KANEX®

STEP INSIDE THE SAFEZONE

KANEX®

Where to Use?

An extinguisher is a critical device which is used in the midst of critical situations only. There is no chance for testing , which will be tested and used at a time that's why the device must be totally reliable also which should designed in such a way that it works till the last day of shelf life.

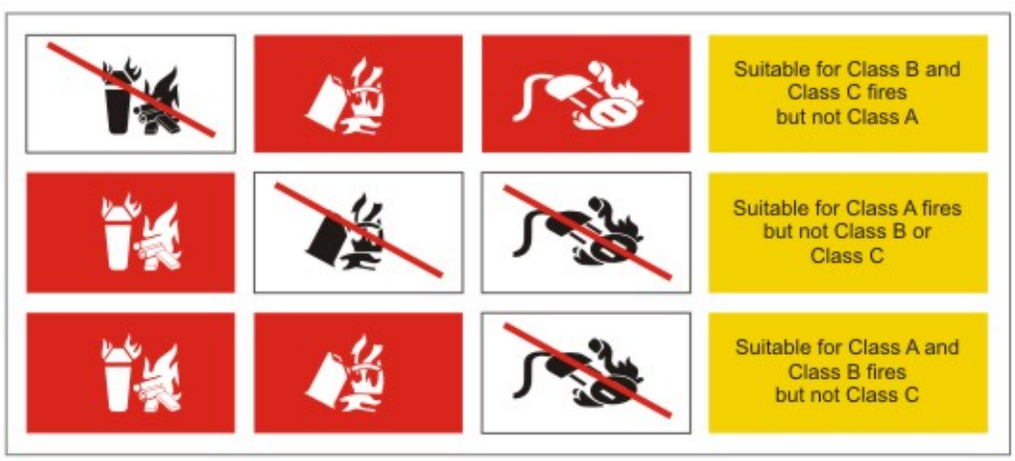
When it comes to application Fire equipment needs to be identifiable, easy to get hold of and appropriate for the property it is intended to protect.

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 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.



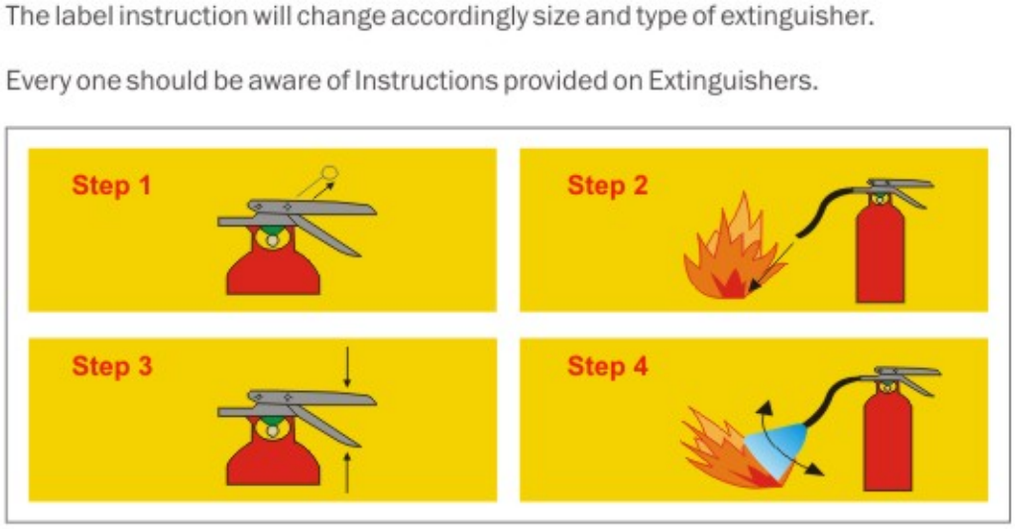
How to Use?

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

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

The label instruction will change accordingly size and type of extinguisher.

Every one should be aware of Instructions provided on Extinguishers.



Optional Base

POWDER EXTINGUISHERS

KANEX STORED PRESSURE Dry Powder fire extinguishers are characterized by their high performance, simple method of operation and rapid fire knock down capability. They are suitable for tackling fires involving freely burning materials, petrol & oils, gas & electrical equipment. They are ideal for vehicle & marine risks. KANEX powder extinguishers contain high performance powder to achieve high Fire Rating.

Class A | Class B | Class C | Electrical

FEATURES

- Mono Ammonium Phosphate based dry chemical powder confirms to14609 and is capable of fighting class A, B, C & Electrical fires.
- BIS Approved (IS 15683)
- CE Certified (Marked On Demand)
- High quality pure polyester powder coating
- Controlled discharge
- Brass nickel plated head valve with simple squeeze operation
- Unique gauge testing system (UGTS)
- Easy & more economical to maintain & service
- Rechargeable and easy to service
- Large loop Stainless steel Pull pin
- High quality EPDM Rubber braided hose is far more flexible than the normal rubber used in hose pipe and also far less prone to cracks.

Ideal Use:

Homes, office, Buildings warehouses, Farms and Wood working area etc.

Fire Rating as per IS 15683:2006 (MAP 50%)			
MODEL	A	B	Factory Tested A:B
KFA 1	--	8B	13B
KFA 2	--	8B	1A:21B
KFA 4	2A	21B	2A:34B
KFA 6	3A	21B	3A:55B
KFA 9	3A	21B	4A:89B
Higher Fire Ratings (MAP 90%)			
KFA 1-90%	1A	13B	--
KFA 2-90%	1A	21B	--
KFA 4-90%	2A	21B	2A:55B
KFA 6-90%	3A	21B	3A:89B
KFA 9-90%	4A	89B	4A:233B

PERFORMANCE DATA

Model	KFA 1 / KFA 1 -90%	KFA 2 / KFA 2 - 90%	KFA 4 / KFA 4 - 90%	KFA 6 / KFA 6 - 90%	KFA 9 / KFA 9 - 90%
Capacity	1 kg	2 kg	4 kg	6 kg	9 kg
Design	Nozzle	Nozzle	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle
Fire Rating (MAP 50%)	8B	8B	2A : 21B	3A : 21B	3A : 21B
Fire Rating (MAP 90%)	1A : 13B	1A : 21B	2A : 34B*	3A : 55B*	4A : 89B
Height (Approx.)	325 mm	380 mm	490 mm	530 mm	575 mm
Diameter (Approx.)	86±10 mm	106±10 mm	140±10 mm	150±10 mm	180±10 mm
Average Discharge time	9 Sec.	14 Sec.	18 Sec.	24 Sec.	31 Sec.
Average Range of throw	2 m	2.5 m	3 m	5 m	6 m
Average % Discharge	92%	92%	94%	93%	93%
Operating Temperature	-30 °C to +55 °C	-30 °C to +55 °C	-30 °C to +55 °C	-30 °C to +55 °C	-30 °C to +55 °C
Service Pressure (Ps)	15 bar	15 bar	15 bar	15 bar	15 bar
Max. Service Pressure (Pms)	17 bar.	17 bar.	17 bar.	17 bar.	17 bar.
Test Pressure	35 bar.	35 bar.	35 bar.	35 bar.	35 bar.
Expelling Agent	Nitrogen (UHP Grade)	Nitrogen (UHP Grade)	Nitrogen (UHP Grade)	Nitrogen (UHP Grade)	Nitrogen (UHP Grade)
Full Weight (Approx.)	2 kg.	3.4 kg.	6.6 kg.	8.9 kg.	13.3 kg.
Empty Weight (Approx.)	1 kg.	1.4 kg.	2.6 kg.	2.9 kg.	4.3 kg.
Shipping Weight (Approx.)	2.1 kg.	3.6 kg.	7.0 kg.	9.2 kg.	13.6 kg.
Packing Standard	Inner- 13.75"X4.75"X4.75" Outer (5 in 1)- 16.5"X10"X10"	Inner- 13.75"X4.75"X4.75" Outer (4 in 1)- 16.5"X10"X10"	2 in 1- 21"X6.75"X14.10"	2 in 1- 21"X6.75"X14.10"	1 in 1 - 24.5"X8.0"X8.0"
Mounting Bracket	Vehicle/Wall bracket	Vehicle/Wall bracket	Wall Barcket	Wall Barcket	Wall Barcket
Approvals	BIS & CE	BIS & CE	BIS & CE	BIS & CE	BIS & CE

* Indicates factory tested

KANEX®

DuPont FE 36 CLEAN AGENT

KANEX FE 36 clean agent fire extinguishers have effective extinguishing action, environmentally acceptable and excellent alternative for Halon 1211. Clean Agent HFC-236fa is a non corrosive, electrically non conductive and free of residue. It is ideally suited for protecting high value equipment.

Class A | Class B | Class C | Electrical

CE

FEATURES

- FE 36(HFC-236fa) Based Extinguishing Agent capable of fighting class A, B, C & Electrical fire.
- BIS Approved (IS 15683) & CE certified (Marked On Demand)
- High Performance Extinguishing agent environmentally safe with ZERO ODP
- FE 36 (HFC - 236fa) is an electrically Non Conductive & low in toxicity Protect data in process, reduces equipment damage, facilitate fast return to service.
- High Quality pure polyester powder coating
- Unique gauge testing system(UGTS)
- High Quality EPDM Rubber Braided Hose is far more flexible than the normal rubber used in hose pipe and also far less prone to cracks
- Maximum visibility during Discharge.
- Large loop Stainless steel Pull pin.
- No Electrical Conductivity Back to the operator
- No Thermal or Static Shock

Ideal Use:

Computers, Telephone, Switch gears, Sensitive datastorage, Offices, Boats, Aircraft's, Laboratories etc.

Fire Rating as per IS 15683:2006

MODEL	A	B	FACTORY TESTED A:B
KCA 2	--	8B	13B
KCA 4	1A	13B	1A:21B
KCA 6	1A	21B	1A:34B

DuPont FE 36 Clean Agent Approvals

FM Global | UL Underwriters Laboratories | US EPA SNAP

Properties of DuPont FE 36 Clean Agent Chemical Formula : 1,1,1,3,3,3 Hexa Fluoro Propane	
Molecular Weight	152
Boiling point	-1.4 °C
Freezing Point	-103 °C
Maximum Fill Density	1.20 gm/ml.
Specific gravity	1.34 gm/ml.
Scheduled Production Phase out per Montrol Protocol	None

Comparisons between Clean Agents			
Extinguishing Agent	HALON 1211	HALOTRON I	KANEX FE-36
Chemical Family	BCFC	HCFC	HFC 236 fa
Acute Toxicity: Cardiotox LOAEL (Lowest Observable Adverse Effects Level) A higher % is less toxic.	1%	2%	15%
Acute Toxicity: Cardiotox NOAEL (No Observable Adverse Effects Level) A higher % is less toxic.	0.50%	1%	10%
Extinguishing Concentration, Cup Burner, n-heptane	4-5%	6-7%	5.90%
Ozone Depletion Potential–ODP (CFC-11 = 1.0)	4	0.014	0
Global Warming Potential –GWP	N/A	Low	Moderate
Atmospheric Lifetime	Low	Low	Moderate

PERFORMANCE DATA

MODEL	KCA 2	KCA 4	KCA 6
Capacity	2 kg	4 kg	6 kg
Design	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle
Fire Rating	8B	1A : 13B	1A : 21B
Height (Approx.)	380 mm.	490 mm.	530 mm.
Diameter (Approx.)	106±10 mm.	140±10 mm.	150±10 mm.
Average Discharge time	12.5 Sec.	14 Sec.	22 Sec.
Average Range of throw	3 m	3.5 m.	4 m.
Average % Discharge	96%	97%	96%
Operating Temperature	'-20 °C to +55 °C	'-20 °C to +55 °C	'+5 °C to +55 °C
Service Pressure (Ps)	9 bar	9 bar	9 bar
Max. Service Pressure (Pms)	13 bar.	13 bar.	13 bar.
Test Pressure	35 bar.	35 bar.	35 bar.
Expelling Agent	Nitrogen (UHP Grade)	Nitrogen (UHP Grade)	Nitrogen (UHP Grade)
Full Weight (Approx.)	3.6 kg.	6.7 kg.	8.9 kg.
Empty Weight (Approx.)	1.6 kg.	2.7 kg.	2.9 kg.
Shipping Weight (Approx.)	3.8 kg.	7 kg.	9.2 kg.
Packing Standard	Inner-13.75"X4.75"X4.75" Outer (4 in 1)- 16.5"X10"X10"	2 in 1- 21"X6.75"X14.10"	2 in 1- 22.5"X6.75"X14.10"
Mounting Bracket	Vehicle/Wall bracket	Wall Barcket	Wall Barcket
Approvals	BIS & CE	BIS & CE	BIS & CE

DuPont FE 36 CLEAN AGENT (SS BODY)

KANEX FE 36 clean agent extinguishers have effective extinguishing action, environmentally acceptable and excellent alternative for HALON 1211. Clean Agent HFC-236fa is a non corrosive, electrically non conductive and free of residue. It is ideally suited for protecting high value equipment

Class A | Class B | Class C | Electrical

FEATURES

- ✓ Smooth & Polished Stainless Steel body.
- ✓ FE 36(HFC-236fa) Based Extinguishing Agent capable of fighting class A, B, C & Electrical fire.
- ✓ BIS Approved (IS 15683) & CE certified
- ✓ High Performance Extinguishing agent environmentally safe with ZERO ODP
- ✓ FE 36 (HFC - 236fa) is an electrically Non Conductive & low in toxicity
- ✓ Protect data in process, reduces equipment damage, facilitate fast return to service.
- ✓ Smooth finish & also available with high quality PP powder coating
- ✓ Unique gauge testing system(UGTS)
- ✓ High Quality Epdm Rubber Braided Hose is far more flexible than the normal rubber used in hose pipe and also far less prone to cracks

FE 36 Clean Agent Approvals :

- ✓ Du-Pont FE – 36 Fire Extinguishant is UL Approved
- ✓ Du-Pont FE – 36 is EPA SNAP Approved

Ideal Use:

Computers, Telephone, Switch gears, Sensitive datastorage, Offices, Boats, Aircraft's, Laboratories etc.

Fire Rating as per IS 15683:2006

MODEL	A	B
KCA 2	1A	21B
KCA 4	1A	21B

DuPont FE 36 Clean Agent Approvals

FM Global | UL Underwriters Laboratories | US EPA SNAP

Properties of DuPont FE 36 Clean Agent Chemical Formula : 1,1,1,3,3,3 Hexa Fluoro Propane	
Molecular Weight	152
Boiling point	-1.4 °C
Freezing Point	-103 °C
Maximum Fill Density	1.20 gm/ml.
Specific gravity	1.34 gm/ml.
Scheduled Production Phase out per Montrol Protocol	None

Comparisons between Clean Agents			
Extinguishing Agent	HALON 1211	HALOTRON I	KANEX FE-36
Chemical Family	BCFC	HCFC	HFC 236 fa
Acute Toxicity: Cardiotox LOAEL (Lowest Observable Adverse Effects Level) A higher % is less toxic.	1%	2%	15%
Acute Toxicity: Cardiotox NOAEL (No Observable Adverse Effects Level) A higher % is less toxic.	0.50%	1%	10%
Extinguishing Concentration, Cup Burner, n-heptane	4-5%	6-7%	5.90%
Ozone Depletion Potential–ODP (CFC-11 = 1.0)	4	0.014	0
Global Warming Potential –GWP	N/A	Low	Moderate
Atmospheric Lifetime	Low	Low	Moderate

PERFORMANCE DATA

MODEL	KCA 2	KCA 4
Capacity	2 kg	4 kg
Design	Hose & Nozzle	Hose & Nozzle
Fire Rating	1A:21B	1A:21B
Height (Approx.)	440 mm.	500 mm.
Diameter	100 +/- 10 mm.	140 +/- 10 mm.
Average Discharge time	12 Sec.	14 Sec.
Average Range of throw	3 m	4 m.
Average % Discharge	96%	97%
Operating Temperature	-30 °C to +55 °C	-30 °C to +55 °C
Service Pressure (Ps)	9 bar	9 bar
Max. Service Pressure (Pms)	13 bar.	13 bar.
Test Pressure	35 bar.	35 bar.
Expelling Agent	Nitrogen (UHP Grade)	Nitrogen (UHP Grade)
Full Weight (Approx.)	3.4 kg.	6.2 kg.
Empty Weight (Approx.)	1.4 kg.	2.2 kg.
Shipping Weight (Approx.)	3.6 kg.	6.4 kg.
Packing Standard	4 in 1- 12.2"X12.2"X17.5"	2 in 1- 21"X6.75"X14.10"

CARBON DIOXIDE TYPE

KANEX CO_2 GAS fire extinguishers are characterized by their high performance for fires involving an electrical rick like computers, office equipment and generators etc. CO_2 is non-conductive, clean and safe, ensuring minimal damage to electrical equipment and furnishings.

Available in squeeze grip as well as in wheel type.

Suitable for Class B, Class C & Electrical fire risks

Class B | Class C | Electrical

FEATURES

- Carbon Di Oxide is Colorless, Odorless, Non Toxic and provides rapid knockdown of industrial fires.
- BIS Approved (IS : 15683)
- CE Certified (On Request)
- Body is made up of Seamless Manganese Steel as per IS 7285 and CCOE/PESO approved.
- High quality Enamel Paint
- Controlled discharge
- Brass head valve with simple squeeze or wheel operations provided with pressure relief disc.
- Rechargeable and easy to service
- Non conductive agent for electrical use without risk to operator
- CO_2 gas disappears quickly leaving no residue
- Swivel horn for 2 & 3 kg with no freeze burn, with greater directional control of CO_2 discharge through horn rotation feature.

Ideal Use:

Chemical Manufacturing Plant, Oil Ring, Rail Yards, Warehouses, Construction sites, Parking garages, Airport, Electrical substation and Large laboratories.

Fire Rating as per IS 15683:2006

MODEL	A	B	Factory Tested
KFC 2	NA	8B	13B
KFC 3	NA	13B	21B
KFC 4.5	NA	21B	34B

PERFORMANCE DATA

MODEL	KFC 2	KFC 3	KFC 4.5
Capacity	2 kg	3 kg	4.5 kg
Design	Bend Pipe & Horn	Horn	Hose & Horn
Fire Rating	8B	13B	21B
Height (Approx.)	580 mm.	545 mm.	700 mm.
Diameter (Approx.)	108 ±10 mm.	140 ±10 mm.	140 ±10 mm.
Average Discharge time	9 Sec.	11 Sec.	12 Sec.
Average Range of throw	2.5 m.	2.5 m.	2.5 m.
Average % Discharge	96%	97%	96%
Operating Temperature	-30 °C to +55 °C	-30 °C to +55 °C	-30 °C to +55 °C
Service Pressure (Ps)	60 bar.	60 bar.	60 bar.
Max. Service Pressure (Pms)	106 bar.	110 bar.	105 bar.
Test Pressure	250 bar.	250 bar.	250 bar.
Full Weight (Approx.)	8.9 or 8.2 kg.	12.5 or 11.4 kg.	17 or 16.4 kg.
Empty Weight (Approx.)	6.9 or 6.2 kg.	9.5 or 8.4 kg.	12.5 or 11.9 kg.
Shipping Weight (Approx.)	9 or 8.3 kg.	12.8 or 11.7 kg.	17.4 or 16.8 kg.
Packing Standard	Jute Bags	Jute Bags	Jute Bags
Mounting Bracket	Wall Bracket	Wall Bracket	Wall Bracket
Approvals	BIS & CE	BIS & CE	BIS & CE

Optional Base

FOAM & WATER TYPE STORED PRESSURE

KANEX Stored Pressure Foam & Water fire extinguishers are ideal for fires involving volatile liquids and freely burning materials such as paper, cloth, wood and furniture.

Note : Mechanical Foam & Water extinguishers are not suitable for fires involving electrical risk.

- Water Type Suitable for Class A Fire Risk
- Foam Type Suitable for Class A and Class B Fire Risk

Class A

Class A

Class B

FEATURES

- Aqueous Film Forming Foam (AFFF) is capable of fighting Class A and Class B fires.
- Water types are capable of fighting class A fire effectively.
- BIS Approved (IS 15683)
- CE Certified (Marked On Demand)
- High quality pure polyester powder coating
- Spray nozzle to provide high fire rating
- Controlled discharge
- Brass nickel plated head valve with simple squeeze operation
- Unique gauge testing system (UGTS)
- Rechargeable and easy to service
- High quality EPDM Rubber braided hose is far more flexible than the normal rubber used in hose pipe and also far less prone to cracks.
- Large loop Stainless steel pull Pin.

Ideal Use:

Petrol Stations, Restaurants, etc.

Caution :
Don't use on Electrical Fire.

Fire Rating as per IS 15683:2006

TYPE	MODEL	A	B	Factory Tested A:B
FOAM	KFM6-S	--	--	1A:21B
	KFM9-S	2A	21B	3A:34B
WATER	KFW6-S	--	NA	2A
	KFW9-S	2A	NA	3A

PERFORMANCE DATA

MODEL	KFM6-S	KFM9-S	KFW6-S	KFW9-S
Capacity	6 Ltr.	9 Ltr.	6 Ltr.	9 Ltr.
Design	Hose & Air aspirated Nozzle		Hose & Nozzle	
Fire Rating	*1A:13B	2A:21B	*2A	2A
Height (Approx.)	530 mm.	575 mm.	530 mm.	575 mm.
Diameter (Approx.)	150±10 mm.	180±10 mm.	150±10 mm.	180±10 mm.
Average Discharge time	22 Sec.	35 Sec.	22 Sec.	35 Sec.
Average Range of throw	5 m.	7 m.	5 m.	7 m.
Average % Discharge	96%	97%	96%	97%
Operating Temperature	+5 °C to +55 °C		+5 °C to +55 °C	
Service Pressure (Ps)	15 bar.		15 bar.	
Max. Service Pressure (Pms)	17 bar.		17 bar.	
Test Pressure	35 bar.		35 bar.	
Expelling Agent	Nitrogen (UHP Grade)		Nitrogen (UHP Grade)	
Full Weight (Approx.)	8 kg.	12 kg.	8 kg.	12 kg.
Empty Weight (Approx.)	2.9 kg.	4.3 kg.	2.9 kg.	4.3 kg.
Shipping Weight (Approx.)	8.2 kg.	12.3 kg.	8.2 kg.	12.3 kg.
Packing Standard	2 in 1- 22.5"X6.75"X14.10"	1 in 1- 24.75"X8"X8"	2 in 1- 22.5"X6.75"X14.10"	1 in 1- 24.75"X8"X8"
Mounting Bracket	Wall bracket		Wall bracket	
Approvals	Under Approval	BIS & CE	Under Approval	BIS & CE

*Factory Tested

FOAM & WATER TYPE STORED PRESSURE (SS BODY)

KANEX Stored Pressure Foam & Water extinguishers are ideal for fires involving volatile liquids and freely burning materials such as paper, cloth, wood and furniture.

Note : Mechanical Foam & Water extinguishers are not suitable for fires involving electrical risk.

- Water Type Suitable for Class A Fire Risk

Class A

- Foam Type Suitable for Class A and Class B Fire Risk

Class A Class B

CE

FEATURES

- ✓ Smooth & Polished Stainless Steel body.
- ✓ AFFF Aqueous Film Forming Foam Agent capable of fighting class A, B fire & Water capable of fighting class A fire
- ✓ CE Certified
- ✓ Smooth finish & also available with high quality PP powder coating
- ✓ Spray nozzle to provide high fire rating
- ✓ Choice of capacity 6 Ltrs. & 9 Ltrs.
- ✓ Controlled discharge
- ✓ Brass nickel plated head valve with simple squeeze operation
- ✓ Unique gauge testing system (UGTS)
- ✓ Rechargeable and easy to service
- ✓ High quality EPDM Rubber braided hose is far more flexible than the normal rubber used in hose pipe and also far less prone to cracks.

Ideal Use:

Petrol Stations, Restaurants, etc.

Caution :
Don't use on Electrical Fire.

Fire Rating as per IS 15683:2006

TYPE	MODEL	A	B
FOAM	KFM6-S	1A	13B
	KFM9-S	2A	21B
WATER	KFW6-S	2A	NA
	KFW9-S	3A	NA

PERFORMANCE DATA

TYPE	Mechanical Foam		Water CO_2	
MODEL	KFMSS6-S	KFMSS9-S	KFWSS6-S	KFWSS9-S
Capacity	6 Ltr.	9 Ltr.	6 Ltr.	9 Ltr.
Design	Hose & Air aspirated Nozzle		Hose & Nozzle	
Fire Rating	1A:13B	2A:21B	2A	2A
Height (Approx.)	550 mm.	645 mm.	550 mm.	645 mm.
Diameter (Approx.)	162±10 mm.	180±10 mm.	162±10 mm.	180±10 mm.
Average Discharge time	22 Sec.	35 Sec.	22 Sec.	35 Sec.
Average Range of throw	5 m.	7 m.	5 m.	7 m.
Average % Discharge	98%	98%	99%	99%
Operating Temperature	+5 °C to +55 °C		+5 °C to +55 °C	
Service Pressure (Ps)	15 bar.		15 bar.	
Max. Service Pressure (Pms)	17 bar.		17 bar.	
Test Pressure	35 bar.		35 bar.	
Expelling Agent	Nitrogen (UHP Grade)		Nitrogen (UHP Grade)	
Full Weight (Approx.)	8 kg.	12 kg.	8 kg.	12 kg.
Empty Weight (Approx.)	2.9 kg.	4.3 kg.	2.9 kg.	4.3 kg.
Shipping Weight (Approx.)	8.2 kg.	12.3 kg.	8.2 kg.	12.3 kg.
Mounting Bracket	Wall bracket		Wall bracket	
Approvals	CE		CE	

Optional Base

FOAM & WATER CO_2 CARTRIDGE TYPE

KANEX Cartridge operated Foam fire extinguishers are ideal for fires involving volatile liquids and freely burning materials such as paper, cloth, wood and furniture.

Note : Mechanical Foam & Water extinguishers are not suitable for fires involving electrical risk.

- Water Type Suitable for Class A Fire Risk
- Foam Type Suitable for Class A and Class B Fire Risk

Class A Class A Class B

FEATURES

- Aqueous Film Forming Foam (AFFF) is capable of fighting Class A and Class B fires.
- Water types are capable of fighting class A fire effectively.
- BIS Approved (IS 15683)
- CE Certified (Marked On Demand)
- High quality pure polyester powder coating
- Spray nozzle to provide high fire rating
- Choice of capacity 6 Ltrs. & 9 Ltrs.
- Controlled discharge
- Brass nickel plated head valve with simple squeeze operation
- Rechargeable and easy to service
- High quality EPDM Rubber braided hose is far more flexible than the normal rubber used in hose pipe and also far less prone to cracks.
- Large loop Stainless Steel pull pin

Ideal Use:

Petrol Stations, Restaurants, etc.

Caution :
Don't use on Electrical Fire.

Fire Rating as per IS 15683:2006

TYPE	MODEL	A	B	Factory Tested A:B
FOAM	KFM6-C	--	--	1A:21B
	KFM9-C	4A	34B	4A:55B
WATER	KFW6-C	--	NA	2A
	KFW9-C	3A	NA	--

PERFORMANCE DATA

MODEL	KFM6-C	KFM9-C	KFW6-C	KFW9-C
Capacity	6 Ltr.	9 Ltr.	6 Ltr.	9 Ltr.
Design	Hose & Air aspirated Nozzle		Hose & Nozzle	
Fire Rating	1A:13B*	4A:34B	2A*	3A
Height (Approx.)	530 mm.	585 mm.	530 mm.	585 mm.
Diameter (Approx.)	150±10 mm.	180±10 mm.	150±10 mm.	180±10 mm.
Average Discharge time	21 Sec.	32 Sec.	21 Sec.	32 Sec.
Average Range of throw	5 m.	7 m.	5 m.	7 m.
Average % Discharge	96%	97%	96%	97%
Operating Temperature	+5 °C to +55 °C		+5 °C to +55 °C	
Service Pressure (Ps)	14 bar.		14 bar.	
Max. Service Pressure (Pms)	16 bar.		16 bar.	
Test Pressure	35 bar.		35 bar.	
Expelling Agent	CO2 Gas		CO2 Gas	
CO2 Gas Cartridge	60 gm.		60 gm.	
Full Weight (Approx.)	9 kg.	13 kg.	9 kg.	13 kg.
Empty Weight (Approx.)	3.9 kg.	5.3 kg.	3.9 kg.	5.3 kg.
Shipping Weight (Approx.)	9.3 kg.	13.5 kg.	9.3 kg.	13.5 kg.
Packing Standard	2 in 1- 22.5"X6.75"X14.10"	1 in 1- 24.75"X8"X8"	2 in 1- 22.5"X6.75"X14.10"	2 in 1- 24.75"X15.3"X8"
Mounting Bracket	Wall bracket		Wall bracket	
Approvals	Under Approval	BIS & CE	Under Approval	BIS & CE

* Indicates factory tested

Optional Base

POWDER EXTINGUISHERS CARTRIDGE TYPE

KANEX Cartridge operated Dry Powder fire extinguishers are characterized by their high performance, simple method of operation and rapid fire knock down capability. They are suitable for tackling fires involving freely burning materials, petrol & oils, gas & electrical equipment. They are ideal for vehicle & marine risks. KANEX powder extinguishers contain high performance powder to achieve high Fire Rating.

Class B Class C Electrical

FEATURES

- Sodium-Bi-Carbonate based Dry Chemical powder confirms to IS 4308 & capable of fighting class B, C & Electrical fires.
- Mono Ammonium Phosphate based dry chemical powder confirms to IS 14609 & capable of fighting class A, B, C & Electrical fires.
- BIS Approved (IS 15683)
- CE Certified (Marked On Demand)
- High quality pure polyester powder coating
- Controlled discharge
- Brass nickel plated head valve with simple squeeze operation
- Easy & more economical to maintain & service
- Rechargeable and easy to service
- High quality EPDM Rubber braided hose is far more flexible than the normal rubber used in hose pipe and also far less prone to cracks.
- Large loop Stainless steel pull Pin

Ideal Use:

Homes, office, Buildings warehouses, Farms and Wood working area etc.

Fire Rating as per IS 15683:2006 (SBC)		
MODEL	A	B
KFD 4	NA	21B
KFD 6	NA	34B
KFD 9	NA	34B

Fire Rating as per IS 15683:2006 (With MAP Powder)		
KFDA 4	2A	34B
KFDA 6	3A	55B
KFDA 9	4A	89B

PERFORMANCE DATA

MODEL (SBC)	KFD 4	KFD 6	KFD 9
MODEL (MAP)	KFDA 4	KFDA 6	KFDA 9
Capacity	4 kg	6 kg	9 kg
Design	Hose & Nozzle	Hose & Nozzle	Hose & Nozzle
Fire Rating (SBC)	21B	34B	34B
Fire Rating (MAP)	2A : 34B	3A : 55B	4A : 89B
Height (Approx)	510 mm	540 mm	585 mm
Diameter (Approx)	140±10 mm	150±10 mm	180±10 mm
Average Discharge time	15 Sec.	20 Sec.	30 Sec.
Average Range of throw	4 m	4.5 m	5 m
Average % Discharge	94%	94%	93%
Operating Temperature	-30 °C to +55 °C	-30 °C to +55 °C	-30 °C to +55 °C
Service Pressure (Ps)	14 bar	14 bar	14 bar
Max. Service Pressure (Pms)	16 bar	16 bar	16 bar
Test Pressure	35 bar	35 bar.	35 bar
Expelling Agent	CO2 Gas	CO2 Gas	CO2 Gas
CO2 Gas Cartridge	120 gm.	120 gm.	200 gm.
Full Weight (Approx.)	7.3 kg.	10.3 kg	15.3 kg
Empty Weight (Approx.)	3.3 kg.	4.3 kg.	6.3 kg.
Shipping Weight (Approx.)	7.5 kg	10.5 kg.	15.7 kg
Packing Standard	2 in 1- 21"X6.75"X14.10"	2 in 1- 22.5"X6.75"X14.10"	2 in 1- 24.75"X15.3"X8"
Mounting Bracket	Wall Bracket	Wall Bracket	Wall Bracket
Approval	BIS & CE	BIS & CE	BIS & CE

* Indicates factory tested

K CLASS KITCHEN FIRE EXTINGUISHERS

Class K Fires most often occur where cooking media such as cooking oils, greases and animal fats are used.

Kitchen Fire extinguishers are designed to put out such kind of Fires safely and effectively in residential and commercial kitchens.


Class A


Class B

FEATURES

- Smooth & Polished Stainless Steel body.
- EPDM Rubber braided Discharge hoses for long life.
- Discharge Nozzle is made up of Aluminium and design allows a broad, dispersed discharge of agent that delivers a high volume, low velocity delivery of wet chemical which does not cause the cooking oil to splash.

WHY CAN'T WE USE MULTIPURPOSE ABC FIRE EXTINGUISHERS RATHER KITCHEN FIRE EXTINGUISHERS (WET CHEMICAL)?

- Changes in frying oils from animal fats to vegetable oils have reduced the ability of Multipurpose ABC Fire Extinguishers to extinguish many kitchen fires. As we know Vegetable oils have a much higher auto ignition temperature than animal fats because of this Heat breaks down the weaker foam layer created and re ignition takes place.
- Kitchen Fire Extinguishers have the ability to maintain the foamy layer enough to allow complete cooling.
- In addition, these wet chemical agents pose minimal damage threat to hot appliances.

PRINCIPLE OF OPERATION

Class K Extinguishers work on the principle of saponification. Saponification takes place when alkaline mixture such as wet chemical (Mixture of potassium acetate, potassium citrate, or potassium carbonate) is applied to burning Oil or fat, the wet chemical combined with the fatty acid creates a soapy foam layer on the surface which holds in the vapors and steam and extinguishes the fire.

PERFORMANCE DATA

MODEL	KFK 6	KFK 9
Capacity	6 Ltr.	9 Ltr.
Design	Hose & Special Nozzle	Hose & Special Nozzle
Height (Approx.)	550 mm.	645 mm.
Diameter (Approx.)	162 ±10 mm.	180 ±10 mm.
Average Discharge time	13 Sec. (Min.)	13 Sec. (Min.)
Average Range of throw	2 m. (Min.)	2 m. (Min.)
Average % Discharge	94%	95%
Operating Temperature	'+5 °C to +55 °C	'+5 °C to +55 °C
Service Pressure (Ps)	9 bar.	9 bar.
Max. Service Pressure (Pms)	13 bar.	13 bar.
Test Pressure	35 bar.	35 bar.
Expelling Agent	Nitrogen (UHP Grade)	Nitrogen (UHP Grade)
Full Weight (Approx.)	7.8 kg.	11.7 kg.
Empty Weight (Approx.)	2.7 kg.	4 kg.
Shipping Weight (Approx.)	7.9 kg.	11.8 kg.
Mounting Bracket	Wall bracket	Wall bracket
Approvals	CE	CE

D CLASS METAL FIRE EXTINGUISHERS

Kanex make Class D Fire Extinguisher s are designed to tackle flammable metal fires because Ordinary dry chemical powders are not suitable for fighting metal fires or even water & foam type too as metals react violently with metals. .

PRINCIPLE OF OPERATION

D type Fire Extinguishers contains a blended Sodium Chloride based dry powder extinguishing agent. Heat from the fire causes it to cake and form a crust excluding air and dissipating heat from burning metal.

Metal fires involving magnesium, sodium, potassium and sodium-potassium alloys can be successfully extinguished with Sodium Chloride based extinguishers.

And Lithium, zirconium, uranium, titanium, and powdered aluminum fires can be controlled and extinguished with unique Special extinguisher with extinguishing agent as Ternary Eutactic Chloride (TEC).

FEATURES

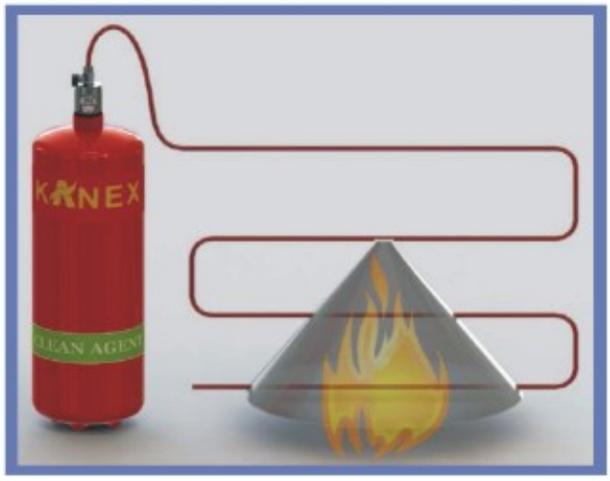
- ✓ The specially designed applicator is particularly suited for fighting Class D fires. The design is such a way that the operator can stand away from extreme heat and toxic fumes. Other features are non dispersing agent and easily controlled.
- ✓ EPDM Rubber braided Discharge hoses for long life.

Applicapability of TEC & SODIUM CHLORIDE POWDERS

SODIUM CHLORIDE	TEC POWDER
✓ Sodium Chloride works well for metal fires involving magnesium, sodium (spills and in depth) potassium alloys, uranium, powered Aluminum and etc.	✓ TEC works for all type of Metals including Lithium and its alloys too.
✓ For lithium and its alloys it cannot works	✓ The unique composition of ternary eutectic chloride of alkali metals gives fast & effective fire knock down capability, which cannot be matched by ordinary mixtures of chloride salts or phosphate base powders.

PERFORMANCE DATA

MODEL	KFDS 6	KFDS 9	KFDS 25	KFDS 50	KFDS 75
Type	Stored Pressure	Stored Pressure	Trolley Mounted	Trolley Mounted	Trolley Mounted
Capacity	6 kg	9 kg	25 kg	50 kg	75 kg
Design	Hose & Applicator	Hose & Applicator	Hose & Applicator	Hose & Applicator	Hose & Applicator
Height (Approx)	550 mm.	645 mm.	980 mm.	1020 mm.	1030 mm.
Diameter (Approx)	150 ±10 mm.	180 ±10 mm.	300 ±10 mm.	400 ±10 mm.	400 ±10 mm.
Duration (Approx)	25 sec.	30 sec.	45 sec.	75 sec.	90 sec.
Percentage of Discharge (%)	85%	85%	85%	85%	85%
Operating Temperature	-30 °C to +55 °C	-30 °C to +55 °C	-30 °C to +55 °C	-30 °C to +55 °C	-30 °C to +55 °C
Service Pressure (Ps)	15 bar	15 bar	15 bar	15 bar	15 bar
Max. Service Pressure (Pms)	17 bar	17 bar	17 bar	17 bar	17 bar
Test Pressure	35 bar	35 bar	35 bar	35 bar	35 bar
Expelling Agent	Nitrogen (UHP Grade)	Nitrogen (UHP Grade)	CO_2 gas	CO_2 gas	CO_2 gas
CO2 Gas Cartridge/Cylinders	NA	NA	1 kg	2 kg	2 kg
Standard Bracket & Trolley	Wall bracket (also available with Trolley)		Trolley Mounted		



KATS-FIRE SUPPRESSION SYSTEM

KATS - Fire Suppression System , fire is detected through Fire Detection Tube (FDT) assembly. KATS is very useful in confined spaces when human is unable to extinguish the fire & quick operation is required. As soon as the fire ignited, the FDT senses the fire & Actuate the valve & releases the Extinguishing Agent.

Class A | Class B | Class C | Electrical

FEATURES

- No external power source required.
- Easy to maintain, operational readiness, expansion flexibility.
- 100% effective & No possibilities of burn-back.
- 00% automatic & Full execution of system, so it doesn't required any human involvement.
- Quick response system & It also extinguishes fire very quickly.
- Very easy installation & Less maintenance required.
- The extinguishing agent is Neutral, Non-toxic & Biodegradable.
- Easily integrated with fire control system.
- No false alarms, it reacts only to suppress the Fire.

Ideal Use:

Industrial: Electrical Cabinet, Server rack, Laboratory, Wind turbine, Telecom unication, Generator room.

Facilities: Air-port, Data Centers, Oil & Gas, Pharmac euticals.

Vehicles: Passenger vehicle, Transit, School bus.

CLASSIFICATION

DIRECT SYSTEM

• The direct system utilizes KANEX's FDT as both fire sensing & suppression of fire by delivering the agent.

• The nearest surface of FDT bursts due to heating & it forms effective discharge nozzle.

• Due to which pressure drops in FDT & entire content of cylinder discharges.

• DLP System Available in 2, 4, 6 & 9 KG Capacities. (Subject to design parameters)

• DHP System Available in 2, 4.5, 6.5 & 9 KG Capacities. (Subject to design parameters)

INDIRECT SYSTEM

• The Indirect system utilizes KANEX's FDT as fire sensing ONLY. Suppression of fire is delivered via copper, SS or Braided pipe.

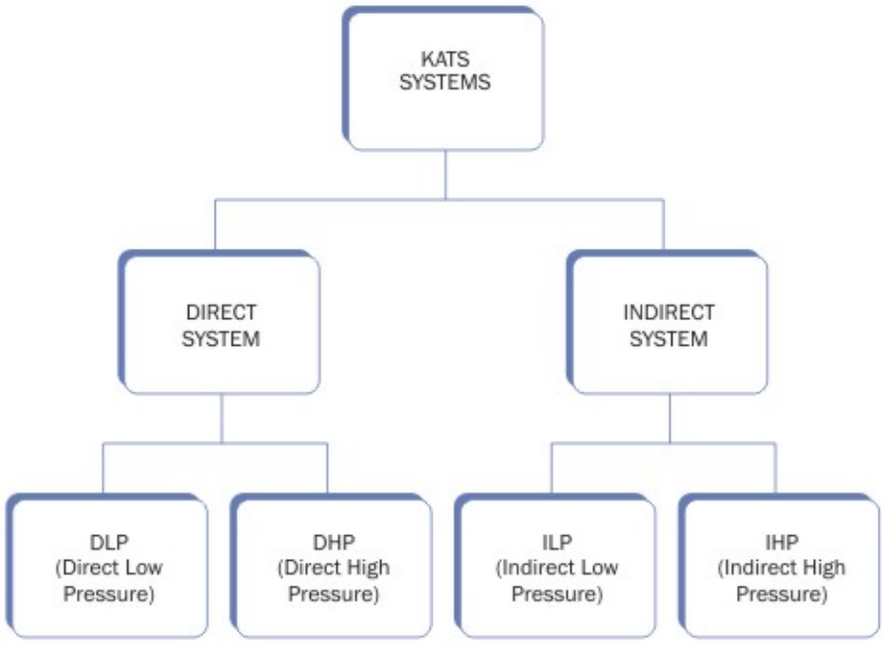
• The nearest surface of FDT bursts due to heating it actuates the valve & agent discharges through strategically placed nozzles within protected enclosure.

• Manual release is also provided as an activation purpose.

• ILP System Available in 2, 4, 6 & 9 KG Capacities. (Subject to design parameters)

• IHP System Available in 2, 4.5, 6.5 & 9 KG Capacities. (Subject to design parameters)

KATS-FIRE SUPPRESSION SYSTEM is available in below different combinations



ABC TYPE MODULAR

KANEX presents another modular type clean agent along with range of powder automatic fire extinguisher which keep guard and extinguishes fire quickly and efficiently especially in close places where fire could cause extensive damage if not detected and extinguished in time.

FEATURES

- ✓ An Automatic Detection and Suppression System together in a single unit quite unlike any other system available in the market
- ✓ Automatic round-the-clock protection
- ✓ Available in individual units or as a Complete system
- ✓ Automatic, hence no human involvement, reducing the chances of injury and accidents to virtually zero.
- ✓ Proves to be the most economical when compared and no surface relaying
- ✓ Reusable cylinder as it is not based on aerosol technology. Hence, most economical
- ✓ Non-Freezing & long lasting
- ✓ Provides securities in case of emergencies and power failure without power backup
- ✓ Rechargeable and easy to service
- ✓ Extinguishing agent is also available with Mono Ammonium Phosphate Powder

PERFORMANCE DATA

SIZES	Model No.	PROPELLENT	WORKING PRESSURE	TESTING PRESSURE	AREA PROTECTION	VOLUME PROTECTION	HANGING VERTICALLY ABOVE RISK	OPERATION TIME IN SECONDS	POWER
1	2	3	4	5	6	7	8	9	10
2kgs	KMP - 2	Nitrogen	7 to 15 kgs / cm^2	35 Kgs/cm^2	1 to 1.5m^2	3m^3	1.5m	6-8	ABC POWDER
5kgs	KMP - 5	Nitrogen	7 to 15 kgs / cm^2	35 Kgs/cm^2	2.5 to 3m^2	7m^3	1.5 to 2m	8-10	ABC POWDER
10kgs	KMP - 10	Nitrogen	7 to 15 kgs / cm^2	35 Kgs/cm^2	4 to 5m^2	12m^3	1.75 to 2.25m	10-15	ABC POWDER
15kgs	KMP - 15	Nitrogen	7 to 15 kgs / cm^2	35 Kgs/cm^2	5 to 6m^2	17m^3	2 to 3m	15-20	ABC POWDER

DuPont FE36 CLEAN AGENT MODULAR

KANEX presents modular type FE36 clean agent gas along with range of gaseous automatic fire extinguisher which keep guard and extinguishes fire quickly and efficiently especially in close places where fire could cause extensive damage if not detected and extinguished in time.

FEATURES

- ✓ Provides concentrated fire protection for vital equipment
- ✓ Highly cost effective compared to automatic fixed fire protection systems
- ✓ It is a portable unit, easy to install and re-locate
- ✓ Imported pressure gauge fitted for instant verification of functionality and reliability of every unit
- ✓ Automatic and reliable security round the clock
- ✓ Provides security in case of emergencies and power failure without power backup
- ✓ Rechargeable and easy to service
- ✓ Clean Agent Extinguish is also available with agent HCFC or HFC base - EPA and snap approved

DuPont FE 36 Clean Agent Approvals

FM Global · UL Underwriters Laboratories · US EPA SNAP

Comparative Advantages of FE - 36

- It does not contain d-limoene,which is flammable non volatile residue. Extingishing agents containing d-limoene may leave a coating of d-limoene. In FE-36 variation between atmospheric temperature and boiling point is less, hence it does not leaves any condensed moisture as in case of Co_2.
- FE 36 is not scheduled for phase out as HCFC like Halotron I, which contains Chlorine. The B.P of FE 36 is 1.40C, hence is discharged as gas, unlike Halotron I, which comes out as a liquid. The Extinguishing concentration of FE 36 is well above NOAEL and LOAEL values. NO CL2 BR2 . NO PHASEOUT : MONTREAL PROTOCOL

Properties of DuPont FE 36 Clean Agent Chemical Formula : 1,1,1,3,3,3 Hexa Fluoro Propane	
Molecular Weight	152
Boiling point	-1.4 °C
Freezing Point	-103 °C
Maximum Fill Density	1.20 gm/ml.
Specific gravity	1.34 gm/ml.
Scheduled Production Phase out per Montrol Protocol	None

Comparisons between Clean Agents			
Extinguishing Agent	HALON 1211	HALOTRON I	KANEX FE-36
Chemical Family	BCFC	HCFC	HFC 236 fa
Acute Toxicity: Cardiotox LOAEL (Lowest Observable Adverse Effects Level) A higher % is less toxic.	1%	2%	15%
Acute Toxicity: Cardiotox NOAEL (No Observable Adverse Effects Level) A higher % is less toxic.	0.50%	1%	10%
Extinguishing Concentration, Cup Burner, n-heptane	4-5%	6-7%	5.90%
Ozone Depletion Potential–ODP (CFC-11 = 1.0)	4	0.014	0
Global Warming Potential –GWP	N/A	Low	Moderate
Atmospheric Lifetime	Low	Low	Moderate

PERFORMANCE DATA

SIZES	MODEL	PROPELLENT	WORKING PRESSURE	TESTING PRESSURE	AREA PROTECTION	VOLUME PROTECTION	HANGING VERTICALLY ABOVE RISK	OPERATION TIME IN SECONDS	CLEAN AGENT
1	2	3	4	5	6	7	8	9	10
2kgs	KMC - 2	Nitrogen	7 to 15 kgs/cm²	35 kgs/cm²	1 to 1.5m²	2.5m³	1.5m	6-8	CLEAN GAS
5kgs	KMC - 5	Nitrogen	7 to 15 kgs/cm²	35 kgs/cm²	2 to 2.5m²	6m³	1.5 to 2m	8-10	CLEAN GAS
10kgs	KMC - 10	Nitrogen	7 to 15 kgs/cm²	35 kgs/cm²	4 to 5m²	10m³	1.75 to 2.25m	10-15	CLEAN GAS
15kgs	KMC - 15	Nitrogen	7 to 15 kgs/cm²	35 kgs/cm²	5 to 6m²	15m³	2 to 3m	15-20	CLEAN GAS

DCP TROLLEY MOUNTED

Highly mobile, these units permit a single operator quick access to extinguishing of fires that would normally require several operators with large hand portables.

MODEL (SBC)	KFD 25	KFD 50	KFD 75
MODEL (MAP)	**KFDA 25**	**KFDA 50**	**KFDA 75**
Capacity	25 kg	50 kg	75 kg.
Design	Hose & Nozzle		
Height (Approx.)	980 mm.	1020 mm.	1030 mm.
Diameter (Approx.)	300 ±10 mm.	400 ±10 mm.	400 ±10 mm.
Average Discharge time	25 -30 Sec.	40-50 Sec.	50-60 Sec.
Average Range of throw	6 m.	8 m.	10 m.
Minimum % Discharge	85%	85%	85%
Operating Temperature	-30 °C to +55 °C		
Service Pressure (Ps)/ Expansion Space	14 kg/cm2.		
Test Pressure	30 kg/cm2.		
Expelling Agent	CO2 Gas.		
CO2 Gas Cylinder	1 kg.	2 kg.	2 kg.
Full Weight (Approx.)	64 kg.	107 kg.	146 kg.
Empty Weight (Approx.)	39 kg.	57 kg.	73 kg.
Shipping Weight (Approx.)	65 kg.	110 kg.	148 kg.
Packing Standard	Jute Bags		
Approvals	BIS & CE		

MECHANICAL FOAM & WATER TYPE TROLLEY MOUNTED

Features a combination of mobility, 1-person operation & fire-killing power. KANEX Units utilize a regulator to maintain a consistent operating pressure and flow throughout the total extinguisher discharge.

MODEL	KFM 50	KFM 150	KFW 50	KFW 150
Capacity	50 Ltr.	150 Ltr.	50 Ltr.	150 Ltr.
Design	Hose & Air aspirated Nozzle		Hose & Nozzle	
Height (Approx.)	1285 mm.	1350 mm.	1285 mm.	1350 mm.
Diameter (Approx.)	300 ±10 mm.	480 ±10 mm.	300 ±10 mm.	480 ±10 mm.
Average Discharge time	40 -180 Sec.	40 -180 Sec.	40 -180 Sec.	40 -180 Sec.
Average Range of throw	10 m.	10 m.	10 m.	10 m.
Minimum % Discharge	90%	90%	90%	90%
Operating Temperature	+5 °C to +55 °C			
Expansion Space (Ps)	14 kg/cm2.			
Test Pressure	30 kg/cm2.			
Expelling Agent	CO2 Gas.			
CO2 Gas Cartridge/Cylinder	300 gm.	2 kg.	300 gm.	2 kg.
Full Weight (Approx.)	87 kg.	249 kg.	87 kg.	249 kg.
Empty Weight (Approx.)	37 kg.	99 kg.	37 kg.	99 kg.
Shipping Weight (Approx.)	89 kg.	251 kg.	89 kg.	251 kg.
Packing Standard	Jute Bags			
Approvals	BIS & CE	--	--	--

CO_2 TYPE TROLLEY MOUNTED

KANEX CO2 GAS extinguishers are characterized by their high performance for fires involving an electrical rick like computers, office equipment and generators etc. CO2 is non-conductive, clean and safe, ensuring minimal damage to electrical equipment and furnishings.

MODEL	KFC 6.5	KFC 9	KFC 22.5
Capacity	6.5 kg.	9 kg.	22.5 kg.
Design	Hose & Horn	Hose & Horn	Hose & Horn
Height (Approx.)	960 mm.	1250 mm.	1155 mm.
Diameter (Approx.)	140 ±10 mm.	140 ±10 mm.	232 ±10 mm.
Average Discharge time	10 -20 Sec.	15 -36 Sec.	20 -60 Sec.
Average Range of throw	10 m.	10 m.	10 m.
Minimum % Discharge	95%	95%	95%
Operating Temperature	-30 °C to +55 °C		
Service Pressure (Ps)	60 bar.		
Test Pressure	250 bar.		
Full Weight (Approx.)	21 or 23 kg.	29 or 32 kg.	66 or 69 kg.
Empty Weight (Approx.)	14.5 or 16.5 kg.	20 or 23 kg.	43.5 or 46.5 kg.
Shipping Weight (Approx.)	22 or 24 kg.	30 or 33 kg.	67 or 70 kg.
Packing Standard	Jute Bags		
Approvals	BIS & CE		


KANEX
MOBILE CAFS
KCAFS 50
KANADIA FYR FYTER PVT. LTD.
KANEX
PORTABLE CAFS
KCAFS 10
KANADIA FYR FYTER PVT. LTD.
KANEX

COMPRESSED AIR FOAM SYSTEM (KANEX CAFS)

CAFS technology CAFS Compressed Air Foam Systems are self contained stored-energy fire suppression units which have the added ability to inject compressed air into the foam solution to generate a powerful fire attacking and suppression foam. This type of foam has tighter and denser bubble structure than pure water or standard foam solutions. This bubble structure allows the foam to adhere to vertical and horizontal surfaces as well as penetrate fires deeper before the bubbles are broken down, allowing the latent water to be more effective.

Class A | Class B | Electrical (Electrical Resistant Nozzle Tip On Request)

FEATURES

- Easy to operate and highly effective.
- Complete Automisation Takes place inside the Valve Head.
- Low maintenance and high reliability.
- For Ordinary and professional users.
- Large area coverage.
- Wet & Dry Foam technology for long range & more denser foam structure.

Effectiveness : CAFS truly attacks all sides of the fire tetrahedron by smothering the fire with a "foam blanket", thus preventing oxygen from combining with fuel. It diminishes the heat by insulating, using the trapped air within the bubble structure and the bubbles actually reflect radiant heat, thus preventing excess heat from adding to the fire. This prevents additional fuel from reacting with the fire by providing a barrier. Finally, CAFS has been shown to disrupt the chemical reaction required for fire to continue. CAFS is 15 to 30 times more effective than water alone.

Ideal Use:

Hospitals , Industries , Power plant , Offshore & Marine etc.

Fire Rating

MODEL	Factory Tested EN3 Rating
KCAFS-10	43A : 233B
KCAFS-50	55 A: 233B

Models:

- 10 litre Portable Fire Extinguisher
- 10 litre Portable Fire Extinguisher with Back Pack (BP)
- 50 litre Trolley Mounted

TECHNICAL SPECIFICATION

MODEL NO.	KCAFS-10	KCAFS-50
Capacity	10 Ltr.	50 Ltr.
Operating Pressure	Approx , 8 Bar	Approx , 8 Bar
Temperature	0° C – 60° C	0° C – 60° C
Flow Rate	11 Ltr/Min (Wet) / 5.4 Ltr/Min (Dry)	18 Ltr/Min (Wet) / 7.1 Ltr/Min (Dry)
Operating Time (Wet)	55 Sec (Wet) / 115 Sec (Dry)	168 Sec (Wet) / 420 Sec (Dry)
Electrical Devices	EN 3 : to 1000volt/3m Distance with special Nozzle	EN 3 : to 1000volt/3m Distance with special Nozzle
Work Range	12 M (Wet) / 8 M (Dry)	13 M (Wet) / 8 M (Dry)
SIze	625 x 300 x 220 mm (H x B x T)	1130 x 570 x 480 mm (H x B x T)
Weight (Approx)	12.5 KG /empty ,22.5 KG Filled	45 KG /empty ,95 KG Filled
Fire Rating Performance	43A : 233B*	55A : 233B*
Length of Hose	2 M	10 M
Propellant	2l/300 bar Compressed Air (200 BAR ON REQUEST)	6l/300 bar Compressed Air (200 BAR ON REQUEST)
Extinguishing Agent	Foam Agent (AFFF UL Listed)	Foam Agent (AFFF UL Listed)

* Factory Tested

WHEELED EXTINGUISHER TYPE TWIN AGENT 50 + 50

with external Nitrogen Cartridge

DESCRIPTION

The trolley fire extinguisher with double extinguishing, also called as Twin agents, are constituted from an only trolley on the strong rubber wheels mounted spheres, and from two tanks charged with powder ABC/SBC (on request) / PBC (on request) and with foam A.F.F.F concentrate.

The combined action renders them unsurpassable in the fight against the fire. On great fires of inflammable liquids the foam action creates a sealing effect that pulls down flames, and in case the extinction has not been obtained, the powder easily extinguishes the residual flames.

The foam action pulls down flames and reduces the heat drastically, allowing an approach and successive use of the powder

TROLLEY FRAME

- ✓ The trolley is made of steel tube with rubber wheel of 300 mm diameter.
- ✓ The cylinder are independent from frame trolley giving advantages for better safety avoiding welding on its body.

EXTINGUISHER UNIT

- ✓ Both foam & powder cylinder are made of mild steel tested at 35 kg/cm2.
- ✓ A larger diameter threaded ring nut is welded on top of the cylinder for easy charging and internal inspection during periodic testing.
- ✓ Ring nut is screwed to forged brass cap with built-in safety valve with calibrated spring made of stainless steel so as to guarantee calibration in time and to withstand worst atmospheric condition.

CYLINDER PROPELLENT

- ✓ 6.8 ltr nitrogen EKC cylinder complete with handwheel valve for quick pressurization of foam and powder cylinder fixed to rear part of trolley tested at 250 bar charged at 200 bar.
- ✓ Before painting body is cleaned with deep sand blasting assuring a raw surface for perfect and strong grasp of enamel paint, resistant to scratches and knocks as well to corrosive weather conditions.

PRESSURE REGULATOR

- ✓ The discharge of nitrogen for the pressurization is controlled by intermediate pressure reducer calibrated at 12 bar-14 bar so as to obtain uniform discharge at constant pressure.
- ✓ Two on/off valves placed between the reducer for the cylinders to allow independent pressurization. The cylinders are pressurized for 15 secs after which the spray nozzles can be active for discharging foam & powder.

DISCHARGE APPARATUS

- ✓ Supply with two hoses of 5 mt length, made in rubber with reinforced textile braided wire; at the end there is a unique rotating ball-valve and a forming foam air aspirating allow nozzle for controlling the discharge.

EXTINGUISHING AGENT

✓ Powder

Dry chemical powder ABC . The basic components of dry ABC powder are ammonium phosphate and ammonium sulphate with special silicones additives enabling easy flow discharge and avoiding any caking process. Dry powder is not corrosive, not abrasive, non toxic for humans and animals.

On request can be supplied with monex or special BC or with 90% MAP

✓ Foam

KV fire Foam concentrate is the most powerful product. It is simply water with an addictive AFFF based specially formulated compound for best sealing effect.

TORQUE FORCE

The valve is screwed down on the nitrogen cylinder with a torque force between 13.2 e 15.2 kgm.

The cap is screwed down on the powder/foam cylinder with a torque force between 1.5 e 1.6 kgm.

The torque force for the hose and the pipe is between 1.5 e 1.6 kgm.

The torque force for the safety device is between 1.5 e 1.6

MAINTENANCE

To keep fire extinguisher in perfect working condition, we recommend its maintenance according to IS:2190 standard.

PERIODIC INSPECTIONS, SERVICING AND TESTS

Maintenance must be done every 6 month, while the replacement of the fire extinguishant must be done every 18 month (for the foam) and 36 month (for the powder).

NITROGEN FILLING STATION FOR STORED PRESSURE FIRE EXTINGUISHERS

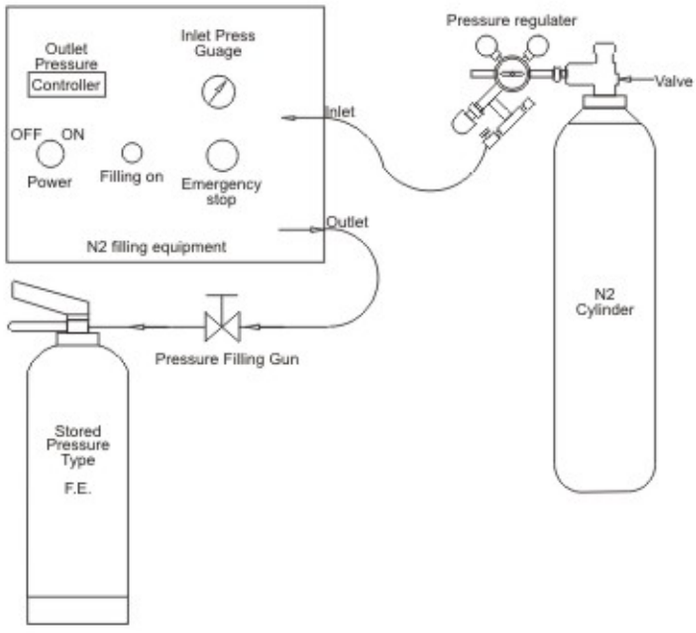
KANEX Introduced Nitrogen filling unit to pressurize stored pressure fire extinguisher.

KANEX Nitrogen filling unit connected to the pressure regulator of the nitrogen cylinder via supply hose. The inlet pressure indicates supply pressure of equipment.

The fire extinguisher connected via high pressure hose with nitrogen filling unit , N2 gas filling get start with switch on push button (filling on).The filling process can be controlled by digital pressure controller. After complete filling process once pressure reaches the set pressure (i.e 15 bar),Nitrogen gas supply get automatic cut off.

FEATURES

- Portable equipment, easy to relocate
- Useful for onsite & offsite services
- Easy operation with auto stop filling function
- Precise filling with digital pressure signal & pressure transducer
- Safe operation with safety release system



PORTABLE POWDER FILLING EQUIPMENT

The machine is used for filling dry chemical powder (DCP) into fire extinguishers as well as for transferring DCP from fire extinguishers to storage containers without spillage or emissions of the powder to the surroundings.

FEATURES

Selling Powder Filling Unit: KANEX PF

SPS-controlled powder emptying and filling unit for the exact filling of portable extinguishers of all makes and sizes. Filling takes place out of a bag or a fire extinguisher as well as out of storage tank (e.g. 250 kg – accessory). The extinguisher is filled directly through the powder filling unit in continuous operation on setting requested weight.

The KANEX PF is equipped with an electronic scale which switches off on reaching the preset filling weight. The scale can be programmed with filling weights which can be activated according to weight required.

The weights are indicated on operating pane. The filling of movable extinguishers is to be carried out with the help of special filling adaptor.

The unit is equipped with:

High – quality, self cleaning filters

Programmable digital scale, 10 g resolution for automatic cut-off on reaching the filling weight.

Powder tank for interstorage of extinguishing powder up to 30 Kg.

Lockable ball valves

An advantage is the diagonally positioned, removable sieve, which retains lumps and contamination

Window for powder control

Powder suction hose 32mm, length 2 m with couplings

Connection for fluidization to aerate the powder inside the storage silo

Sound absorber for sound isolation

Powerful, low maintenance vacuum pump

KANEX®

Designed, Manufactured & Marketed by:

KANADIA FYR FYTER PVT. LTD.

An ISO 9001:2008 Certified Company

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