airborne Grease Management

- **Dramatically reduces buildup of grease contamination throughout Commercial Kitchen Ventilation (CKV) system which is a major foodservice operation management issue**
- **Either proactively manage CKV grease contamination when it is easy to get at or continue reactively when it is difficult to get to and causing problems**
- **The Grease Lock System's new disposable Grease Lock Filters offer Proactive Airborne Grease Management**
- **Also good for our Environment ...
Conserves Water .. Reduces Pollution .. Saves Energy**



Grease Lock System – Grease Lock Filters

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Patent Pending

- Model: **Grease Lock Filters**
- **2nd Generation, Disposable Grease Removal Device (DGRD)**
- Completely **Disposable** Design...solid waste stream
- Wool-based Media with Embedded Stabilizer Frame made of Flame-Retardant Fiberboard...certified as UL1046 Recognized Component, patent pending
- Unique Add-On Device...does not replace UL1046 Baffle Filter
- High-Efficiency...removes 98+% of Grease Particles in 8 to 10 micron size range from air stream
- No significant air flow reduction and pressure drop increase across grease loaded DGRD...no exhaust fan upgrade required
- Flame Barrier...capable of withstanding normal flare-ups



Grease Lock System

Simple Installation

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Upper
Z-Bracket

Lower
Z-Bracket



Completely
Disposable Wool-
Based Filters

Easily Changed
By Customer

Standard 20" width

Patent Pending

Grease Lock System

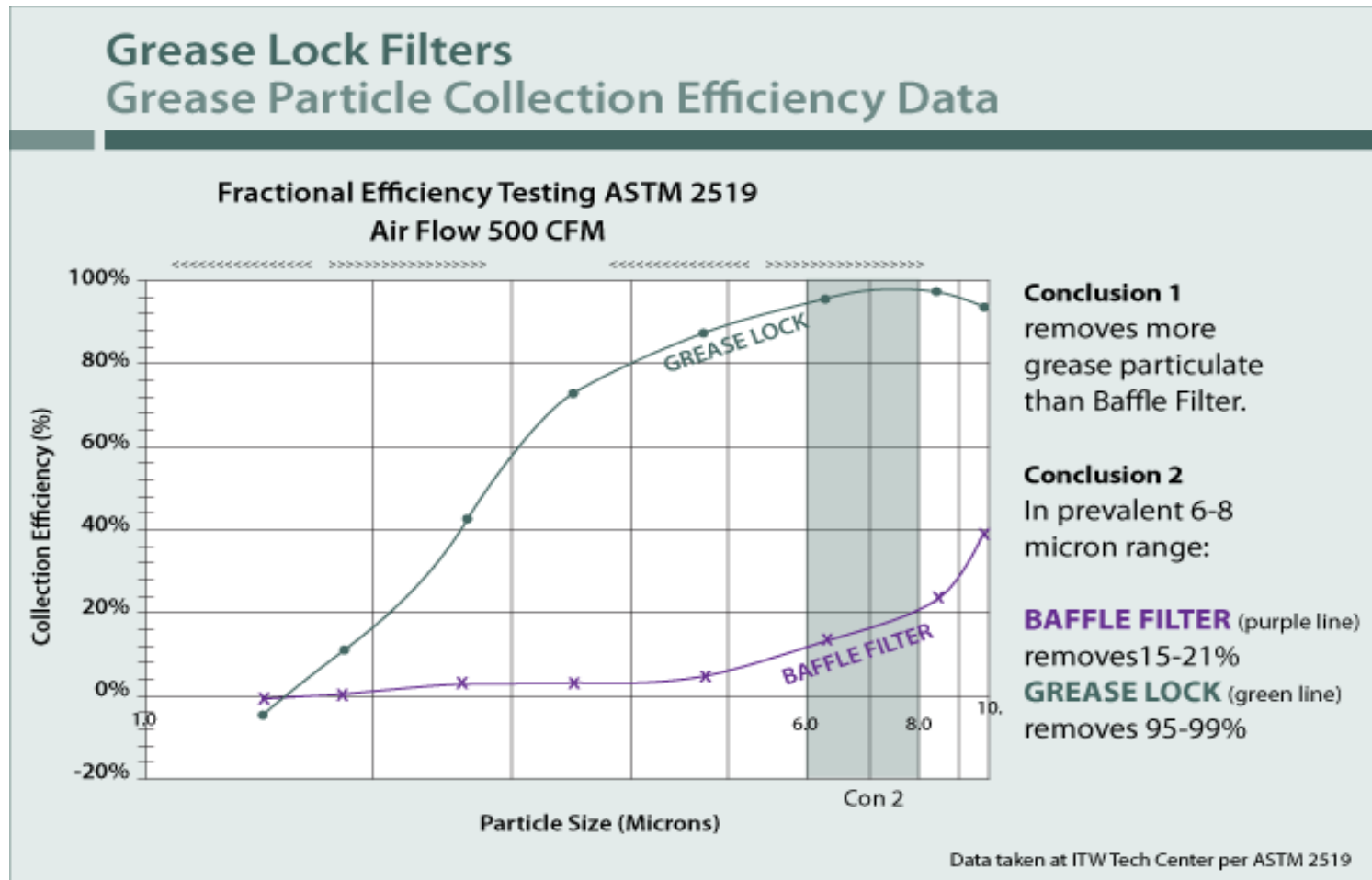
Benefits

- **Reduce fire risk**
 - A grease-free duct will not burn!
- **Reduce costs related to cleaning and maintaining of exhaust system**
- **Reduce costs related to maintaining roof and building**
- **Reduce frequency of messy exhaust system cleanings**
 - A grease-free exhaust system does not need cleaning
- **Environmentally “Green”**
 - Conserve water...device is thrown away, not cleaned
 - Reduce air pollution...fewer grease effluents released into air
 - Reduce water pollution...no grease contaminants or chemicals released into wastewater
 - Save electricity...more energy-efficient exhaust fan (no grease load)
- **More pleasant facility environment**
 - Move grease pollution from air, roof, and wastewater to landfill or incinerator



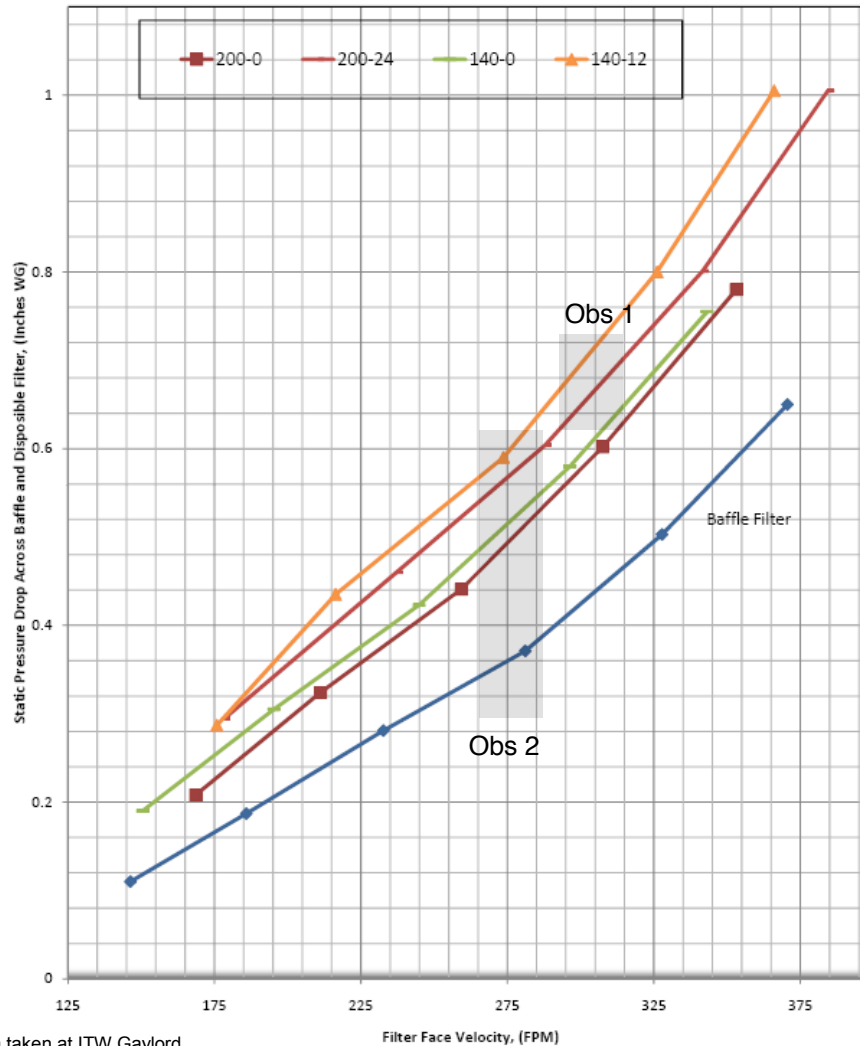
Grease Lock Filters

Grease Particle Collection Efficiency Data



Grease Lock Filters

Collection Capacity and Air Flow Data



Data taken at ITW Gaylord

Observation 1 – The gap between gold line and red line is small indicating similar static pressure drop.


Conclusion 1 – **DGRD** (saturated with 24 oz of grease) **has twice the grease REMOVAL CAPACITY of HAF** (saturated with 12 oz of grease).

Observation 2 – The gaps between the blue line; and the HAF lines and the DGRD lines are close and consistent.

Conclusion 2 - **No significant AIR FLOW reduction and pressure drop increase** experienced with HAF repeats **with DGRD**.

Grease Lock Filters

Wool-based Media Attributes

- **Environmentally-responsible**
 - Natural material
 - Easy, bio-degradable disposability (landfill)
-  **Cost-effective**
 - Plentiful and renewable resource
- **Low air flow resistance**
 - No exhaust fan upgrade required
- **Inherently flame retardant**
 - Tends to smolder or char
 - Self-extinguishing

- **Reduce fire risk**
- **Reduce frequency of messy exhaust system cleanings**
- **Reduce maintenance costs (exhaust system, roof, building)**
- **Go “Green” ... Conserve Water - Reduce Pollution - Save Energy**
- **Save \$\$\$**

