



FIRECHEM

PRODUCT CATALOGUE

Dry Powder Extinguishers

STORED PRESSURE



Firechem ABC or Multi-Purpose Extinguisher utilize a specially fluidized and siliconized mono ammonium phosphate dry chemical. It chemically insulates Class A fires by melting at approximately 350F and coats surface to which it applied. It smothers and breaks the chain reaction of Class B & C fires and will not conduct electricity back to the operator



Firechem Deep drawn container made of high tensile cold rolled sheet.

Minimum welding points to give attractive appearance.



Firechem extinguisher pressurized to 15 bar and 100% leakage tested.

The epoxy powder coating of 50 to 90 micron thickness provides inner & outer surface of the body.



The easy squeeze grip type control valve provides for quick activation of the extinguisher.

Firechem easy operation, maintenance, refilling and service.

FEATURES

Non Corrosive Pull Pin

Multipurpose agent contains 90% M.A.P.

Chrome plated brass valves

**Large top stainless steel pullpins with tether
Steel cylinder and internal siphon tubes**

ABC TYPE - PORTABLE
Capacity 1, 2, 4, 6, 9 kgs

MODEL	FC-ABC-1	FC-ABC-2	FC-ABC-4	FC-ABC-6	FC-ABC-9
Capacity (Kg)	1 Applied	2 ISI	4 ISI	6 ISI	9 Applied
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Confirming IS Code	15683	15683	15683	15683	15683
Type of Extinguisher	Constant Pressure	Constant Pressure	Constant Pressure	Constant Pressure/Gas Cartridge	Constant Pressure/Gas Cartridge
Type of Extinguishing Media	Dry Powder IS 14609/IS 4308	Dry Powder IS 14609/IS 4308	Dry Powder IS 14609/IS 4308	Dry Powder IS 14609/IS 4308	Dry Powder IS 14609/IS 4308
Expelant	Pressurized with N2 Gas	Pressurized with N2 Gas	Pressurized with N2 Gas	Pressurized with N2 Gas	Pressurized with N2 Gas
Minimum Effective Discharge(%)	85	85	85	85	85
(Minimum Jet Length (mtrs.)	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.
Discharge Time (Sec.)	More than 8 Sec.	More than 13 Sec.	More than 13 Sec.	More than 13 Sec.	More than 13 Sec.
Hydraulic Test Pressure(kgf/cm ₂)	35	35	35	35	35
Operating Position	Upright	Upright	Upright	Upright	Upright
Charged Pressure(kgf/cm ₂)	15	15	15	15	15
Operating Temperature Range (C)	(-30 to (+) 55	(-30 to (+) 55	(-30 to (+) 55	(-30 to (+) 55	(-30 to (+) 55
Operating Value	Squeeze Grip Type with Nozzle	Squeeze Grip Type with Nozzle	Squeeze Grip Type DischargeHose & Nozzle	Squeeze Grip Type DischargeHose & Nozzle	Squeeze Grip Type DischargeHose & Nozzle
Fire Raiting	1A, 88 C	1A, 13B	2A, 34B	4A, 55	4A, 55B, C



Wood, Paper,
Fabric, etc



Oil, Kerosene,
Petrol, etc



Flammable
Gases



Electrically
started

Firechem Co2 Extinguisher units provide the power to respond quickly and effectively by design to protect against Class B (flammable liquids and gases) and Class C (energized electrical equipment) fires. These extinguishers are well suited for indoor use in furnace rooms, printing presses, pump rooms, electrical power panels, and laboratories where winds are drafts do not affect discharge.

- ◆ Simple Operation and maintenance.
- ◆ The ring pin and visual seal help prevent unwanted discharge of the extinguisher.
- ◆ The discharge valve wheel type provides for good performance of the extinguisher.
- ◆ The epoxy powder coating of 50 to 90 micron thickness provides inner & outer surface of the body.
- ◆ Easy refilling and a compact design.



TYPE - PORTABLE
Capacity 2, 3, 4.5 kgs

Carbon Dioxide Extinguishers



Model No.	FC - Co-2	FC - Co-3	FC - Co-4.5
Capacity (Kg)	2 Kg ISI Applied For	3 Kg ISI	4.5 Kg ISI
Extinguishing Agent	Liquefied Gas (CO2)	Liquefied Gas (CO2)	Liquefied Gas (CO2)
Gas Filling Ratio	0.667% per kg	0.667% per kg	0.667% per kg
Fire Rating	13B	13B	21B
Discharge Time (Sec.)	8-15 Sec.	8-16 Sec.	9-16 Sec.
Discharge Horn	Polythylene	Polythylene	Polythylene
Hose Length (mtr.)	N.A.	N.A.	N.A.
Working Pressure	N.A.	N.A.	150 kgf/cm ²
Operating Temperature	-30° C to 55° C	-30° C to 55° C	-30° C to 55° C
Dimension (OD) mm	110mm	110mm	110mm
Hydraulic Pressure Test	250kgf/cm ²	250kgf/cm ²	250kgf/cm ²



Oil, Kerosene,
Petrol, etc



Flammable
Gases



Electrically
started

Powder Extinguishers

CARTRIDGE TYPE



Wood, Paper,
Fabric, etc



Oil, Kerosene,
Petrol, etc



Flammable
Gases



Electrically
started

IS: 15683



TYPE - PORTABLE
Capacity 1, 2, 4, 6, 9 kgs

BC POWDER

MODEL	FC-BC-1	FC-BC-2
Capacity (Kg)	1 Applied	2 ISI
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Confirming IS Code	15683	15683
Type of Extinguisher	Constant Pressure	Constant Pressure
Type of Extinguishing Media	Dry Powder IS 4308	Dry Powder IS 4308
Expelant	Pressurized with N2 Gas	Pressurized with N2 Gas
Minimum Effective Discharge(%)	85	85
(Minimum Jet Length (mtrs.)	More than 2 mtr.	More than 2 mtr.
Discharge Time (Sec.)	More than 8 Sec.	More than 13 Sec.
Hydraulic Test Pressure(kgf/cm ₂)	35	35
Operating Position	Upright	Upright
Charged Pressure(kgf/cm ₂)	15	15
Operating Temperature Range (C)	(-30 to +) 55	(-30 to +) 55
Operating Value	Squeeze Grip Type with Nozzle	Squeeze Grip Type with Nozzle
Free Raiting	1A, 88 C	1A, 13B

ABC POWDER

FC-ABC-4	FC-ABC-6	FC-ABC-9
4 ISI	6 ISI	9 Applied
Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
15683	15683	15683
Constant Pressure	Constant Pressure/Gas Cartridge	Constant Pressure/Gas Cartridge
Dry Powder IS 14609	Dry Powder IS 14609	Dry Powder IS 14609
Pressurized with N2 Gas	Pressurized with N2 Gas	Pressurized with N2 Gas
85	85	85
More than 2 mtr.	More than 2 mtr.	More than 2 mtr.
More than 13 Sec.	More than 13 Sec.	More than 13 Sec.
35	35	35
Upright	Upright	Upright
15	15	15
(-30 to +) 55	(-30 to +) 55	(-30 to +) 55
Squeeze Grip Type DischargeHose & Nozzle	Squeeze Grip Type DischargeHose & Nozzle	Squeeze Grip Type DischargeHose & Nozzle
2A, 34B	4A, 55	4A, 55B, C

Clean Agent is the most powerful, Eco Friendly Fire Extinguisher. This ABC fire extinguisher is suitable for fires of paper, wood, cloth, and flammable liquids (Pertrol, Kerosene, Paints). Gases (LPG, Acetylene) & Electricity Started. You can fight with any type of fire.

Area of Application

- ◆ Computer/Server Rooms
- ◆ Telecommunications Facilities
- ◆ Data Storage Areas
- ◆ Offices (for protection of sensitive electronic equipments)
- ◆ Boats & Vehicles
- ◆ Irreplaceable Document and Art Storage Rooms
- ◆ Laboratories
- ◆ Museums
- ◆ Aircrafts
- ◆ Bank ATM Centers



FEATURES

- Zero Ozone Depletion Potential (ODP)
- Low Global Warming Potential (GWP) Environmentally Safe
- Electrically Non-Conductive
- Colorless and Odorless
- Rapidly Evaporating Liquid (leaves no residue)
- Cost Effective Extinguishing Agent
- User Friendly (low in toxicity)
- Good Visibility during discharge (does not impair operator's vision)



Clean Agent Extinguishers

PORTABLE -TYPE

Model No.	FC - 142	FC - 144	FC - 146
Capacity (Kg)	2	4	6 Axp.
N2 Gas Pressure (kgf/cm ²)	18	18	18
Working Pressure at 27±2C	15	15	15
Testing Pressure (kgf/cm ²)	35	35	35
Duration of Discharge(Sec.)	More than 13	More than 13	More than 13
Operating Value	Squeeze Grip Type with nozzle	Squeeze Grip Type with Discharge Hose and nozzle	Squeeze Grip Type with Discharge Hose and nozzle
Temp Range	-20 + 55°C	-20 + 55°C	-20 + 55°C
Extinguishing Media	HFC(236) UL Listed	HFC(236) UL Listed	HFC(236) UL Listed



Wood, Paper,
Fabric, etc



Oil, Kerosene,
Petrol, etc



Flammable
Gases



Electrically
started

Water/foam Extinguishers

GAS CARTRIDGE TYPE



Wood, Paper,
Fabric, etc



Flammable
Gases

WATER

MODEL	FC-1	FC-2
Capacity (Kg)	6	9
Anti-Corrosive Inhibitor	Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
Confirming IS Code	15683	15683
Type of Extinguisher	Constant Pressure	Constant Pressure
Type of Extinguishing Media	Soft Water	Soft Water
Expeliant	Pressurized with N2 Gas	Pressurized with N2 Gas
	60 Gsm Gas Cartridge	90 Gsm/120 Gas Cartridge
Minimum Effective Discharge(%)	95	95
(Minimum Jet Length (mtrs.)	More than 2 mtr.	More than 2 mtr.
Discharge Time (Sec.)	More than 13 Sec.	More than 13 Sec.
Hydraulic Test Pressure(kgf/cm ₂)	35	35
Operating Position	Upright	Upright
Charged Pressure(kgf/cm ₂)	15	15
Operating Temperature Range (C)	(-30 to (+) 55	(-30 to (+) 55
Operating Value	Squeeze Grip Type with Nozzle	Squeeze Grip Type with Nozzle
Free Raiting	2A	3A

FOAM

FC-6	Fc9
6	9
Epoxy Polyester Powder Coating	Epoxy Polyester Powder Coating
15683	15683
Constant Pressure/Gas Cartridge	Constant Pressure/Gas Cartridge
Water & AFFF IS4989	Water & AFFF Is4989
Pressurized with N2 Gas	Pressurized with N2 Gas
60 Gsm Gas Cartridge	90 Gsm/120 Gas Cartridge
95	95
More than 2 mtr.	More than 2 mtr.
More than 13 Sec.	More than13 Sec.
35	35
Upright	Upright
15	15
(-30 to (+) 55	(-30 to (+) 55
Squeeze Grip Type	Squeeze Grip Type
DischargeHose & Nozzle	DischargeHose & Nozzle
2A 21B	3A 55B

Application

- ◆ Class A Fire: Wood, Textiles, Paper, Clothes, Cotton Mill, Jute Mill etc.
- ◆ Class B Fire: Petroleum, Oil, Paint, Varnish, Solvent, Flammable and Volatile Liquids etc.
- ◆ Class C Fire : Flammable Glasses, Industrial Gasses etc.
- ◆ As well as Electrical Fires.

Ceiling Mounted Modular



Technical Specification

Capacity(kg)	2/4/5/6/10& 15
Extinguishing Media	ABC Ory Powder / Clean Agent / BC Powder
Minimum Effective Discharge	95%
Testing Pressure (kgf/cm ²)	35
Testing Pressure (kgf/cm ²)	15
Mounting	Ceiling Mounting Type
Operating Temperature	Automatically at 57 /68/93/ 107 & 143 Deg. c
Available in	MAP 50 I MAP 90
Effective against	A,B,C, & Electrically Started Fires.



Wood, Paper, Fabric, etc



Oil, Kerosene, Petrol, etc



Flammable Gases



Electrically started



ISO
9001



CE
1021

**AUTOMATIC FIRE EXTINGUISHER
(CLEAN/ABC/ BC TYPE)**

Cooking appliances today allow for the potentially dangerous mixture of flammable oils and greases with high efficiency heat sources, creating an environment in which fire is always a threat. A Firechem kitchen extinguisher can protect all those diverse hazard areas and perform all the necessary auxiliary functions.

Wet Chemical- With the introduction of Class K in the late twentieth century for cooking media fires, wet chemical extinguishing agents have become important in both portable fire extinguishers and fire suppression systems. Tests have shown that the previous school of thought on fire protection with a Class B:C extinguisher has failed with the introduction of vegetable oils. Previously, the primary grease used was animal fat based. Test showed that the dry chemicals would sink in the vegetable oils and the fire had a high potential to re-flash. These water based solutions produce a chemical reaction when applied to vegetable oils, creating a thick foam-like blanket that smothers the fire on top of the oil and prevents re-flash.

AREA OF APPLICATION

- Hotel
- Open Kitchen Restaurants
- Food Courts
- Commercial Kitchen
- Residential Kitchen
- Canteen

FEATURES

- Easy to install
- Efficient Service
- Extremely Fast cooling
- Advanced agent technology

APPROVALS

Confirming to NFPA 18

Meets the requirements of UL standard 8 and UL 711
Meets the new class K (Combustible cooking media)
requirements of NFPA 10



Kitchen Fire Extinguisher

Capacity 1, 2, 4, 6 kgs

FIRE SAFETY DEVICES PVT. LTD

**B-4, LEVEL-II, RAMA COMMERCIAL COMPLEX,
SECTOR-20-B, NEAR AJRONDA MODH,
FARIDABAD, HARYANA 121007**