

HANGZHOU PRI-SAFETY FIRE TECHNOLOGY.CO.,LTD

# Wet Chemical Mechanical Kitchen Fire Suppression system

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# Company Brief

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PRI-SAFETY simple introduction

**PRI-SAFETY** was established in 2004, is professional manufacturer of Cylinder Automatic Fire Suppression Systems for Kitchen/Vehicles/Electric Cabinets/Machines, Tube Automatic Fire Suppression System, CAFS Fire Systems, Throwing Fire Extinguisher, Cooking Oil Fire Extinguisher, Fire Extinguisher, etc.

Our products are mainly export to Europe, Middle east, America, South America, Africa, etc.  
Most of our products are with approval of CE, EN3, EN671, UL, LPCB, MED, etc.

We produce high quality fire fighting products, and we supply one-stop purchasing service too.



# 2nd

Section

## BACKGROUND

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Why we need this new product?



## B A C K G R O U N D

### *Wet Chemical Automatic Kitchen Fire System*

Things are heating up like never before in today's commercial kitchens. High-temperature and efficiency cooking appliances, plus the use of hotter burning vegetable oils, poses a greater fire suppression challenge than in the past.

The PRI-SAFETY Wet Chemical Mechanical Fire Suppression System rises to these unique challenges with exceptional performance, adaptability, and style. Contemporary stainless steel design throughout the system complements sleek kitchen appliances. Wet chemical fire extinguishing system protects the appliances selected from the kitchen – those with the highest fire risk, such as fryers, baking sheets, parila and salamander.

# 3rd

Section

## PRINCIPLES OF SYSTEM

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How this product works?

## PRINCIPLES OF SYSTEM

**PRI-SAFETY** Wet Chemical Mechanical Kitchen Fire Suppression system have been specifically designed to protect home/commercial kitchen and put out cooking fires caused by grease or grease-laden vapors (class F or class K fire) quickly and efficiently.

When a fire occurs in a protected area, it is quickly detected by the sensors the cooker appliance hood. The detectors trigger the automatic releasing mechanism which actuates the system - pressuring the agent storage tank and automatically shutting off the appliance energy.





# 4th

Section

## PRODUCT DETAILS

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Specifications & Components

PRODUCT SPECIFICATIONS



PRIW10-1-K(For 3~5m Kitchen hood)			
Agent Capacity (L)	10L X 1	Activation Temperature	180℃
Spray Nozzle(pc)	7~10	Discharging time (S)	≥30
Temp. Detector (pc)	3~5	Working Temp.(℃)	0-55
Fuel cut-off valve	Depending	Drive gas charging(g)	145±5
Protective Range	3~5 meters	Drive gas Pressure(MPA)	12

PRIW20-2-K(For 7~10m Kitchen hood)			
Agent Capacity (L)	10L X 2	Activation Temperature	180℃
Spray Nozzle(pc)	14~18	Discharging time (S)	≥30
Temp. Detector (pc)	7~10	Working Temp.(℃)	0-55
Fuel cut-off valve	Depending	Drive gas charging(g)	145±5
Protective Range	7~10meters	Drive gas Pressure(MPA)	12



PRODUCT COMPONENTS



Actuation lines



Pulley Elbow



Detector



Manual



Spray Nozzles



Mounting Clips



Fittings



Discharging Tube



# 5th

Section

## APPLICAITON

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How to choose the suitable capacity?

# A P P L I C A T I O N

- PRIW10-1-K  
10L X 1---For 3~5m Home Kitchen hood

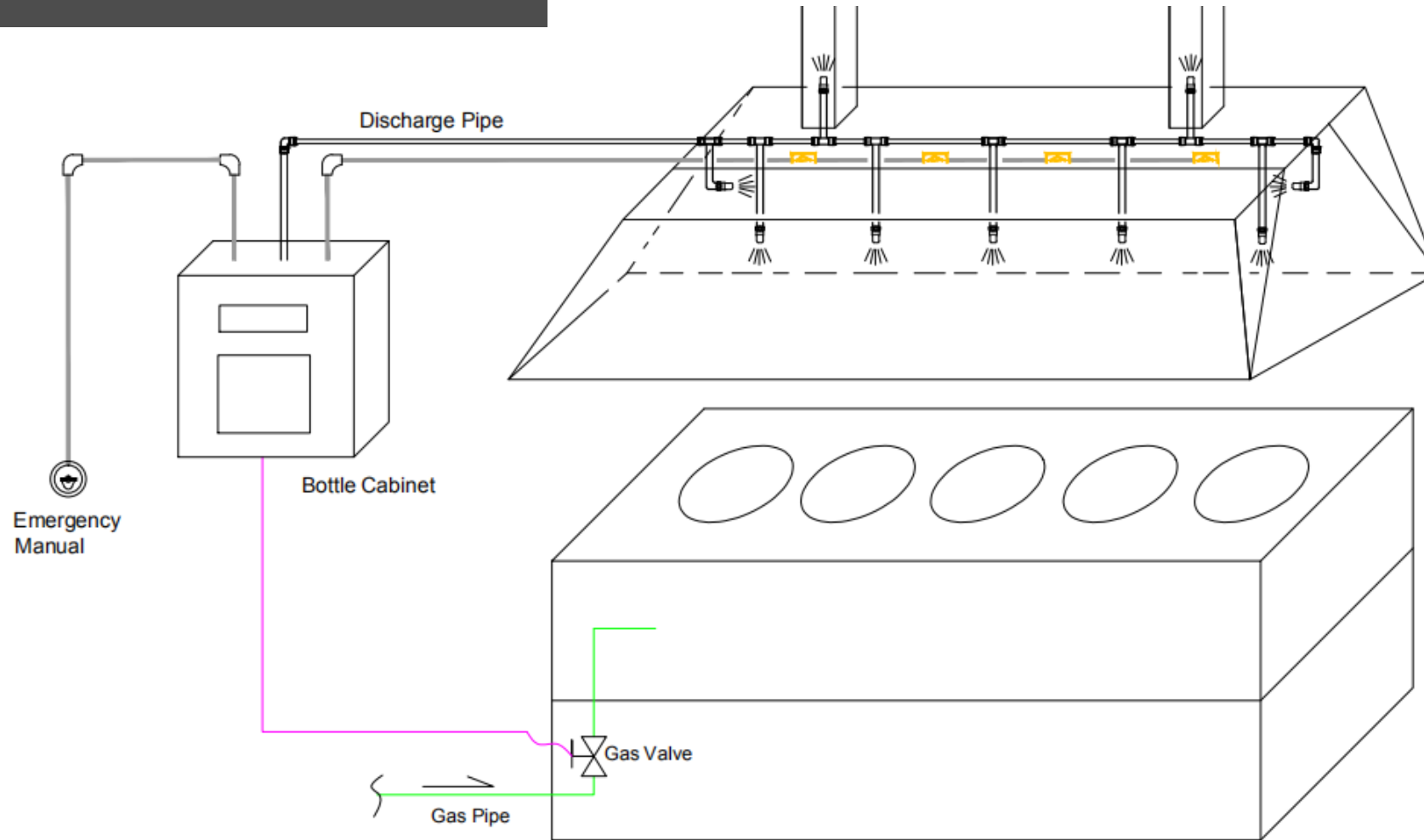


- PRIW18-2-K  
10L X 2--- For 7~10m Kitchen Hood





# INSTALLATION



# 6th

Section

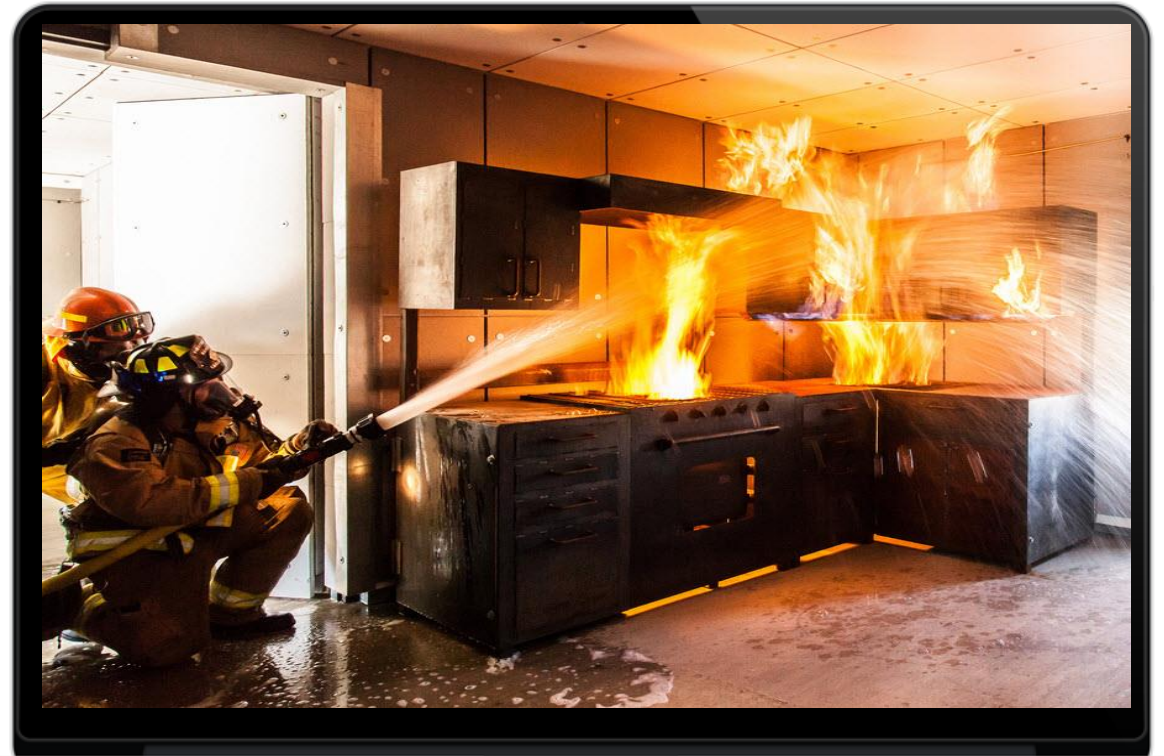
## ADVANTAGE

Why it is worth?

## PRODUCT ADVANTAGE

### *Wet Chemical Mechanical Kitchen Fire System*

- Simple, high quality and well engineered system. Easy to install.
- Fast, automatic actuation.
- Stainless steel pipework, fittings and nozzles to suit kitchen environments.
- Flame detection, allowing for multiple of detection points. Flexible piping requirements.
- Remaining operational during power interruption
- Quick, easy clean up once appliances have cooled, the agent can be easily wiped away from equipment



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**Wet Chemical Mechanical Kitchen Fire Suppression system**

**---THANKS---**