



D CLASS METAL FIRE EXTINGUISHERS

Kanex make Class D Fire Extinguishers 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.

Applicability 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, powdered Aluminum and etc.	✓ For lithium and its alloys it cannot works	✓ TEC works for all type of Metals including Lithium and its alloys too.	✓ 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
CO ₂ Gas Cartridge/Cylinders	NA	NA	1 kg	2 kg	2 kg
Standard Bracket & Trolley	Wall bracket (also available with Trolley)		Trolley Mounted		