AMEREX KITCHEN PROTECTION ZONE DEFENSE COVERAGE

Amerex Zone Defense Coverage

Kitchens Hazards Change, Protection Stays The Same

The Amerex KP Zone Defense Solution is the easiest and most effective way to design protection for your kitchen. Zones can be set up over any hazard areas and within those zones appliances can be moved or exchanged without a need for reconfiguration like traditional Appliance specific systems. An entire hood or just portions of a hood (Split Zone) can be covered by zone coverage. Additional flow points can be used for hazards such as salamanders, that are not covered by zone or flood configurations. No connection to the domestic water supply or building sprinkler system are needed.

The Zone Defense coverage zone is 34" (863mm) deep, with the end nozzles placed 6" (152mm) from the outside edges of the coverage zone, and spaced up to 20" (508mm) between and 46 to 51" above.

Zone Defense Tank Configurations				
Max Length of Zone (ft)	Max Length of Zone (m)	Tank Size, Quantity, and Flow Points	Additional Flow points available at max length	# of Zone Nozzles (14178)
4.33	1.32	KP275—8 FP	0	3
6.00	1.83	KP375—11 FP	1	4
9.33	2.84	KP475—14 FP	0	6
12.66	3.86	KP375 x 2—22 FP	1	8
20.00	6.09	KP375 x 3—33 FP*	2	13



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* = Requires 2 supply lines

Plenum and Duct Coverage already accounted for in calculations:

- Zone configurations work with all detection method by spacing the link brackets every 24" (610mm), PRM tubing and STRIKE LHD (linear heat detection) always work for zone detection because it detects on the entire length of the hood.
- One Plenum nozzle (11982) per 10' (3m) of hazard is accounted for in the maximum length calculations above.
- For Hoods under 9.33' (3m) the calculations above account for a single duct of less than 50 perimeter inches or 16" diameter (1 x 16416 nozzle using 1 Flow).
- For Hoods over 9.33' (3m) the calculations above account for either 2 ducts of 50 inches or 1 duct of 100 perimeter inches. (2 x 11983 nozzles using 3 Flows).
- If more duct or AP coverage is needed 20" (508mm) of zone could be removed. This removes a Zone Nozzle (#14178) and frees up two Flow Points.

For Specifications and Drawings visit us at: https://www.amerex-fire.com/products/amerex-restaurant-systems/



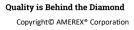
AMEREX[®] CORPORATION P.O. Box 81

7595 Gadsden Highway

Trussville, AL 35173

tech.services@AMEREX-fire.com customer.service@AMEREX-fire.com sales@AMEREX-fire.com







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Amerex KP Zone Defense

As a designer you only need to know 3 things for the perfect fire suppression recipe: hood length, duct size, and to always specify Amerex!

For Specifications, manuals, models, and Drawings visit us at: https://www.amerex-fire.com/products/amerex-restaurant-systems/

> 3D models and REVIT Files also available on SPECIFI: https://us.specifiglobal.com/

ZD-6' ZD-9.25' ZD-20' ZD-12.5' Part # KP375 Tank KP475 Tank 2 x KP375 3 x KP375 Bracket Mount for KP (275 375 475) KP Agent Cylinder 375 (11FP) KP Agent Cylinder 475 (14FP) Nozzle - Zone Defense - 2 Flow Points Nozzle - Duct - 1 Flow Point Nozzle - Appliance / Plenum - 1 Flow Point Nozzle 1.5 flow duct Quick Seal - 3/8" Pipe Quick Seal Corner Pulley Adapter - Fits CP5 Quick Seal - 3/8" Pipe for each ZD nozzle drop Detector(includes bracket, linkage and conduit fittings) Fusible Link-360 degree F. ("K") MRM with enclosure (stainless) Vent Check Cylinder, Nitrogen-10 cu. In Actuation Hose (N2-1/4" x 16") Corner Pulley-CP5 Brooks Sytle Manual Pull Station (surface or flush) Max Hood length of ZD Kit (feet) Nozzle Drop Spacing (in) Flow Poitns used (nozzles) Flow Points available (tanks) Spare FP (for other appliances not coverd by ZD)

Standard Link Based Zone Coverage Materials List



AMEREX[®] CORPORATION P.O. Box 81

7595 Gadsden Highway

customer.service@AMEREX-fire.com



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Trussville, AL 35173

sales@AMEREX-fire.com

tech.services@AMEREX-fire.com