



EVERSAFE®

Your Solution to **FIRE SAFETY**



EDITION 2020

| APPROVAL



COMPANY PROFILE

About Us

Eversafe Extinguisher Sdn. Bhd. incorporated in year 1979, a member of Leeden National Oxygen Ltd, Singapore. Our production of fire-fighting equipment is housed within 2.844 acres of manufacturing and R&D facilities which allows us to offer an extensive range of high-quality products and systems.

Core Values



Quality First



Safety is Our Priority



Teamwork



Provide Solutions



Integrity Always



Customer Focus



Positive Change

Vision

We aim to be the global leader in the production and marketing of firefighting equipment, systems, and solutions, through the use of innovative design.

Quality Control

Manufacturing process and quality management system has been certified to BS EN ISO 9001 by British Standards Institution.

Manufacturer/Distributor of

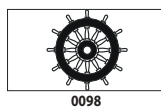
- Portable Fire Extinguishers
- Mobile Fire Extinguishers
- Fire Hose Reels
- Landing Valves
- Breeching Inlets
- Fire Hydrant Equipment
- Nozzles
- Smoke Alarms
- Fire Blankets
- Canvas Hoses
- Cabinets
- CO2 Fire Extinguishing System
- NAF S 227 Fire Extinguishing System (FM 200 Alternative)
- NAF S 125 Fire Extinguishing System
- NAF S 1230 Fire Extinguishing System
- Inert Gases Fire Extinguishing System
- Kerr Fire Foam Compound
- Amerex Wet Chemical Fire Suppression System

Product Standard/Certification

Our products are in compliance with the following product standards / certification bodies:

- American Standard (**UL**)
- Australian Standard (**SAI Global**)
- European Standard (**BSI / LPCB**)
- Malaysian Standard (**SIRIM / IKRAM**)
- Singapore Standard (**TÜV SÜD PSB / SETSCO**)
- Construction Product Directive, CPD / CPR (**BRE**)
- Pressure Equipment Directive, CE Mark (**Lloyd's Register**)
- Marine Equipment Directive, Wheel Mark (**DNV-GL**)
- Offshore Special Requirement - Sarawak Shell Bhd / Sarawak Shell Petroleum Co (**SSB / SSPC**)
- Kuwait National Petroleum Co (**KNPC**)
- Kuwait Oil Company (**KOC**)

PRODUCT APPROVALS



PRODUCT INTRODUCTION

AMEREX® KITCHEN PROTECTION FIRE EXTINGUISHING SYSTEM by **EVERSAFE®**

The AMEREX® Kitchen Protection (KP™) Fire Suppression System is a staple in commercial kitchen around the world. To meet NFPA guidelines and ensure quality, Amerex stringently tests this product with Underwriters Laboratory to meet UL 300 Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment. KP is designed to accommodate the needs of building and restaurant owners who utilize restaurant fire suppression systems to protect their valuable property and ensure the safety of the people working in the kitchens.

From fine dining to fast food chains, the Amerex Kitchen Protection System has the components to meet your needs with competitive pricing while never sacrificing quality.

With the cooperation of EVERSAFE, AMEREX® Kitchen Protection (KP™) Fire Suppression System installation can be done by Eversafe trained specialist with years of fire fighting experience. Our installation of the system at Bursa Malaysia is now protecting 13 kitchen vendors from kitchen fire danger.



**AMEREX® KP™
Installation**





SERVING COMMERCIAL KITCHEN EVERYWHERE

The AMEREX® Kitchen Protection (KP™) system able to be used in all kitchen industries



Restaurants
Fine Dining
Cafeterias
Cruise Ships
Culinary Schools
Fast Food Chains
Healthcare Facilities
Food Courts
Hotels
Military Facilities



School Cafeterias
Sports complexes
Stadium



A KITCHEN SYSTEM THAT MEETS YOUR NEEDS

- Competitive pricing and cost-effective components
- Firefighting agent does not corrode stainless steel appliances
- UL 300 Listed and NFPA compliant
- Safely stored in high pressure agent cylinders
- Designed for new installation or retrofit
- Maximum agent discharge covered wide area using fewer nozzles
- Appliance Specific or Zone Defense coverage
- Mechanical, pneumatic, or electric detection control options
- Robust manual pull station design reduces unwanted discharges
- Compatible with building fire alarm panels and other auxiliary devices
- Approved by Bomba Malaysia



PROTECTION SCHEMES THAT MEET COMMERCIAL KITCHEN NEEDS

AMEREX® offers two appliance protection schemes namely Appliance Specific and Zone Defense that suit your need for any commercial kitchen protection.

Appliance Specific

With the AMEREX® KP Appliance Specific Restaurant Fire Suppression System you get appliance-specific coverage that generally offers lower initial cost.

The KP Appliance Specific System is the ideal choice in commercial kitchens where appliance location is fixed, such as in fast food chains, casual dining, cruise ships, and school cafeterias.

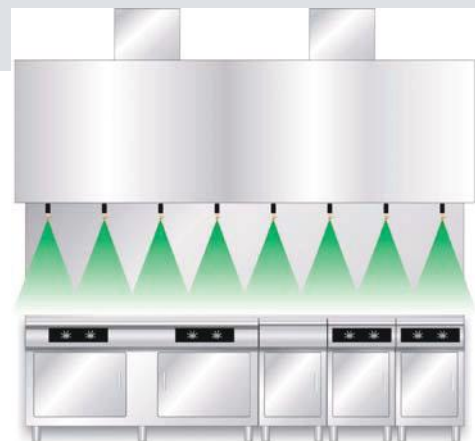


- 🔥 Specifically target at kitchen appliances
- 🔥 Offers lower initial cost
- 🔥 Ideal choice for commercial kitchen installation

Zone Defense

The AMEREX® KP Zone Defense Restaurant Fire Suppression System adds greater flexibility by allowing kitchen appliances to be reconfigured without having to move system discharge nozzles.

Because the adaptability of the Zone Defense System, it is the most cost-effective choice over the life of the system. The KP-ZD system was designed with fine dining, culinary schools, military facilities, hotels and hospitals.



- 🔥 Full kitchen protection as it covered the whole area
- 🔥 Safer protection from kitchen fire danger
- 🔥 Add greater flexibility

WE GOT YOU COVERED WITH 4 OPTIONS FOR AGENT CYLINDERS

The AMEREX® Kitchen Protection (KP™) System has four sizes of agent cylinders, depending on system output needs:

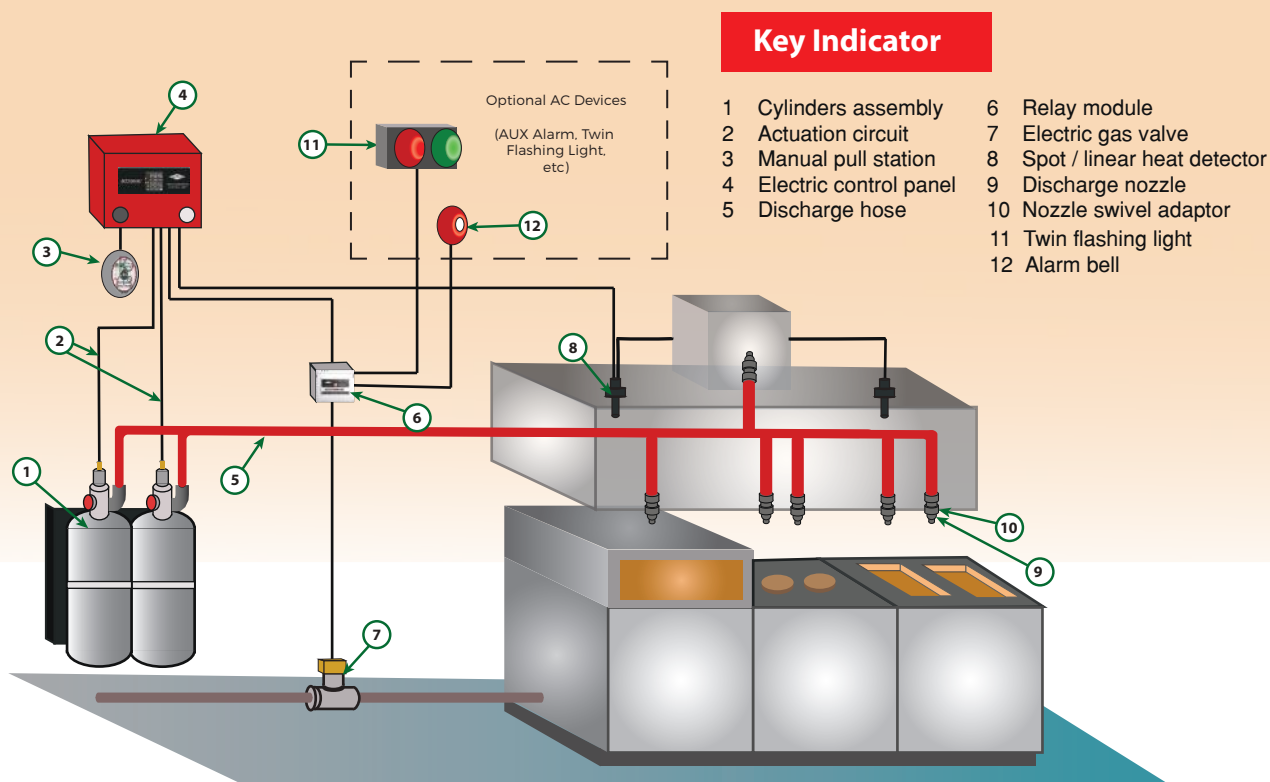
AGENT CYLINDER MODEL	CYLINDER VOLUME	FLOW POINTS
KP275*	2.75 gallons	8
KP375*	3.75 gallons	11
KP475*	4.75 gallons	14
KP600**	6.0 gallons	18
2 - KP3.75 manifolded supply line	7.5 gallons	22

*Maximum installation up to 10 agent cylinders for KP275/375/475

**Maximum installation up to 6 agent cylinders for KP 600

All KP Agent Cylinders are manufactured using mild steel and listed with Underwriter's Laboratory (UL). The cylinders are pressurized with dry nitrogen, or argon gas, to a pressure of 240 psi. The gas charge functions as the expellant gas which discharges the wet chemical agent through the distribution network. Each cylinder is designed with a machined stainless-steel discharge valve that is actuated pneumatically or electrically.

AMEREX® KP Agent Cylinder Assemblies are shipped factory filled with AMEREX® Kitchen Wet Chemical Agent - a low pH, potassium acetate based solution that suppresses cooking grease fires through both saponification and cooling. KP agent is compatible with metals typically found in commercial kitchen environments (i.e., stainless steel, mild, steel, galvanized metal, aluminium, brass and copper).



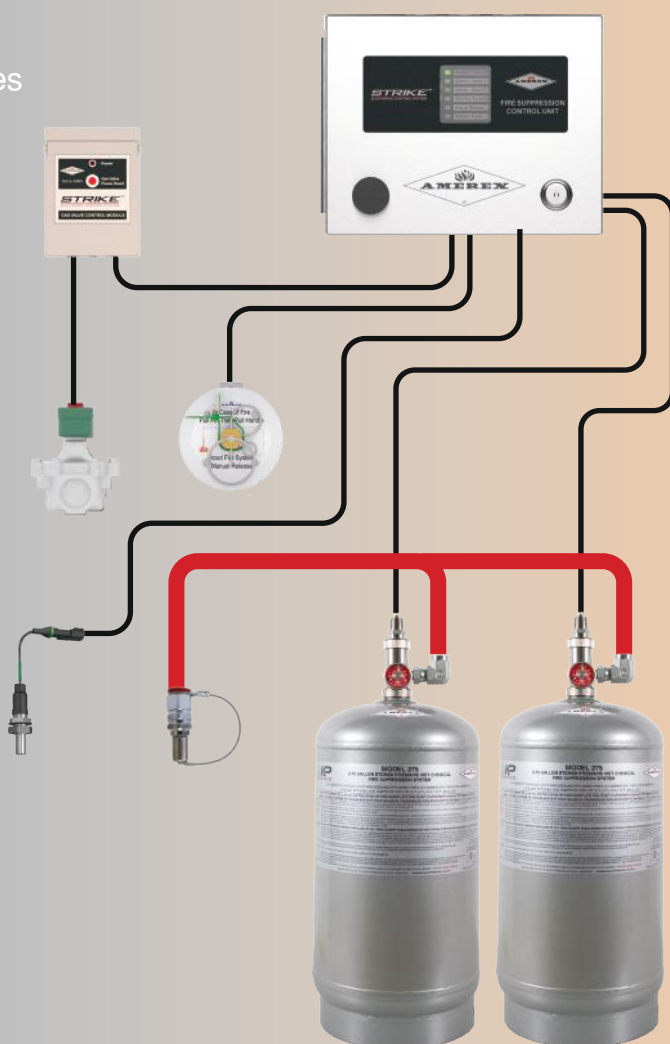
STRIKE™ DUAL RELEASE CONTROL UNIT INSTALLATION

The Amerex® STRIKE Control Unit is the result of years of rugged mining, transit and military electronic evolution. Specifically designed to work with the Amerex KP Suppression System, the STRIKE Control Unit is able to monitor and release two completely separate hood systems, and it can be tied into auxiliary controls such as the building's alarm system.

Primary and secondary batteries provide continuous, uninterrupted fire detection and fire suppression system actuation without the need for an external power supply. Unlike traditional control mechanism, the STRIKE Control Unit utilizes Linear Heat Detectors and Spot Head Detectors that have no moving parts are fully supervised, minimizing the negative effects of grease build-up.

FEATURES AND BENEFITS OF STRIKE™ CONTROL UNIT

- 🔥 Provides dedicated interface to supervised auxiliary remote FACP for fire and trouble indication
- 🔥 Windows based optional programming software
- 🔥 Event logging and recording
- 🔥 Interfaces to Amerex UL Listed gas valve and multi-relay high-current auxiliary switching modules
- 🔥 Local piezo audible alarm
- 🔥 Trouble indication LED and annunciation
- 🔥 Keyed locking access door
- 🔥 Provides all the time fire detection and actuation capability for restaurants
- 🔥 Single and dual hazard zone detection and suppression
- 🔥 Allows for remote FACP fire system initiating input
- 🔥 No external A/C power required
- 🔥 Normal and fail safe gas valve operation
- 🔥 Easy installation & maintenance
- 🔥 Attractive brushed stainless steel enclosure



AMEREX Kitchen Protection Fire Suppression System Extinguishing System Components



Strike™ Electric Control Panel

Part Number	23826
Alarm Zone	2 Zones
Power Input	2 x Internal Lithium Batteries
Cabinet Material	Stainless Steel
Dimension (L x W x H)	246mm x 68mm x 191mm
Finishing	Painted Grey
Approval	UL



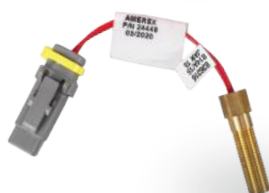
Cylinder Assembly

Model	KP275	KP375	KP475	KP600
Volume	2.75 gallons	3.75 gallons	4.75 gallons	6.00 gallons
Working Temperature, °C	0°C - 49°C			
Working Pressure, psi	240 psi at 20°C			
Test Pressure, psi	480 psi			
Cylinder Material	Steel			
Valve Material	Stainless Steel			Brass
Test Standard	DOT 4BW240			
Approval	UL			



Cylinder Bracket c/w Belly Strap

Part Number	16920
Bracket Material	Steel
Strap Material	Stainless Steel
Finishing	Painted Black
Approval	UL



Linear Actuator

Part Number	24448
Working Temperature, °C	-40°C to 70°C
Recommended Single Firing Current	1A
Actuator Body Material	Brass
Piston Material	Stainless Steel
Approval	UL



Electric Control Head

Part Number	26127			26797
Application	KP275	KP375	KP475	KP600
Material	Steel Chromed			
Actuator Connection	1/2" NPT			
Approval	UL			



Swivel Adaptor for Nozzle

Part Number	16440
Material	Steel Chromed
Approval	UL



Nozzle c/w Nozzle Cap

Part Number	16416	11982
Application	Duct	Plenum/Appliances
Material	Steel Chromed	
Approval	UL	



Swivel Adaptor for Discharge Pipe

Part Number	16901
Pipe Connection	1/2" NPT
Material	Steel Chromed
Approval	UL



Linear Heat Detector

Detector	Linear Heat Detector
Part Number	24744
Temperature Set Point	356 °F
Approval	UL



Spot Heat Detector

Detector	Spot Heat Detector	
Part Number	24944	24514
Temperature Set Point	350 °F	485 °F
Approval	UL	



Extinguishant Control Panel (Indoor Type)

Model	PE-GRP 200i	PE-GRP 400i
No. Of Zones	2	4
Dimension (W x H x D)	430mm x 370mm x 195mm	550mm x 390mm x 195mm
Power Supply Input	240V AC 50/60Hz	
Operating System	24V DC	
Finishing	Signal red Polyester Epoxy Powder Paint	
Standard	MS1745:Part 2	
Approval	Bomba Malaysia	



Fire Alarm Bell

Model	EE-301
Size (Ø x H)	150 mm x 62 mm
Operating Voltage	24V DC
IP Rating	IP33C
Operating Temperature	-20°C to 70°C
Finishing	Red Painted
Approvals	EN 54-3 / MS 1745-3 BOMBA Approved



Twin Flashing Light

Model	KP-305
Size (W x H x L)	74 mm x 90 mm x 179 mm
Operating Voltage	24V DC
Material	Mild Steel
Finishing	Black
Approvals	Factory Manufacturing Standard



Key Switch

Model	KP-307
Size (W x L x H)	90 mm x 110 mm x 110 mm
Contact	0.5A (Max)
Material	Mild Steel
Finishing	Red Painted
Approvals	Factory Manufacturing Standard



Spot Heat Detector

Part Number	12-G27121-000-07-OT
Temperature Set Point	450 °F
Approval	UL/FM

Our Global Network

EVERSAFE products are available in more than 45 countries worldwide



EVERSAFE EXTINGUISHER SDN. BHD. (053162-V)

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