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Operation of the Kitchen System and How it Works

Ansul R-102 3 Gallon Fire Suppression System

Operate the exhaust system whenever the appliance is pre-heating, heating, cooking, or cooling.

Presently we will keep the exhaust fan OFF to prevent a backdraft with both the fireplace and furnaces and monitor temperature near filters above.

Manual Reset Relay de-energizes electric gas valve when system activates OR a power failure occurs.

Sensitive fusible link detectors activate the system (melt at 350 degrees approx.) inside hood – behind filters.

The fire extinguishing agent is discharged in the plenum and duct and onto the cooking surface.

In the event of a fire and the automatic actuation has not yet taken place, operate the system manually by (PULL HANDLE or PULL RING straight out).

Sequence of Events-

1. One or more of the fusible link detectors melt which mechanically “triggers” the 3-gallon fire extinguisher agent onto stove top.
2. Exhaust system (rooftop fan) turns on FULL by micro switches in enclosed cabinet.
3. Electric gas valve opens (de-energizes) shuts propane off.
4. CountrySideAlarm is notified (by micro switches), Lodge Fire Alarm System activates and Local Fire Department is called.