

City of Portland, Maine – Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

| | | | | | | |
|--|--|--|--|--|--|---|
| Location of Construction: 617 Congress Street | | Owner: Matt Oren High Street Properties | | Phone: 772-1540 | | Permit No: 000443 |
| Owner Address: P.O. Box 4122, 142 High St. | | Lessee/Buyer's Name: James Carricom, Carricom Rest. | | Phone: N/A | | |
| Contractor Name: **Grinnell Fire Protection | | Address: **20 Thomas Drive Westbrook, ME 04092 | | Phone: 842-6440 | | Permit Issued: MAY 9 |
| Past Use: Resteraunt | | Proposed Use: Same | | COST OF WORK: \$ 1,516 PERMIT FEE: \$ 36.00 FIRE DEPT. <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied INSPECTION: Use Group <i>A3</i> Type: <i>213</i> <i>BOCA 9A</i> Signature: <i>[Signature]</i> Signature: <i>[Signature]</i> | | |
| Proposed Project Description: Installation of a kitchen wet chemical fire suppression system per UL-300, Amerex UP 3.75 | | | | PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied <input type="checkbox"/> Signature: _____ Date: _____ | | Zoning Approval: Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan maj <input type="checkbox"/> minor <input type="checkbox"/> mm <input type="checkbox"/> Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Historic Preservation <input type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review Action: <i>Any exterior work requires a separate review</i> <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied Date: _____ |
| Permit Taken By: UB | | Date Applied For: 5-4-00 | | | | |

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

PERMIT ISSUED WITH REQUIREMENTS

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

5-4-00

| | | | |
|---|----------|-------|--------|
| SIGNATURE OF APPLICANT | ADDRESS: | DATE: | PHONE: |
| RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE | | | PHONE: |

REBUILT WITH REQUIREMENTS

BUILDING PERMIT REPORT

DATE: 5 MAY 2000 ADDRESS: 617 Congress St. CBL: 046-D-031
REASON FOR PERMIT: Kitchen Chemical Fire Suppression
BUILDING OWNER: High St. Properties
PERMIT APPLICANT: _____ (CONTRACTOR Granol Fire Prot)
USE GROUP: A-3 CONSTRUCTION TYPE: 2B CONSTRUCTION COST: 1,516.00 PERMIT FEES: 26.00

The City's Adopted Building Code (The BOCA National Building code/1999 with City Amendments)
The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions are met: *

1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection) "ALL LOT LINES SHALL BE CLEARLY MARKED BEFORE CALLING."
3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
4. Foundations anchors shall be a minimum of 1/2" in diameter, 7' into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts. Section 2305.17
5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
6. Precaution must be taken to protect concrete from freezing. Section 1908.0
7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
8. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1999)
9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211
10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42". In occupancies in Use Group A,B,H-4, I-1, I-2, M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. (Handrails shall be a minimum of 34" but not more than 38". Exception: Handrails that form part of a guard shall have a height not less than 36" and not more than 42". Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0). Handrails shall be on both sides of stairway. (Section 1014.7)
12. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 1/2" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
15. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1010.4)
16. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units. (Section 1010.1)
17. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closer's. (Over 3 stories in height requirements for fire rating is two (2) hours. (Section 710.0)
18. The boiler shall be protected by enclosing with (1) hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment. (Table 302.1.1)

19. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 920.3.2 (BOCA National Building Code/1999), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
 - In the immediate vicinity of bedrooms
 - In all bedrooms
 - In each story within a dwelling unit, including basements
20. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type. (Section 921.0)
21. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.
22. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.
23. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)
24. Section 25 - 135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
25. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.
26. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).
- X 27. All electrical, plumbing and HVAC permits must be obtained by a Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.
28. All requirements must be met before a final Certificate of Occupancy is issued.
29. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (The BOCA National Building Code/1996).
30. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)
31. Please read and implement the attached Land Use Zoning report requirements.
32. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code.
33. Bridging shall comply with Section 2305.16.
34. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
35. All signage, shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).

36. Suppression system must be installed in accordance w/ NFPA 96

D. Schumack, Building Inspector
 cc: Lt. McDougall, PFD
 Marge Schmuckal, Zoning Administrator

PSH 1:26/00

**On the basis of plans submitted and conditions placed on these plans any deviations shall require a separate approval.

***THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD.

****CERTIFICATE OF OCCUPANCY FEE \$50.00

**** ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT.2000, OR EQUIVALENT.

THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED

**Building or Use Permit Pre-Application
Attached Single Family Dwellings/Two-Family Dwelling
Multi-Family or Commercial Structures and Additions Thereto**

In the interest of processing your application in the quickest possible manner, please complete the Information below for a Building or Use Permit.

NOTEIf you or the property owner owes real estate or personal property taxes or user charges on ANY PROPERTY within the City, payment arrangements must be made before permits of any kind are accepted.**

| | | | |
|--|-----------------|---|--|
| Location/Address of Construction (include Portion of Building): <u>617 Congress St. Portland ME</u> | | | |
| Total Square Footage of Proposed Structure | | Square Footage of Lot | |
| Tax Assessor's Chart, Block & Lot Number | | Owner: <u>Matt Oren</u> | Telephone#: <u>772-1540</u> |
| Chart# <u>0410</u> | Block# <u>D</u> | Lot# <u>081</u> | <u>High St. Apartments</u> |
| Owner's Address: <u>PO Box 4122 Port.</u> <u>142 High St. Port.</u> | | Lessee/Buyer's Name (If Applicable) <u>James Carricow</u> <u>Carricow Rest.</u> | Cost Of Work: <u>\$1516.00</u> Fee: <u>\$36.00</u> |
| Proposed Project Description: (Please be as specific as possible) <u>Installation of a kitchen wet chemical Fire Suppression System per UL-300</u> <u>Amerex KP 3.75</u> | | | |
| Contractor's Name, Address & Telephone <u>Grinnell Fire Protection 20 Thomas drive Westbrook ME 04092-842-6440</u> | | | Rec'd By: <u>[Signature]</u> |
| Current Use: <u>RESTAURANT</u> | | Proposed Use: <u>SAME</u> | |

Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation.

- All construction must be conducted in compliance with the 1996 B.O.C.A. Building Code as amended by Section 6-Art II.
- All plumbing must be conducted in compliance with the State of Maine Plumbing Code.
- All Electrical Installation must comply with the 1996 National Electrical Code as amended by Section 6-Art III.
- HVAC (Heating, Ventilation and Air Conditioning) installation must comply with the 1993 BOCA Mechanical Code.

You must include the following with your application:

- 1) A Copy of Your Deed or Purchase and Sale Agreement
- 2) A Copy of your Construction Contract, if available
- 3) A Plot Plan/Site Plan

Minor or Major site plan review will be required for the above proposed projects. The attached checklist outlines the minimum standards for a site plan.

4) Building Plans

Unless exempted by State Law, construction documents must be designed by a registered design professional.

A complete set of construction drawings showing all of the following elements of construction:

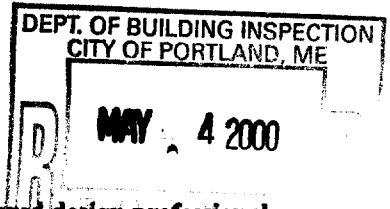
- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
- Floor Plans & Elevations
- Window and door schedules
- Foundation plans with required drainage and dampproofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

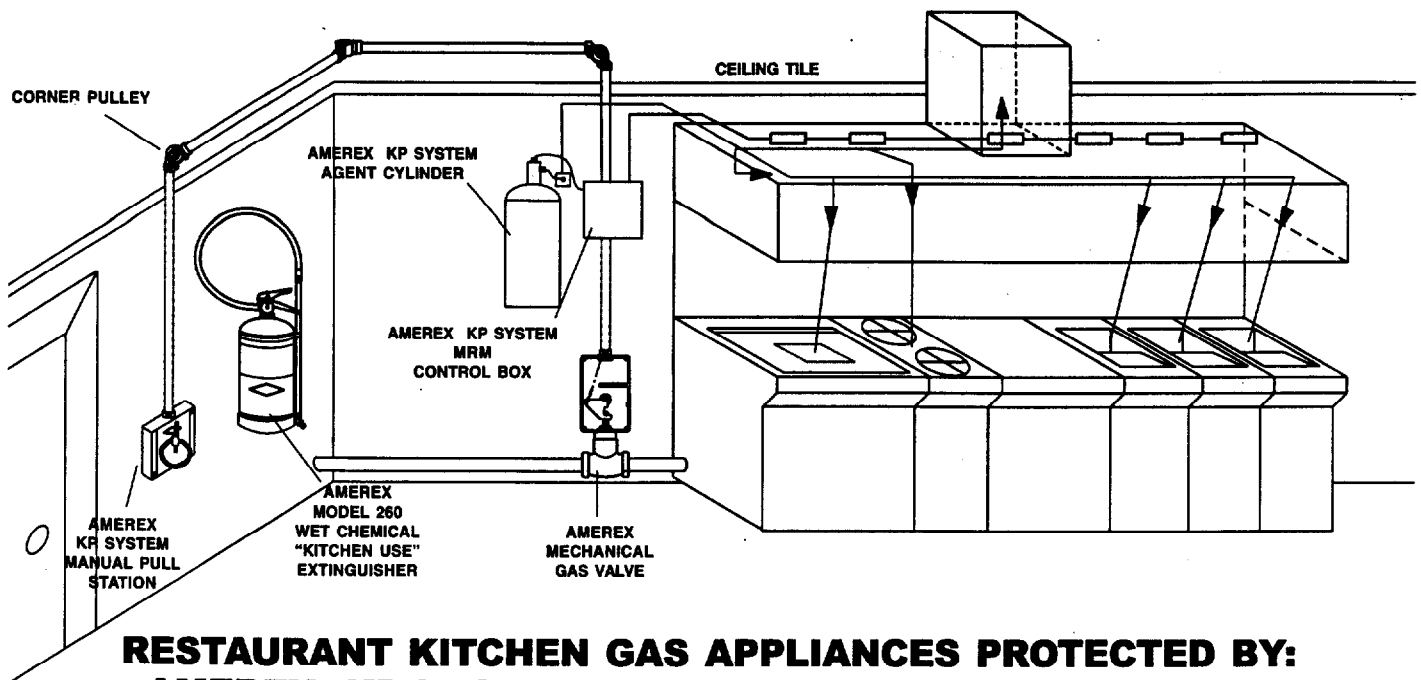
Certification

I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

| | |
|--|---------------------|
| Signature of applicant: <u>[Signature]</u> | Date: <u>5-4-00</u> |
|--|---------------------|

Building Permit Fee: \$50.00 for the 1st \$1000. cost plus \$6.00 per \$1,000.00 construction cost thereafter.
Additional Site review and related fees are attached on a separate addendum





RESTAURANT KITCHEN GAS APPLIANCES PROTECTED BY: AMEREX KP RESTAURANT FIRE SUPPRESSION SYSTEM

SPECIFICATIONS

GENERAL:

The Amerex KP Restaurant System is a pre-engineered, wet chemical, stored-pressure type with a fixed nozzle agent distribution network. The system is listed by Underwriter's Laboratories, Inc., ULC and tested to U.L. Standard 300. The system shall be designed, installed and maintained in accordance with: Amerex Part No. 12385 "Design, Installation and Maintenance Manual", N.F.P.A. 96, N.F.P.A. 17A, local codes and ordinances by an Authorized Amerex KP Systems Distributor using factory trained personnel.

AGENT:

The system agent is Amerex KP liquid fire suppressant, a potassium acetate based solution that suppresses cooking grease fires both through saponification and cooling. The agent has a pH of 9 or less and does not harm stainless steel surfaces.

AGENT CYLINDER / DISCHARGE VALVE ASSEMBLY:

The agent cylinder is a mild steel DOT 4BW 240 specification cylinder, tested to 480 PSI (3309 kPa). The agent cylinder/discharge valve assembly is fully factory charged with Amerex KP liquid agent and pressurized to 240 PSI (1655 kPa).

DETECTION:

The detection network uses a continuous cable run with detectors specifically listed for use with the Amerex KP System. No "S" hooks are allowed.

MECHANICAL RELEASE MODULE (MRM):

The mechanical release module is the spring-loaded type using a mechanical input and electrical, mechanical or pneumatic outputs. It is capable of actuating from one to ten cylinder/valve assemblies using one nitrogen cylinder and is operated either automatically by the detection network or manually by a remote manual pull station.

The MRM enclosure, available in either stainless steel or red painted steel has a system status indicator and a window to observe the nitrogen cylinder pressure. The enclosure has provisions for applying tamper seals after final testing or periodic maintenance. The MRM enclosure has knockouts on three sides (top, bottom & right) to accept conduit. The MRM has one SPDT micro switch pre-installed.

ACTUATION CYLINDER:

The actuation cylinder is filled with 10 cu. in. of nitrogen and has an integral pressure gauge which allows easy field verification of pressure. This cylinder is capable of being refilled in the field by an Authorized Amerex KP Systems Distributor.

AGENT CYLINDER BRACKET:

The agent cylinder bracket is steel, painted red, with a factory supplied discharge hose and pipe outlet.

STAINLESS STEEL CABINET (Optional):

An optional stainless steel cabinet housing an MRM and 1 agent cylinder is available. The pressure gauges for the nitrogen cylinder and the agent cylinder are visible without removing the front cover of the cabinet.

DISCHARGE NOZZLES:

Discharge nozzles are made of chrome plated brass, and shall consist of a body, strainer, tip, retaining nut and blow off cap.

MANUAL PULL STATIONS:

The manual pull stations are a "dual action" type. Both a ring pin and lever must be pulled in order to discharge the system manually.

MECHANICAL GAS VALVES - 1/2 TO 2 INCH SIZES:

A mechanical gas valve, specifically listed by U.L. for use with the Amerex KP system, shall be installed for automatic shut off of gas whenever gas appliances are used. The valve has a "pull to close" design requiring a pull force to trip a latch which holds the valve in the open position. The cover of the gas valve has a visual indicator showing the valve's position.

ELECTRICAL GAS VALVE:

If an electrically operated gas valve is required, it must be U.L. Listed for use with the Amerex KP system and operate by using a micro switch and a U.L. listed manual reset relay.

ELECTRIC MICRO SWITCH:

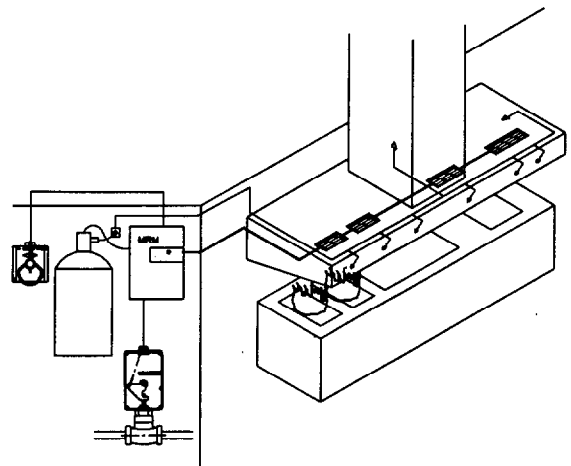
U.L. listed electric micro switches are provided to accomplish system output functions. The switches are "stackable" inside the MRM without requiring extra mounting hardware. From 1 to 4 sets of dry form C contacts are available.

The combination of the Amerex KP system and an Amerex Model 260 Wet Chemical extinguisher provides restaurants with a "ONE - TWO" attack against the threat of business loss due to cooking operation fires.

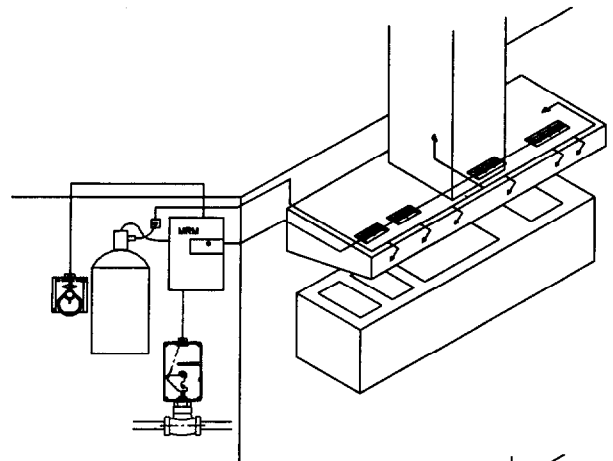
The Amerex KP automatic restaurant fire suppression system protects the hood, duct and appliances.

In either automatic or manual actuation - the system works in this manner:

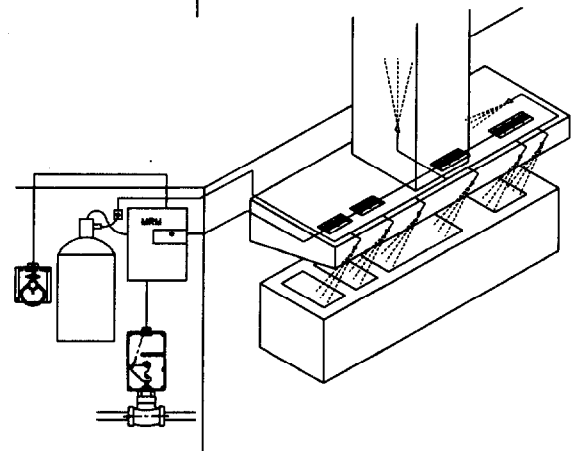
1. When a fire starts, either the fusible link detection network will automatically detect the fire or the manual pull station can be used, releasing a low pH agent throughout the hood, duct and onto the appliances.



2. Either method in # 1 will interrupt gas or electrical power to the appliances preceding system discharge.



3. The Amerex KP agent quickly extinguishes the flame and cools the hazard down while securing the fire with a smothering foam reaction.



Amerex recognized and addressed the unique hazards of modern restaurant cooking by creating the Model 260 Class K Wet Chemical "Kitchen Use" fire extinguisher.

This extinguisher along with the research and tests to develop it has changed the way that NFPA regards cooking grease fires. After July 1, 1998, all new installations of fire extinguishers protecting cooking hazards require a Class K extinguisher. This class recognizes the unique nature of cooking grease which requires not only extinguishment but the cooling effect which is best obtained with WET CHEMICAL extinguishers.

When the KP System is used in combination with the Amerex Model 260 you have the perfect two step attack for kitchen fire suppression!



NFPA-10 (2-3.2) Fire extinguishers provided for the protection of cooking appliances that use combustible cooking media (vegetable or animal oils and fats) shall be listed and labeled for Class K fires.

First of it's kind U.L. rating: 2A:1B:C:K

AMEREX CORPORATION

**P.O. Box 81 ♦ Trussville, AL 35173-0081
Phone: (205) 655-3271 ♦ Fax: (205) 654-5112
E-Mail: sales@amerex-fire.com
Web Page: <http://www.amerex-fire.com>**

Distributed by:



**Grinnell Fire Protection Systems
20 Thomas Drive
Westbrook, ME 04092**