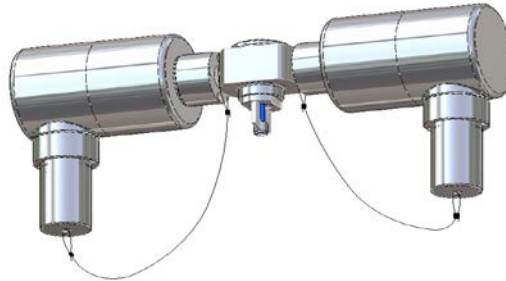


**AUTOMATIC FIRE PROTECTION OF  
COMMERCIAL DEEP FAT FRYERS**



**Introduction:**

The *GW Mistery Hood Twin Nozzle System* is a water based foam enhanced extinguishing system for automatic fire protection of Commercial Deep Fat Fryers. The system is unique in its simple and reliable construction, its ease and low cost of installation and maintenance - and its extremely efficient extinguishing performance (typical extinguishing time is less than 10 seconds).

**Installation:**

The GW Mistery Hood Unit must be installed, operated and maintained according to the GW Mistery Hood Twin Nozzle System Installation manual no. 815, data sheet no. SN045 1002. The GW MisteryHood unit is typically connected directly to an existing sprinkler system according to NFPA 13.

- |                                  |   |
|----------------------------------|---|
| - Installation in kitchen hoods: | 1,2 - 1,25m above the deep fat fryer.   |
| - Water supply capacity:         | min. 67,5 l/min. @ 3,5 bar.             |
| - Spray Nozzles (K-value)        | 2 off K-18 (protected by blow off caps) |
| - Foam agent                     | 2 x 0,4l AFFF Tridol 1S                 |
| - Connection to water supply:    | 3/4 inch BSPT                           |
| - Minimum water pressure:        | 3,5 bar                                 |
| - Max. fryer pool size:          | 0.35m x 0.53m                           |
| - Fat Fryer Volume:              | 40 L                                    |

**Nominal Release Temperatures:**

93°C, 141°C or 182°C, Standard Response (RTI>100 ms<sup>1/2</sup>)

Nominal release temperature must be at least 20° C higher than the peak temperature in the Fat Fryer range hood.

**Options:**

Electric activation (Metron Actuator) - also allows for manual activation.  
Flow switch for alarm.

**Approval:**

UL (in accordance with standard UL-199E)

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Data Sheet: GW MisteryHood , General Data

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**DATA SHEET No: SN045 1001 C**

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