



FIREX

Kitchen Hood System

FX-KHS



Certified No. : 863f
Standard No. :
LPS 1223 - ISSUE 2.3



Distributor-



Unique Multi Engineering Ltd.

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FIREX KITCHEN HOOD FIRE SUPPRESSION SYSTEM

Firex Kitchen Hood Fire Suppression System (FX-KHS) has been developed to meet the requirements of all types of kitchens. The system has been tested and approved by LPCB to LPS1223 and granted certificate no. 863/f. The system is an ideal solution to protect the cooking areas of the kitchens such as the appliances, plenums and extraction ducts at homes, hotels and restaurants where the cook top fire is a major risk for occupants.

Installation of the FX-KHS system is quick and easy and compatible with all type of burner ranges. The system will be supplied with all required components to meet the requirements of the approved design criteria, including all pipework, cables, labelling and actuation hardware.

The system must be installed by a trained and approved installer.

FEATURES

FX-KHS features 24-Hour automatic or manual protection for commercial cooking areas; ducts, plenums, hoods and cooking surfaces.

WET CHEMICAL AGENT

Fomtec class FKC wet chemical is a specially formulated potassium Carbonate based solution specifically designed for use on cooking grease and cooking oil fires.

CRITERIA	VALUE
Physical State	Clear Liquid
Color	Colorless
Odor	Non Characteristic Odor
Freezing Point Value	< -10°C
pH (as supplied) Value	12-14
Specific Gravity Value	~1,440 g/ml
Solubility description	Completely soluble in Water
Viscosity Value	30m Pas



AGENT CYLINDERS

FX-KHS uses two types of Stainless Steel (316L) cylinders; 10 Liter (Model KHSC10) and 20 Liter (Model KHSC20). The working pressure of both sizes is 15 Bar and the test pressure 22.5 Bar

MEASUREMENTS	MODEL KHSC10	MODEL KHSC20
Height	490mm	705mm
Diameter	257mm	257mm
Capacity	10 Lt	20 Lt

DISCHARGE NOZZLES

FX-KHS uses two types of discharge nozzles:

A- Appliance/Fryer Nozzles

Maximum spacing between nozzles if protecting the same appliances	500mm
Maximum height of nozzle above the protected appliance	1000mm
Minimum height above protected appliance	900mm
Orientation	Vertical

B- Plenum Nozzles

Maximum spacing between plenum nozzles (20Ltr system only)	3m (opposite ends of plenum)
Maximum cross sectional area of duct	0.08 m ²
Protected volume per nozzle	0.25 m ³
Orientation	Horizontal (raked between 30° and 45°)

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