

Self Cleaning Hood

The Self Cleaning system cleans grease from the plenum and portion of the duct with the daily hot water spray cycle. Surfactant is used as part of the spray cycle to increase the cleaning effectiveness.

The Self Cleaning Hood is fabricated from stainless steel and contains a spray bar that extends the full length of the hood immediately behind the filters. The spray bar is fitted with nozzles to ensure adequate spray down of the plenum and back of the filters. A nozzle is located in the exhaust riser to clean a portion of the ductwork as well.

Features & Benefits

- ▶ Fully automatic operation
 - ▶ Hood fabricated from 100% Stainless Steel
 - ▶ Drip-less nozzles with internal strainer
 - ▶ Easily serviceable
 - ▶ Adjustable wash length (factory set at 3 minutes)
 - ▶ 3/4" NPT Pipe Water Inlet connection
 - ▶ 1 1/2" NPT Pipe Water Drain connection
 - ▶ Standard riser spray nozzle for duct cleaning
 - ▶ Water usage is 0.70 GPM per foot of hood
 - ▶ Upgrade to the CORE Fire System available
 - ▶ High Efficiency Grease Filtration
 - ▶ Upgrade to the CORE Fire System available
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Available Options

Hot Water Option

The **Hot Water** option automatically cleans the hood plenum after the cooking operations are completed for the day or via schedule. By washing the plenum while the hood is hot, the effectiveness of the cleaning increases. Surfactant will be injected into the wash for one second, every one minute of the cycle. The wash time is adjusted to meet the needs of every application.

Cold Water Mist Option

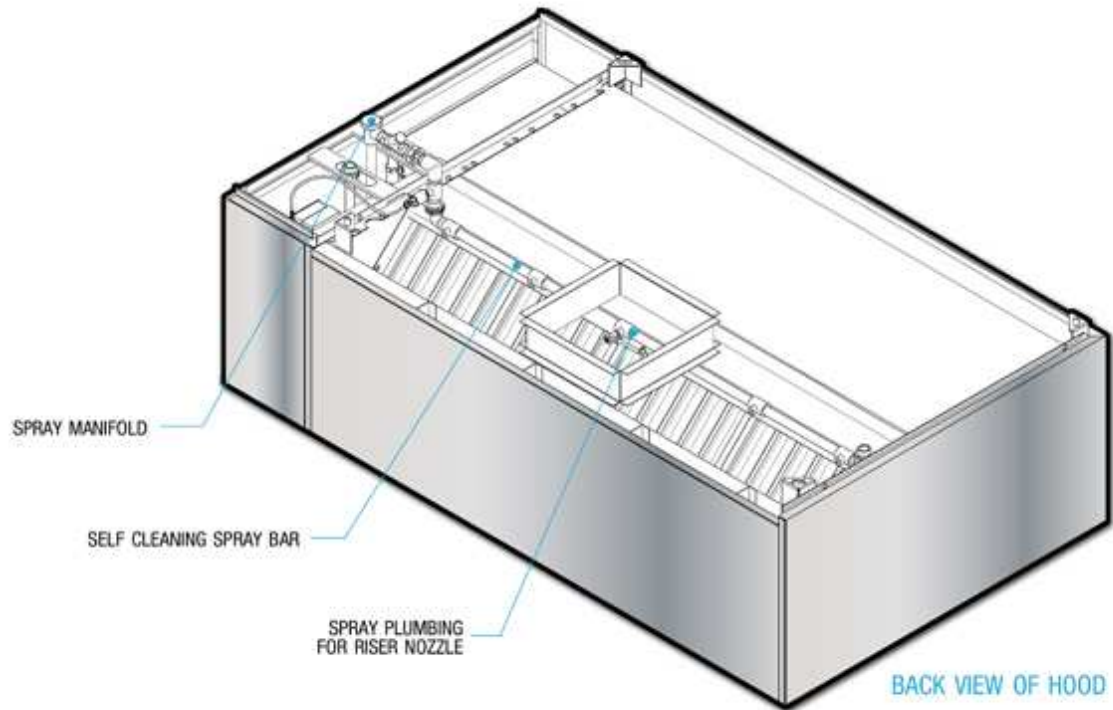
The **Cold Water Mist** option automatically cools exhaust gases and aids in the removal of grease vapor. While the hood is in operation, a fine water mist is sprayed into the plenum.

Cold Water Mist with Hot Water Wash

The **Cold Water Mist With Hot Water Wash** option combines both systems above. Cold Water mist immediately cools down the gases in the plenum during operation and then Hot Water cycle cleans the plenum while the hood is still hot at the end of the day.

Integral Utility Cabinet

Integral Utility Cabinet option includes the manifold and electrical controls directly mounted into the cabinet on either end of the hood. All piping and wiring are done in the factory to minimize labor at the job site. The manifold size available is 3/4" and covers up to 48 feet of hood, depending on operational water pressure.



Remote Manifold & Controls

Remote Manifold and Controls are available when the design of the application does not allow for a utility cabinet on the end of the hood. The manifold and controls can be ordered in a remote cabinet and piped to the hood at the jobsite. The panel includes a combination pressure/temperature gauge, shock absorber, pressure reducing valve, water solenoid valve, surfactant pump, line strainer, ball valve and surfactant tank.

Control Panel Options

Two options for the remote manifold are available. The **AM-2 Panel** offers simple controls of the self cleaning operation while the **SCS Panel** includes advanced controls via a touch screen interface.

AM-2 Control Panel



Features & Benefits

- ▶ ETL Listed Product
- ▶ Easily serviceable
- ▶ Adjustable wash length
- ▶ Starter Coil control for exhaust and supply fans are available with M41
- ▶ Tie-in with demand ventilation controls available (hot water wash only) with M40
- ▶ Backflow preventer available

General Overview

The **AM-2 Panel** provides plumbing and electrical controls for Self Cleaning hoods when the design of the application does not allow for a utility cabinet on the end of the hood.

The Self Cleaning Option is intuitive: At the beginning of the day the fan switch is turned to ON and the fans start running.

The **AM-2 Control Panel** can be ordered in conjunction with an electrical control prewire for full control of the fans and wash cycle, Model M40. Or it can be ordered with starter coil control only for both exhaust and supply fans, Model M41, if the starters are provided by others.

SCS Control Panel



Features & Benefits

- ▶ ETL Listed Product
- ▶ Easily programmable wash scheduling
- ▶ Adjustable wash length (factory set at 3 minutes)
- ▶ 3/4", 1" and 1 1/2" inch manifolds available based on application needs
- ▶ Backflow preventer available
- ▶ Multiple Zone Washing

General Overview

The **SCS Panel** provides plumbing and electrical controls for Self Cleaning hoods when the design does not allow for a utility cabinet on the end of the hood. The manifold and controls are located in a remote cabinet and piped to the hood at the jobsite. The plumbing assembly includes a combination pressure/temperature gauge, shock absorber, pressure reducing valve, water solenoid valve, surfactant pump, surfactant tank, line strainer and ball valve.

The **SCS Control Panel** includes a state-of-the-art controller and touch screen for ultimate control of the Self Cleaning operation. The touch screen interface, located on the front of the panel, allows for user-friendly programming including multiple wash zones, programmable schedule and a web interface. The SCS uses a Programmable Logic Controller (PLC), which also serves as a web server.

The **SCS Control Panel** provides starter coil control for both exhaust and supply fans and can be ordered in conjunction with an electrical control prewire (option 30) that includes the motor starters.

