



FIRECHEM

PRODUCTCATALOGUE

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 be 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 |
| Expeliant | 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.) | Mor than 8 Sec. | Mor than13 Sec. | Mor than13 Sec. | Mor than13 Sec. | Mor than13 Sec. |
| Hydraulic Test Pressure(kgf/cm,) | 35 | 35 | 35 | 35 | 35 |
| Operating Position | Upright | Upright | Upright | Upright | Upright |
| Charged Pressure(kgf/cm,) | 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 or 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.

Carbon Dioxide Extinguishers



TYPE - PORTABLE
Capacity 2, 3, 4.5 kgs



| Model No. | FC - Co-2 | FC - Co-3 | FC - Co-4.5 |
|-------------------------|------------------------|------------------------|-------------------------|
| Capacity (Kg) | 2 Kg IS 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

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

IS: 15683



CML-2651152

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 |
| Expellant | 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.) | Mor than 8 Sec. | Mor than13 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. |
| Mor than13 Sec. | Mor than13 Sec. | Mor than13 Sec. |
| 35 | 35 | 35 |
| Upright | Upright | Upright |
| 15 | 15 | 15 |
| (-30 to (+) 55 | (-30 to (+) 55 | (-30 to (+) 55 |
| Squeeze Grip Type | Squeeze Grip Type | Squeeze Grip Type |
| DischargeHose & Nozzle | DischargeHose & Nozzle | 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 (Petrol, 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.) | Mor than 13 Sec. | Mor than13 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. |
| Mor than13 Sec. | Mor 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 Gases, Industrial Gasses etc.
- ◆ As well as Electrical Fires.

Technical Specification

| | |
|---|--|
| Capacity(kg) | 2/4/5/6/10& 15 |
| Extinguishing Media | ABC Dry 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 Available in | Automatically at 57 /68/93/ 107 & 143 Deg. c |
| | MAP 50 I MAP 90 |
| Effective against | A,B,C, & Electrically Started Fires. |

Ceiling Mounted Modular



Wood, Paper, Fabric, etc



Oil, Kerosene, Petrol, etc



Flammable Gases



Electrically started



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 Freeze fire 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.

Kitchen Fire Extinguisher

Capacity 1, 2, 4, 6 kgs



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

FIRE SAFETY DEVICES PVT. LTD

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