



KANEX[®]

Shaping the future of Fire Protection



PRODUCT CATALOG

www.kanexfire.com



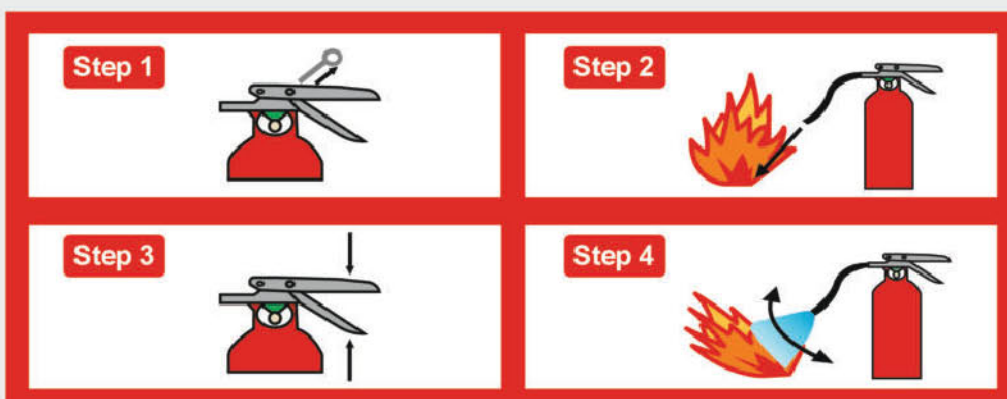
WHERE TO USE?

- 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.





LITHIUM ION STORED PRESSURE FIRE EXTINGUISHER SERIES

KANEX - EXTINGUISHER -AVD Lithium-ion batteries are popular because of how much power they can put out at a given size and weight in comparison to old lead type batteries. However, lithium-ion batteries are extremely sensitive to high temperatures and inherently flammable. These battery packs tend to degrade much faster than they normally would, due to heat. If a lithium-ion battery pack fails, it will burst into flames and can cause widespread damage.

Ideal Use



Factories



Office

How does AVD emulsion work?

The vermiculite particles within the mist are deposited on the surface of the burning fuel to create a film over the top of the fire. The film instantly dries and, because the high aspect ratio platelet particles overlap and bind together, a non-flammable oxygen barrier between the fuel and the atmosphere is produced.

This process has a cooling effect on the fuel source and, as the water content in AVD is evaporated, the vermiculite platelets begin to build up and the fire is brought under control.



Class A



Electrical



Li-Ion Battery



When lithium-ion batteries are exposed to heat, physical/impact damage or overcharging, they go into thermal runaway.



The cells are sufficiently swollen, releasing hot flammable gases (hydrocarbons) that are formed as the electrolyte dissociates.



The hydrocarbons burn vigorously at high temperatures and rapidly spread the fire to the surrounding cells and flammable materials.



AVD encapsulates the fuel source and insulates the cells, preventing further propagation of thermal runaway - bringing the fire under control.



AVD is applied as a fine mist, which instantly cools the batteries and extinguishes the flames.

PERFORMANCE DATA

MODEL	KFLIHQ-1	KFLIHQ-2	KFLIHQ-6	KFLIHQ-9
Capacity	1 Ltr	2 Ltr	6 Ltr	9 Ltr
Design	Nozzle		Hose with Nozzle	
Fire Rating	3A	5A	13A	13A
Height (Approx.)	325 mm	370 mm	570 mm	640 mm
Diameter (Approx.)	86 ± 5 mm	106 ± 5 mm	150 ± 5 mm	180 ± 5 mm
Average Discharge time	25 Sec	50 Sec	120 Sec	170 Sec
Average Range of throw	1.5 - 2 m	1.5 - 2 m	1.5 - 2 m	1.5 - 2 m
Average % Discharge	97%	97%	97%	97%
Operating Temperature	+5 °C to + 60 °C			
Service/Max. service/Test Pressure	15 / 18 / 35 bar			
Expelling Agent	Nitrogen (UHP Grade)			
Empty Weight (Approx.)	2.2 kg	2.7 kg	4.9 kg	5.5 kg
Full Weight (Approx.)	4.2 kg	5.7 kg	10.9 kg	14.5 kg
Shipping Weight (Approx.)	4.5 kg	6.1 kg	11.3 kg	15.0 kg
Mounting Bracket	VEHICLE MOUNTED / WALL MOUNTED		WALL MOUNTED	

Designed, Manufactured & Marketed by:
KANADIA FYR FYTER PVT. LTD.
An Iso 9001:2015 certified company

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