

CORE Protection Fire System Specification

The CORE restaurant fire suppression system is a pre-engineered, duct and plenum water spray system in conjunction with a wet chemical, cartridge-operated, regulated pressure type with a fixed nozzle agent distribution network. It is listed with ETL to UL Standard 300.

The system is capable of automatic detection and actuation and/or remote manual actuation. The detection portion of the fire suppression system allows for automatic detection by means of an electric thermal detector located in the hood duct connection. The FSF103 Pull station is provided to allow for manual activation of the fire system. With the electric fire detection, a battery backup system is provided. The battery powers the automatic detection and pull station circuits, as well as monitoring those devices.

The basic system consists of an electric ANSUL AUTOMAN regulated release assembly, which includes a regulated release mechanism and a wet chemical storage tank housed within a single enclosure. Nozzle blow-off caps, cartridges and agent are supplied in separate packages in the quantities needed for fire suppression system arrangements. Tanks can be used in multiple arrangements to allow for larger hazard coverage. Each tank is limited to a listed maximum amount of flow numbers. The tank is constructed of stainless steel.

A system owner's guide is available containing basic information pertaining to system operation and maintenance. A detailed technical manual is also available including system description, design, installation, recharge, and maintenance procedures, plus additional equipment installation and resetting instructions. The system is installed and serviced by authorized distributors that are trained by the manufacturer.

Certifications

The CORE Protection Fire System is ETL Listed under Report number 3132231SAT-004; meets requirements of NFPA 96 (Standard for the Installation of Equipment for the Removal of Smoke and Grease-Laden Vapors from Commercial Cooking Equipment); NFPA 17A (Standard on Wet Chemical Extinguishing Systems).