

Commercial Kitchen Hood Exhaust

Customer: Safeway Grocery Store
Location: West Seattle, WA
Application: Remove Grease, Smoke and Cooking Odors
Equipment: Trion ATS-12 Electronic Air Cleaner, Bag Filter Media Module, Carbon Module and Exhaust Fan



Owners of Condominiums above Safeway Grocery Store began to complain about the cooking odors being exhausted from the store's Chinese deli. The existing exhaust fan blew the smoke, grease and odors out the side of the building. However the prevailing weather pattern caused the smoke and odors to be blown into the condos just above the exhaust. Over time, all the residences began to smell the odor within their homes. The stores owner's along with design engineers, contractors and Trion agreed upon air cleaning system that would eliminate the complaints. The system has been operating as designed since 1997 - without any complaints from the residents living above.

Within 1 hour of closing the kitchen every night, the Trion system goes through a water and detergent wash cycle. Headers oscillate while spraying hot water and detergent to wash away the collected grease and smoke particles. Soak, rinse, drip dry, force dry and then sleep mode are all part of the cleaning process. The next morning, before cooking, the chef presses a "reset" button to turn the air cleaning system on, ready to remove the smoke, grease and odors once again.