KANEX ®

Shaping the future of Fire Protection
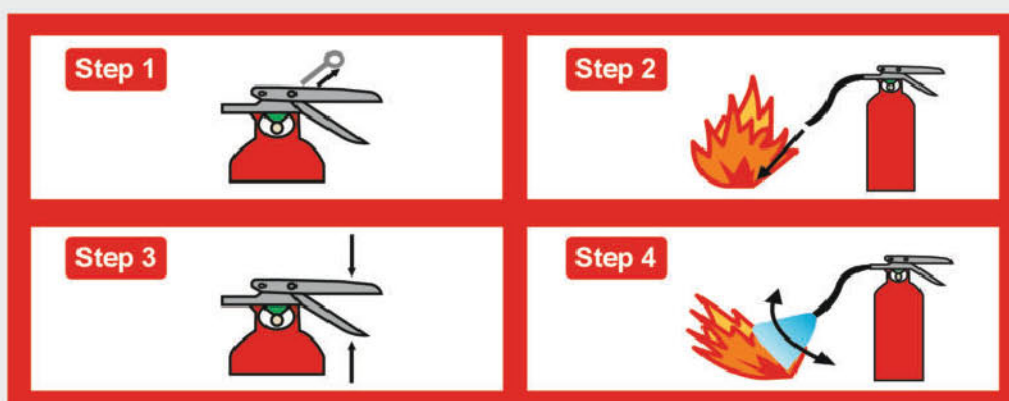
PRODUCT CATALOG

WHERE TO USE?

- An extinguisher is a First-aid device which is used against the critical situations of fire only. There is no chance for testing the device while fire is going on, that's why the device must be totally reliable and user friendly.

- When it comes to application, Fire equipment needs to be identifiable, handy and appropriate for the property it is intended to protect.

- But good fire protection is about more than just having the right devices in the right places, also requires rigorous monitoring to ensure that it will perform effectively when needed.

- Everyone should be familiar with the picture symbols which identify the types of fires on which they may be used. As listed below.

- The symbol diagonal red slashes indicates a potential danger if the extinguisher is used on that particular type of fire.

- Absence of a type symbol means only that the extinguisher is not recommended as particularly effective for that classification of fire.

			Suitable for Class B and Class C fires but not for Class A
			Suitable for Class A fires but not for Class B or Class C
			Suitable for Class A and Class B fires but not for Class C

HOW TO USE?

- "KANEX" provides you a valuable user manual which contains very much needed information like how to use, install and maintenance of an extinguisher.

- The Label affixed on extinguisher body contains specific information of "HOW TO OPERATE" the particular extinguisher.

- The label instruction will change according to size and type of extinguisher.

- Every one should be aware of Instructions provided on Extinguishers.

Step 1
Step 2
Step 3
Step 4

INROOM- MODULAR BASED SUPPRESSION SYSTEM (KRPS)

Ideal Use

| Home | Office | Buildings | Warehouses | Farms | Wood working area |

KANEX®

INTRODUCTION

Research & analysis demands specialised fire suppression technology for unique infrastructures, business buildings. KRPS neither demand any structural modification nor consumption of floor space as this system is mounted directly on the ceilings of space.

This system is designed with smart & sensitive elements like Smoke & heat detectors and also this minimizes the false activation by Programmed control panel.

This system comprises the following components.

SYSTEM DESCRIPTION

The ceiling mounted modular container contains extinguishing agent with its rated capacity. This container is fitted with specially designed nozzle which can protect area with optimum quantity of agent. The modular unit is attached with master control panel & panel is again attached with smoke & heat detectors.

Thus, even a smallest fire can be detected by detectors & this detectors will convey signal to control panel & panel will communicate with modular

So, panel communicates two-way with Modular as well as detectors to ensure complete operation.

Class A	Class B	Class C	Electrical

OPERATION

- The detectors will detect smoke (Smoke detectors) or temperature (Heat detectors) or both and then it will send electrical signal to control panel
- To decrease possibility of false alarm & activation the cross zonal function comes in to action. In this case control panel will act only when two or more detectors of same zone will detect the fire & send electrical signal to panel.
- Once the control panel is activated, it will start strobe light & siren. This will start for some specific time to allow to evacuate the room.
- And after some time the agent will start to discharge from nozzle with signal from relay module within specific time and the total area will be flooded
- This system is also provided with manual control switch with which whole system can be activated (or deactivated) manually if required

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ADVANTAGES

- This system can be installed directly to anyenvironment on ceiling without any drasticmodification in structures
- Since the system is installed on ceiling it is un obstructive to man & material & it contains approximately no space on floor
- It can be installed to any site which is impracticable for future suppression or flooding system installation
- Cost-effective, No any bulk installation & flexible.
- As in flooding system this system doesn't require any extra room / floor for storage of extinguishing agent containers
- 24x7 protection & programmed operation

COMPONENTS

1. Rated capacity extinguisher with solenoid operative valve
2. Smoke detector
3. Heat detector
4. Master control panel
5. Manual Release (or Abort)switch
6. Hooter with strobe light7 Relay module

PERFORMANCE DATA

MODEL	KRPS-2-CA	KRPS-5-CA	KRPS-10-CA	KRPS-15-CA	KRPS-2-DCP	KRPS-5-DCP	KRPS-10-DCP	KRPS-15-DCP
Content (Agent)	Clean agent (HFC 236fa / FE 36 / HFC 227ea / FM 200)				MAP-50% / MAP-90% / MAP-90% UL Listed Powder			
Capacity	2 kg	5 kg	10 kg	15 kg	2 kg	5 kg	10 kg	15 kg
Design	Ceiling Mounted							
Dimensional Height (Approx)	380 mm	375 mm	405 mm	425 mm	380 mm	375 mm	405 mm	425 mm
Diameter (Approx)	150 ± 10 mm	230 ± 10 mm	300 ± 10 mm	400 ± 10 mm	150 ± 10 mm	230 ± 10 mm	300 ± 10 mm	400 ± 10 mm
Average Discharge time	4-5 Sec	6-8 Sec	10-15 Sec	15-20 Sec	4-5 Sec	6-8 Sec	10-15 Sec	15-20 Sec
Floor to nozzle Height	1.5 Mtr	2.0 Mtr	2.0 Mtr	2.5 Mtr	1.5 Mtr	2.0 Mtr	2.0 Mtr	2.5 Mtr
Average % Discharge	99%	99%	99%	99%	99%	99%	99%	99%
Operating Temperature	-30 °C to +60 °C							
Service / Test Pressure	15 / 35 bar							
Expelling Agent	Nitrogen (UHP grade)							
Empty / Full Weight (Approx.)	1.56 / 3.56 kg	2.64 / 7.64 kg	4.11 / 14.11 kg	6.4 / 21.4 kg	1.56 / 3.56 kg	2.64 / 7.64 kg	4.11 / 14.11 kg	6.4 / 21.4 kg
Mounting Bracket	Ceiling mounting stand							