

9L/9L*2/12L/12L*2 Kitchen Fire Suppression System Single And Double Bottle Group

Basic Information

- Place of Origin: Guangzhou, GuangDong, China
- Brand Name: RUIGANG
- Certification: ISO9001/ISO14001/ISO10012/ISO45001/CCC
- Model Number: CMDS12-1-RG, CMDS22-2-RG, CMJS10-1-RG, CMJS18-2-RG
- Minimum Order Quantity: 1 set
- Price: negotiation
- Packaging Details: Plywood outer box with bubble bag or paper
- Delivery Time: 15~20 working days
- Payment Terms: L/C, T/T, Western Union, PayPal
- Supply Ability: 30000 sets per month



Product Specification

- Product Name: Kitchen Fire Suppression
- Max Working Pressure: 1MPa
- The Driving Bottle Filling Pressure: 6MPa / 12MPa
- Working Temperature: 4-55°C
- The Operating Temperature 183°C Of The Temperature Sensor:
- Effective Injection Time: ≥30S
- Filling Capacity: 9L/9L*2/12L/12L*2
- Shelf Life Of Fire Extinguishing Agent: 3 Years
- Highlight: 12l*2 kitchen fire suppression system, 9l kitchen fire suppression system, 9l kitchen hood suppression system



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Product Description

Kitchen Fire Suppression System Single and Double Bottle Group



The kitchen equipment fire extinguishing device is installed in high humidity and high temperature environments such as industrial kitchens, commercial kitchens, and residential kitchens. It consists of a fire extinguishing agent storage container assembly, drive gas storage container assembly, pipeline, nozzle, valve and its driving device, temperature sensor, control device, gas valve, etc. This complete apparatus for extinguishing fires can automatically detect and activate in the event of a fire.

Our company produces two types of electromagnetic kitchen fire extinguishing devices: CMDS12-1-RG (Single bottle Group) and CMJS10-1-RG (Single bottle group), as well as CMDS22-2-RG (Double Bottle Group) and CMJS18-2-RG (Double bottle Group).

These devices can be used to protect kitchen equipment such as deep fryers, woks, cookers, low soup stoves ovens baking pans smoke hoods flues etc. The equipment combines mechanical and electronic control methods to achieve compactness beauty reliable performance with automatic manual mechanical emergency three starting methods. It also implements 24-hour real-time monitoring with reasonable installation that does not occupy much floor space in the kitchen making it easy to operate and maintain.



Working principle of automatic fire extinguishing device for kitchen equipment:

When the temperature of the wok on the kitchen stove reaches $360\sim 366^{\circ}\text{C}$, the oil in the wok begins to spontaneously ignite, and the temperature reaches more than 400°C in a short time. When the burning flame generates huge heat and the temperature in the smoke hood rises to 183°C , the temperature detector is disconnected, thus starting the fire extinguishing device of the kitchen equipment.

At the same time when the device starts automatically, the gas in the cylinder is driven through the pressure reducing device to push the agent into the wok and the smoke hood instantaneously through the atomizing nozzle, and chemical reaction occurs with the burning oil, forming a thick covering layer, so that the oil is isolated from the air, the fire is terminated, and the purpose of rapid fire extinguishing is achieved.

The equipment starts to make the gas valve automatically close, completely cut off the gas, and start the sound and light alarm system through the micro switch, start the alarm.

After the fire extinguishing agent is sprayed, the water flow valve will automatically start, and the water will be sprayed into the oil pan and the exhaust hood to make it pass the physical cooling to prevent the secondary reignition.

Kitchen equipment automatic fire extinguishing system to complete the fire extinguishing process only 3-8 seconds, which is other fire extinguishing equipment can not be replaced.

Note: Usually the heat of the stove can not reach the temperature of the temperature detector fuse will not cause false spray.



Advantages

- ◆ 24*7 hours monitoring and actuating automatically
- ◆ 3 to 8 seconds of quick suppression and no after-combustion
- ◆ Specially formulated agent: efficient, green and no residual

Kitchen equipment fire suppression device is mainly used at the following site: hotel, restaurant kitchen, the catering center of the stadium, large/medium/small restaurant, fast food restaurant, the catering center of the airport, the kitchen of the office and hospital, large office building restaurant, the kitchen of industrial and mining enterprises, college canteen and so on.

CMDS&CMJS type kitchen automatic fire extinguishing device

Product model	CMDS12-1-RG	CMDS22-2-RG	CMJS10-1-RG	CMJS18-2-RG
Max working pressure	1MPa			
The driving gas	nitrogen			
Agent name	the fire extinguishing agent for cooking oil			
Effective injection time	≥30S			
The operating temperature of the temperature sensor	183℃			
Working temperature	4-55℃			
The driving bottle filling pressure	6MPa		12MPa	
Filling capacity	9L(14.5kg)	9L*2(14.5*2)	9L(14.5kg)	9L*2(14.5*2)
Shelf life of fire extinguishing agent	Three years			
Type of fire extinguishing	Oil fire			



We pack products with first polyfoam and then the wooden cases. Once products are too big or customers require a pallet for products, we will make products a pallet.



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