

## TANK Coverage – Smoker with Eyebrow Hoods

### Fire System Technical Bulletin

FTB22-1007

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#### Background:

The UL300 Standard: *Fire Testing of Fire Extinguishing System for Protection of Commercial Cooking Equipment* does not include a test protocol for smokers. When smoker flues are direct vented and not discharging into the hood, an eyebrow hood is typically installed above the oven door to capture any smoke/heat that may escape during the loading/unloading process. As this appliance type is uncategorized, coverage requirements do not appear in the Model TANK Fire Suppression Extinguishing System Installation, Operation, and Maintenance Manual (TANK OIM). CaptiveAire Systems, Inc, manufacturer of model TANK-FS, provides the following supplemental information serving to outline the recommended TANK coverage for these appliances.

#### Details:

Recommended protection for eyebrow hoods is based on solid fuel charbroiler coverage as outlined in the TANK OIM, which includes overlapping appliance nozzles spaced no more than 24" apart and no more than 12" from the edge of the coverage zone with each nozzle counting as 6 FP each. The coverage zone shall be defined as a 12" deep area spanning the oven horizontal opening. The center of the coverage zone shall be defined as 6" in front of the opening. Single row coverage shall suffice.

*The information contained in this bulletin is not intended to replace the requirements and limitations outlined in the TANK OIM. All protection must be in accordance with local codes and acceptable to the Authority Having Jurisdiction.*