



# DEMCO

Quality Without  
Compromise

## Protect your kitchen with Demco's Effective yet Flexible Fire Suppression System

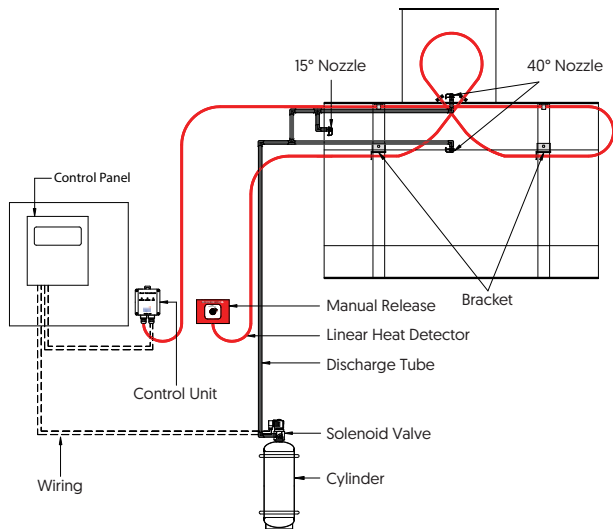
*Easy-to-install KitchenShield with Eco-Friendly Extinguishing Agent*



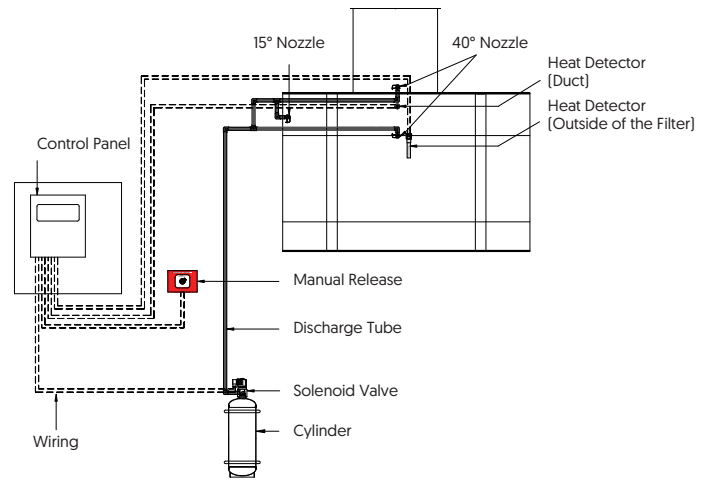
*Highly Dependable  
without electricity  
or moving parts*



## Linear Heat Detector System



## Heat Detector System



# KITCHEN EXTINGUISHING SYSTEM

KitchenShield sophisticated wet chemical agent has a significant influence on the extinguishing result (especially in the case of grease fires) but also factors such as the corrosive behavior and performance have been taken into account when developing a suitable agent.

Available with three types of detection and a wide range of cylinders. Kitchen Mister is the cost efficient solution designed to provide a total coverage of your kitchen equipment

Form	Liquid
Colour	Brownish
Odour	Typical
Melting Point	Not available
Boiling Point	>100°C
Flash Point	>100°C
Density at +20°C	1.02g/ml
Solubility in water	Completely miscible
pH value (G/L Water, °C)	Ca. 7.5

*Specifications are subject to change.*

## Types of System

Type	1	2	3	4	5
Cylinder Volume	12L	15L	20L	30L	35L
Nozzle Quantity	3 - 4	5 - 7	8 - 10	11 - 15	16 - 17
Volume Per Nozzle	1.5L	1.5L	1.5L	1.5L	1.5L
Heat Detector Quantity	2	3	4	5	6

# Components

## Cylinder



Cylinder Size (L)	Diameter (mm)	Height (mm)	Material
12L	180	545	Mild Steel
15L	180	650	Mild Steel
20L	255	572	Mild Steel
30L	255	724	Mild Steel
35L	255	800	Mild Steel

## Solenoid Valve



<b>Material</b>	Brass nickel-plated
<b>Voltage</b>	24V DC
<b>Power Consumption</b>	12 Watt
<b>Pressure Gauge Connection</b>	M10X1
<b>Valve Outlet</b>	G1/4"



## Nozzle



<b>Spray cone diameter @1000mm height</b>	1100mm for Nozzle 40°, 500mm for Nozzle 15°
<b>Spray form</b>	Full cone

## Demco Heat Detector

<b>Model</b>	D-143
<b>Contacts</b>	Normally open, close on temperature rise
<b>Applied Voltage AC</b>	32 V max
<b>Applied Voltage DC</b>	32 V max
<b>Operating Current</b>	0.25A max
<b>Operating or Set Temperature Range</b>	232°C
<b>Ambient Temperature Range</b>	-10°C to +180°C
<b>Relative Humidity</b>	100%
<b>Weight</b>	190g
<b>Sensitivity &amp; Accuracy</b>	+/- 10% or 10 degrees
<b>Mounting Screw Threads</b>	10Kgm torque max

# Other Accessories

## Control Panel



Model	D-020-EPC
Main Power Supply	230V AC, 50/60Hz
Internal Power Supply	19VDC – 28.5VDC
Battery requirement	2 x 12V 7AH
Battery Housing	2 x 12V 7AH
Switching Power Supply	1.4A @ 27.6VDC
Cable type	PVC / Screen / Firerated cable
Maximum detectors per zone	32
Number of sounder circuits	1
Maximum bell output	800mA
Weight	3kg (without batteries)
Dimension	325mm x 325mm x 80m
Event Log	Yes & Downloadable

## Alarm Bell



Model	D-132
Size	150mm
Voltage	24VDC
Current	30mA

## Manual Key Switch



Model	D-101KS
Size	112mm x 82mm x 47mm

## Twin Flashing Light



Model	D-144WPL
Voltage	24VDC
Current	40mA

## Gas Shut Off Valve



Diameter	25mm
Voltage	24VDC
Temperature Ambient	-15 + 60°C
Ingress Protection	IP65

## Nozzle Laser Pointer



Model	Laser Pointer
Material	SS304 / Brass

## Cylinder Bracket



Material	Mild Steel
Capacity	9 liters – 35 liters

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