

20
SINCE 2004
SAFETY FIRST



GROUP OF COMPANIES

- **HINDUSTAN FIRE PROTECTION PVT. LTD.**
- **HFP FIRE PROJECTS PVT. LTD**
- **HFP FIRE SYSTEMS PVT. LTD**
- **FIRELITE INDUSTRIES PVT. LTD**
- **PRIMEBUILD REALTORS PVT. LTD.**
- **EXCELLINK INFRASERVICES PVT. LTD.**
- **EXCELLINK FINSERVICES PVT. LTD.**
- **IGNEOUS FIRE PROTECTION**
- **SAI FIRE PROTECTION**

Reg. Off.: 1405/06/07 Road No. 16/Z,
Konar Business Park Ambika Nagar,
Wagle Estate, Thane West, - 400604

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POWDER EXTINGUISHERS ABC STORED PRESSURE TYPE



| ITEM CODE | FL001 | FL002 | FL003 | FL004 | FL005 |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|
| 1 Capacity | 1 kg | 2 kg | 4 kg | 6 kg | 9 kg |
| 2 Fire Rating (Map) | 1A:21B | 1A:21B | 2A:89B | 3A:144B | 4A:183B |
| 3 Height (Approx.) | 325 mm | 380 mm | 490 mm | 530 mm | 575 mm |
| 4 Diameter (Approx.) | 86±10 mm | 106±10 mm | 140±10 mm | 150±10 mm | 180±10mm |
| 5 Average Discharge Time | 9 Sec | 14 sec | 18 sec | 24 sec | 31 sec |
| 6 Average Range of Throw | 2 m | 2.5 m | 3 m | 5 m | 6 m |
| 7 Average% Discharge | 92% | 92% | 94% | 93% | 93% |
| 8 Operating Temperature | -30°C to +60°C | -30°C to +60°C | -30°C to +60°C | -30°C to +60°C | -30°C to +60°C |
| 9 Max. Service Pressure (Pms) | 17 bar. | 17 bar. | 17 bar. | 17 bar. | 17 bar. |
| 10 Test Pressure | 35 bar. | 35 bar. | 35 bar. | 35 bar. | 35 bar. |
| 11 Expelling Agent | Nitrogen | Nitrogen | Nitrogen | Nitrogen | Nitrogen |
| 12 Shipping Weight (Approx.) | 2.1 kg | 3.6 kg | 7.0 kg | 9.2 kg | 13.6 kg |
| 13 Approvals | BIS & CE | BIS & CE | BIS & CE | BIS & CE | BIS & CE |

POWDER EXTINGUISHERS ABC MODULAR AUTOMATIC TYPE



| ITEM CODE | FL006 | FL007 | FL008 | FL009 |
|-----------------------------|-------------------------|-------------------------|-----------------------|-----------------------|
| 1 Capacity | 2 kg | 5 kg | 10 kg | 15 kg |
| 2 Propellant | Nitrogen | Nitrogen | Nitrogen | Nitrogen |
| 3 Area Protection | 1 to 1.5 m ² | 2 to 2.5 m ² | 4 to 5 m ² | 5 to 6 m ² |
| 4 Volume Protection | 3m ³ | 7m ³ | 12m ³ | 17m ³ |
| 5 Vertical Hanging Height | 1.5m | 1.5m to 2m | 1.75m to 2.25m | 2 to 3 m |
| 6 Operation Time in Seconds | 6-8 | 8-10 | 10-15 | 15-20 |



MANUFACTURER

Firelite Range Fire Extinguishers are manufactured in our India purpose built factory in the heart of the Maharashtra.



COLOUR CODING

Our Firelite Range Fire Extinguishers are manufactured with a unique colour coding system, helping you to quickly identify the type of extinguisher.



CO BRANDING

Utilising our digital print and graphic suite we can take your company logo and brand and create bespoke extinguisher headed labels for your organisation.



1 YEAR WARRANTY

All of our Firelite Range Fire Extinguishers come with a 1 year warranty and backed up with comprehensive technical support.

POWDER EXTINGUISHERS DCP BC CARTRIDGE TYPE



| ITEM CODE | FL010 | FL011 | FL012 |
|-------------------------------|----------------|----------------|----------------|
| 1 Capacity | 4 kg | 6 kg | 9 kg |
| 2 Fire Rating (Map) | 55B | 89B | 144B |
| 3 Height (Approx.) | 510 mm | 540 mm | 585 mm |
| 4 Diameter (Approx.) | 140±10 mm | 150±10 mm | 180±10 mm |
| 5 Average Discharge Time | 15 Sec | 20 Sec | 30 Sec |
| 6 Average Range of Throw | 4 m | 4.5 m | 5 m |
| 7 Average% Discharge | -30°C to +60°C | -30°C to +60°C | -30°C to +60°C |
| 8 Operating Temperature | 16 bar | 16 bar | 16 bar |
| 9 Max. Service Pressure (Pms) | 35 bar | 35 bar | 35 bar |
| 10 Test Pressure | CO2 Gas | CO2 Gas | CO2 Gas |
| 11 Expelling Agent | 120 gm | 120 gm | 200 gm |
| 12 Shipping Weight (Approx.) | 7.5 kg | 10.5 kg | 15.7 kg |
| 13 Approvals | BIS & CE | BIS & CE | BIS & CE |

POWDER EXTINGUISHERS D CLASS METAL TYPE



| ITEM CODE | FL013 | FL014 | FL015 | FL016 | FL017 | FL018 |
|-------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1 Type | Stored Pressure | Stored Pressure | Stored Pressure | Trolley Mounted | Trolley Mounted | Trolley Mounted |
| 2 Capacity | 4 kg | 6 kg | 9 kg | 25 kg | 50 kg | 75 kg |
| 3 Height (Approx.) | 490 mm | 550 mm | 645 mm | 980 mm | 1020 mm | 1030 mm |
| 4 Diameter (Approx.) | 140±10mm | 150±10 mm | 180±10 mm | 300±10 mm | 400±10 mm | 400±10mm |
| 5 Duration (Approx.) | 18 sec | 25 Sec | 30 sec | 45 sec | 75 sec | 90 sec |
| 6 Percentage of Discharge (%) | 85% | 85% | 85% | 85% | 85% | 85% |
| 7 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 | -30°C to +55°C |
| 8 Max. Service Pressure (Pms) | 17 bar. | 17 bar. | 17 bar. | 17 bar. | 17 bar. | 17 bar. |
| 9 Test Pressure | 35 bar. | 35 bar. | 35 bar. | 35 bar. | 35 bar. | 35 bar. |
| 10 Expelling Agent | Nitrogen | Nitrogen | Nitrogen | Nitrogen | Nitrogen | Nitrogen |
| 11 CO2 Gas Cartridges | N/A | N/A | N/A | 500gm/1kg | 2kg | 2kg |



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Co2 TYPE FIRE EXTINGUISHER



| ITEM CODE | FL019 | FL020 | FL021 |
|-------------------------------|----------------|-----------------|-----------------|
| 1 Capacity | 2 kg | 3 kg | 4.5 kg |
| 2 Fire Rating (Map) | 21B | 34B | 55B |
| 3 Height (Approx.) | 580 mm | 545 mm | 700 mm |
| 4 Diameter (Approx.) | 108±10 mm | 140±10 mm | 140±10 mm |
| 5 Average Discharge Time | 9 Sec | 11 Sec | 12 Sec |
| 6 Average Range of Throw | 2.5 m | 2.5 m | 2.5 m |
| 7 Average% Discharge | 96% | 97% | 96% |
| 8 Operating Temperature | -30°C to +60°C | -30°C to +60°C | -30°C to +60°C |
| 9 Max. Service Pressure (Pms) | 106 bar | 110 bar | 105 bar |
| 10 Test Pressure | 250 bar | 250 bar | 250 bar |
| 11 Shipping Weight (Approx.) | 9 or 8.3 kg | 12.8 or 11.7 kg | 17.4 or 16.8 kg |
| 12 Approvals | BIS & CE | BIS & CE | BIS & CE |

Co2 TYPE FIRE EXTINGUISHER



| ITEM CODE | FL022 | FL023 | FL024 |
|-----------------------------|-----------------|----------------|-----------------|
| 1 Capacity | 6.5 kg | 9 kg | 22.5 kg |
| 2 Design | Hose & Horn | Hose & Horn | Hose & Horn |
| 3 Height (Approx.) | 960 mm | 1250 mm | 1155 mm |
| 4 Diameter (Approx.) | 140±10 mm | 140±10 mm | 232±10 mm |
| 5 Average Discharge Time | 10 -20 Sec | 15 -36 Sec | 20 -60 Sec |
| 6 Average Range of Throw | 10 m | 10 m | 10 m |
| 7 Minimum % Discharge | 95% | 95% | 95% |
| 8 Operating Temperature | -30°C to +55°C | -30°C to +55°C | -30°C to +55°C |
| 9 Service Pressure (Pms) | 60 bar | 60 bar | 60 bar |
| 10 Test Pressure | 250 bar | 250 bar | 250 bar |
| 11 Full Weight (Approx) | 21 or 23 kg | 29 or 32 kg | 66 or 69 kg |
| 12 Empty Weight (Approx) | 14.5 or 16.5 kg | 20 or 23 kg | 43.5 or 46.5 kg |
| 13 Shipping Weight (Approx) | 22 or 24 kg | 30 or 33 kg | 67 or 70 kg |
| 14 Packaging Standard | Jute Bags | Jute Bags | Jute Bags |
| 15 Approvals | BIS & CE | BIS & CE | BIS & CE |



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WATER TYPE STORED PRESSURE FIRE EXTINGUISHER



| ITEM CODE | FL025 | FL026 |
|--------------------------------|----------------------|----------------------|
| 1 Type | Water | Water |
| 2 Capacity | 6 LTR | 9 LTR |
| 3 Fire Rating | 2A | 3A |
| 4 Height (Approx.) | 530 mm | 575 mm |
| 5 Diameter (Approx.) | 150±10 mm | 180±10 mm |
| 6 Average Discharge Time | 22 Sec | 35 Sec |
| 7 Average Range of Throw | 5 m | 7 m |
| 8 Average% Discharge | 96 % | 97 % |
| 9 Operating Temperature | +5°C to +60°C | +5°C to +60°C |
| 10 Max. Service Pressure (Pms) | 17 bar | 17 bar |
| 11 Test Pressure | 35 bar | 35 bar |
| 12 Expelling Agent | Nitrogen (UHP Grade) | Nitrogen (UHP Grade) |
| 13 Approvals | BIS & CE | BIS & CE |

WATER Co2 CARTRIDGE TYPE FIRE EXTINGUISHER



| ITEM CODE | FL027 | FL028 |
|--------------------------------|---------------|---------------|
| 1 Type | Water | Water |
| 2 Capacity | 6 LTR | 9 LTR |
| 3 Fire Rating | 2A | 3A |
| 4 Height (Approx.) | 530 mm | 585 mm |
| 5 Diameter (Approx.) | 150±10 mm | 180±10 mm |
| 6 Average Discharge Time | 21 Sec | 32 Sec |
| 7 Average Range of Throw | 5 m | 7 m |
| 8 Average% Discharge | 96 % | 97 % |
| 9 Operating Temperature | +5°C to +60°C | +5°C to +60°C |
| 10 Max. Service Pressure (Pms) | 16 bar | 16 bar |
| 11 Test Pressure | 35 bar | 35 bar |
| 12 Expelling Agent | CO2 GAS | CO2 GAS |
| 13 CO2 Gas Cartridge | 60 gm | 60 gm |
| 14 Approvals | BIS & CE | BIS & CE |



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FOAM TYPE STORED PRESSURE FIRE EXTINGUISHER



| ITEM CODE | FL029 | FL030 |
|-----------|-----------------------------|----------------------|
| 1 | Type | Foam |
| 2 | Capacity | 6 LTR |
| 3 | Fire Rating | 3A:89B |
| 4 | Height (Approx.) | 530 mm |
| 5 | Diameter (Approx.) | 150±10 mm |
| 6 | Average Discharge Time | 22 Sec |
| 7 | Average Range of Throw | 5 m |
| 8 | Average% Discharge | 96 % |
| 9 | Operating Temperature | +5°C to +60°C |
| 10 | Max. Service Pressure (Pms) | 17 bar |
| 11 | Test Pressure | 35 bar |
| 12 | Expelling Agent | Nitrogen (UHP Grade) |
| 13 | Approvals | BIS & CE |

FOAM Co2 CARTRIDGE TYPE FIRE EXTINGUISHER



| ITEM CODE | FL031 | FL032 |
|-----------|-----------------------------|---------------|
| 1 | Type | Foam |
| 2 | Capacity | 6 LTR |
| 3 | Fire Rating | 3A:89B |
| 4 | Height (Approx.) | 530 mm |
| 5 | Diameter (Approx.) | 150±10 mm |
| 6 | Average Discharge Time | 21 Sec |
| 7 | Average Range of Throw | 5 m |
| 8 | Average% Discharge | 96 % |
| 9 | Operating Temperature | +5°C to +60°C |
| 10 | Max. Service Pressure (Pms) | 16 bar |
| 11 | Test Pressure | 35 bar |
| 12 | Expelling Agent | CO2 GAS |
| 13 | CO2 Gas Cartridge | 60 gm |
| 14 | Approvals | CE |



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CLEAN AGENT ABC FIRE EXTINGUISHER



| ITEM CODE | FL033 | FL034 | FL035 | FL036 |
|-------------------------------|----------------|----------------|----------------|----------------|
| 1 Capacity | 2 kg | 4 kg | 6 kg | 9 kg |
| 2 Fire Rating (Map) | 1A:21B | 2A:89B | 3A:144B | |
| 3 Height (Approx.) | 380 mm | 490 mm | 530 mm | 570 mm |
| 4 Diameter (Approx.) | 106±10 mm | 140±10 mm | 150±10 mm | 184±10 mm |
| 5 Average Discharge Time | 12.5 Sec | 14 Sec | 22 Sec | 31 Sec |
| 6 Average Range of Throw | 3 m | 3.5 m | 4 m | 6 m |
| 7 Average% Discharge | 96% | 97% | 96% | 93% |
| 8 Operating Temperature | -20°C to +55°C | -20°C to +55°C | -20°C to +55°C | -20°C to +55°C |
| 9 Max. Service Pressure (Pms) | 13 bar | 13 bar | 13 bar | 17 bar |
| 10 Test Pressure | 35 bar | 35 bar | 35 bar | 35 bar |
| 11 Expelling Agent | Nitrogen | Nitrogen | Nitrogen | Nitrogen |
| 12 Shipping Weight (Approx.) | 3.8 kg | 7 kg | 9.2 kg | 13.6 kg |
| 13 Approvals | UL & CE | UL & CE | UL & CE | UL & CE |

MODULAR AUTOMATIC CLEAN AGENT ABC TYPE FIRE EXTINGUISHER



| ITEM CODE | FL037 | FL038 | FL039 | FL040 |
|-----------------------------|-------------------------|-------------------------|-----------------------|-----------------------|
| 1 Capacity | 2 kg | 5 kg | 10 kg | 15 kg |
| 2 Propellant | Nitrogen | Nitrogen | Nitrogen | Nitrogen |
| 3 Area Protection | 1 to 1.5 m ² | 2 to 2.5 m ² | 4 to 5 m ² | 5 to 6 m ² |
| 4 Volume Protection | 2.5m ³ | 6m ³ | 10m ³ | 15m ³ |
| 5 Vertical Hanging Height | 1.5m | 1.5m to 2m | 1.75m to 2.25m | 2 to 3 m |
| 6 Operation Time in Seconds | 6-8 | 8-10 | 10-15 | 15-20 |



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1 YEAR WARRANTEE

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TROLLEY MOUNTED FIRE EXTINGUISHER POWDER BASED



| ITEM CODE | FL041 | FL042 | FL043 |
|--------------------------------------|----------------------|----------------------|----------------------|
| 1 Type | DCP | DCP | DCP |
| 2 Capacity | 25 kg | 50 kg | 75 kg |
| 3 Design | Hose & Nozzel | Hose & Nozzel | Hose & Nozzel |
| 4 Height (Approx.) | 980 mm | 1020 mm | 1030 mm |
| 5 Diameter (Approx.) | 300±10 mm | 400±10 mm | 400±10 mm |
| 6 Average Discharge Time | 25-30 Sec | 40-50 Sec | 50-60 Sec |
| 7 Average Range of Throw | 6 m | 8 m | 10 m |
| 8 Average % Discharge | 85% | 85% | 85% |
| 9 Operating Temperature | -30°C to +55°C | -30°C to +55°C | -30°C to +55°C |
| 10 Service Pressure (PS/ Exp. Space) | 14kg/cm ² | 14kg/cm ² | 14kg/cm ² |
| 11 Test Pressure | 30kg/cm ² | 30kg/cm ² | 30kg/cm ² |
| 12 Expelling Agent | CO2 Gas | CO2 Gas | CO2 Gas |
| 13 CO2 Gas Cylinder | 500 gm | 2 kg | 2 kg |
| 14 Full Weight (Approx) | 64 kg | 107 kg | 146 kg |
| 15 Empty Weight (Approx) | 39 kg | 57 kg | 73 kg |
| 16 Shipping Weight (Approx) | 65 kg | 110 kg | 148 kg |
| 17 Packing Standard | Jute Bags | Jute Bags | Jute Bags |
| 18 Approvals | BSEN & CE | BSEN & CE | BSEN & CE |

MECHANICAL FOAM & WATER TYPE TROLLEY MOUNTED



| ITEM CODE | FL044 | FL045 |
|--------------------------------------|-----------------------------|-----------------------------|
| 1 Type | Water | Foam |
| 2 Capacity | 45 Ltr | 45 Ltr |
| 3 Design | Hose & Air Aspirated Nozzle | Hose & Air Aspirated Nozzle |
| 4 Height (Approx.) | 1160 mm | 1160 mm |
| 5 Diameter (Approx.) | 300+10 mm | 300+10 mm |
| 6 Average Discharge Time | 40-180 Sec | 40-180 Sec |
| 7 Average Range of Throw | 10 m | 10 m |
| 8 Average % Discharge | 90% | 90% |
| 9 Operating Temperature | +5°C to +55°C | +5°C to +55°C |
| 10 Service Pressure (PS/ Exp. Space) | 14kg/cm ² | 14kg/cm ² |
| 11 Test Pressure | 30kg/cm ² | 30kg/cm ² |
| 12 Expelling Agent | CO2 Gas | CO2 Gas |
| 13 CO2 Gas Cylinder | 300 gm | 300 gm |
| 14 Full Weight (Approx) | 82 kg | 82 kg |
| 15 Empty Weight (Approx) | 32 kg | 32 kg |
| 16 Shipping Weight (Approx) | 83 kg | 83 kg |
| 17 Packing Standard | Jute Bags | Jute Bags |
| 18 Approvals | BSEN & CE | BSEN & CE |



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K CLASS KITCHEN FIRE EXTINGUISHERS



| ITEM CODE | FL046 | FL047 | FL048 |
|-------------------------------|----------------------|----------------------|----------------------|
| 1 Capacity | 4 Ltr | 6 Ltr | 9 Ltr |
| 2 Height (Approx.) | 490 mm | 550 mm | 645 mm |
| 3 Diameter (Approx.) | 140±10 mm | 162±10 mm | 180±10 mm |
| 4 Average Discharge Time | 13 Sec (Min) | 13 Sec (Min) | 13 Sec (Min) |
| 5 Average Range of Throw | 4 m (Min) | 2 m (Min) | 2 m (Min) |
| 6 Average % Discharge | 94% | 94% | 95% |
| 7 Operating Temperature | +5°C to +55°C | +5°C to +55°C | +5°C to +55°C |
| 8 Max. Service Pressure (Pms) | 13 bar | 13 bar | 13 bar |
| 9 Test Pressure | 35 bar | 35 bar | 35 bar |
| 10 Shipping Weight (Approx) | Nitrogen (UHP Grade) | Nitrogen (UHP Grade) | Nitrogen (UHP Grade) |
| 11 Approvals | CE | CE | CE |



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FIRELITE UL LISTED 25 BAR FK 1230 (FK-5-1-12)

CLEAN AGENT SUPPRESSION

FIRE SUPPRESSION SYSTEM

General Information
 FK1230 (FK-5-1-12)
 Clean agent
 system are employed to protect
 critical installations formerly
 protected by halon1301.

These include :-

- Data Processing centers
- Telephone switches
- Process control rooms
- Art and historical Collections
- Archive & Museums
- Marine,oil & Gas
- Aerospace, Aviation & Military



FK 1230 (FK-5-1-12) FIRE SUPPRESSION AGENT

FK 1230(Fk-5-1-12) agent complies with NFPA Standard 2001 Standard for clean agent fire extinguishing systems. These agents are classified as suitable for use in occupied areas and area considered to have no **Ozone Depleting Potential (ODP)** Fk1230 (FK-5-1 -12) fire suppressant can be safely used where people are present.

DESCRIPTION

FK 1230 (FK-5-1-12) systems reach extinguishing levels in 10 seconds or less, stopping ordinary combustible,electrical, and flammable liquid fires before they cause significant damage. That's the fastest fire protection available, period. When fire is extinguished this quickly, it means less damage, lower repair costs, and an extra margin of safety for people. It also means less downtime and disruption of business.

34,80,120 & 140 liter Capacity Seamless Cylinder - Standard Unit

SEAMLESS CYLINDER DATA - STANDARD UNIT

| ITEM CODE | FL049 | FL050 | FL051 | FL052 |
|--------------------------|----------------|------------|------------|------------|
| 1 Capacity | 34 L | 80 L | 120 L | 140 L |
| 2 Valve (NB) | 1-1/2" (40 NB) | 2" (50 NB) | 2" (50 NB) | 2" (50 NB) |
| 3 AGENT FILL RANGE (KG.) | 16 - 38 | 38 - 89 | 57 - 134 | 67 - 157 |
| 4 HEIGHT (MM) | 1118 | 1842 | 1642 | 1867 |
| 5 DIAMETER (MM) | 232 | 267 | 356 | 356 |

FIRELITE ELECTRICAL CABINET SUPPRESSION SYSTEM

- 13% of non-home structure fires are due to electrical distribution and components
- 21% of property damage is the reason of electrical cabinet fires

CAUSES OF FIRE

- Short-circuits, overloading or overheating of components
- Defective electrical connections
- Electrical malfunctioning
- Electrical surges • Fatigue/Life time of electrical wires
- Incorrect installation
- Faulty equipment

ELECTRICAL CABINET FIRES

- Damage to equipment and surrounding areas
- Operations interruption/downtime
- Possible loss of clients
- Financial loss
- Business & Asset safety risk



A COMPLETE PRE-ENGINEERED SYSTEM

- Designed to protect Electrical Enclosures and Circuitry.
- Pre-Engineered Electrical Cabinet Suppression System kit

KEY BENEFITS:

- Reduces even the most critical Electrical Fire risks
- Complete protection from combustion from short circuits overloading or overheating in an electrical cabinet



RELIABILITY

- UL Listed Clean Agent & Heat Detection Tube
- Dual Valve Outlet Ensures substantial savings yet protecting large size cabinets

- Protects Electrical Panels circuitry
- Avoids work stoppage & business down time



FULLY AUTOMATIC

- Automatically detects and suppresses fire
- No external power or Human intervention required

- Protects business & property assets
- Leaves out no residue & Environmental friendly



FAST DETECTION

- Get installed directly inside the electrical cabinets- Closer to where a fire can start

| DISCRIPTION | Co2 | FK-5-1-12 |
|-----------------|--|---|
| NFPA Standerd | NFPA-12- Lethal for Humans & Animals. Strongly not recommended in manned | NFPA 2001- Clean agent. No residue - safe for electronics |
| Reaction | Non Reactive | Non-reactive / Non-corrosive |
| Discharge Time | 30 Sec | 10 Sec |
| Pressure Rating | Medium Pressure (60 Bar) | Low Pressure 14 to 16 Bar |

SYSTEM OVERVIEW THE SOLUTION

FIRELITE ECS system uses the detection & suppression tubing system which is installed throughout the enclosure and connected to the cylinder valve. The tubing is charged with dry nitrogen to pressurize it inside the cylinder

The system uses heat-sensitive pneumatic polymer tubing that reliably detects and releases the extinguishing agent through Heat Detection Tube. Multiple temperature rated tubing options (110 or 180 degree celsius) protect a variety of hazards and equipments. Optional dual-outlet valves allow more versatility to protect larger hazards than a single valve system

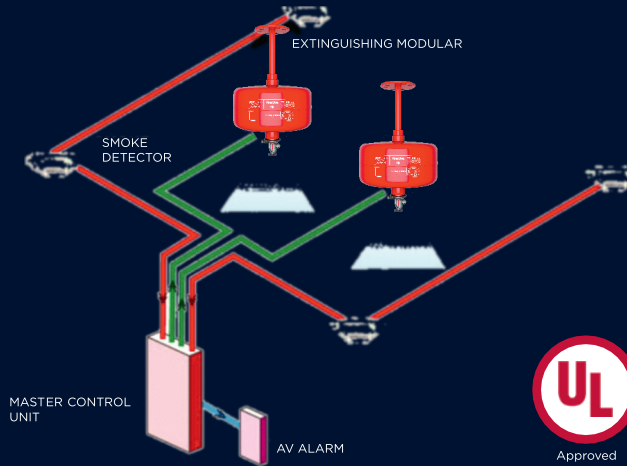


SYSTEM DESIGN IS BASED ON NFPA 2001 GUIDELINE NBC 2016

- Clause 3.4.6.3 Substation/Transformers
Electrical MV Main distribution panel and lift panels shall be provided with CO2/inert gas/ Clean gas flooding system for all panel compartments with a cylinder located beside the panel.

FIRELITE AUTOSAFE SUPPRESSION SYSTEM

FIRELITE AUTOSAFE SUPPRESSION : System is a suppression solution designed for unmanned rooms where manual intervention at early stages of fire is not possible. This automatically operating suppression system is ideally suited for small server rooms and storage areas e.t.c where special attention is required in providing adequate protection against fire hazard with early detection and suppression without causing any collateral damage. This system comprises of ceiling mounted cylinder filled with Clean Agent and integrated with an electrically actuated control valve, Point detectors and Fire Detection and Alarm panel. In case of fire, the detector sends signal to the fire alarm panel, which triggers the electrical actuator on the cylinder valve to discharge the agent into the room thereby suppressing



ACCESSORIES LIST

| ITEM CODE | UOM | DISCRIPTION |
|------------|-----|-----------------------------------|
| 1 RPS0001 | NOS | Flange Assembly |
| 2 RPS0002 | NOS | Extention Bar |
| 3 RPS0003 | NOS | Pressure Guage |
| 4 RPS0004 | NOS | 0.5 sqmm x 2 core Cable |
| 5 RPS0005 | NOS | Mounting Adaptor |
| 6 RPS0006 | NOS | Sprinkler |
| 7 RPS0007 | NOS | Solenoid Valve |
| 8 RPS0008 | NOS | O ring |
| 9 RPS0009 | NOS | Smoke Detector |
| 10 RPS0010 | NOS | Fire Alarm Panel (Model RE 120GR |

| ITEM CODE | FL052 | FL053 | FL054 | FL055 |
|-----------------------|--------------------|--------------------|--------------------|--------------------|
| 1 Item Discription | 10 Kg Firelite ASS | 15 Kg Firelite ASS | 20 Kg Firelite ASS | 25 Kg Firelite ASS |
| 2 H (MM) | 486 (+_10) | 486 (+_10) | 506 (+_10) | 524 (+_10) |
| 3 D (MM) | 300 | 400 | 400 | 400 |
| 4 Working Pressure | 15 Bar | 15 Bar | 15 Bar | 15 Bar |
| 5 Approx Gross Weight | 17 kg | 24 kg | 32 kg | 39 kg |
| 6 Volume Protection | 2.5 m ² | 6M3 | 10 m ³ | 15 m ³ |

| | | |
|---------------------|-------------------------------|---|
| Extinguishing Agent | Fk1230 (FK-5-1-12) | This System can be used, but are not Limited, |
| Propellant | Nitrogen | To protection following |
| Colour | Red | |
| Operating Temp | -30°C to + 60°C | Server Room |
| Test Pressure | 35 bar for 60 sec | Electrical Panel Room |
| Burts pressure | 55bar at body, 80 bar at weld | UPS Room |
| Filling Tolerance | 5% by mass | ATMS |
| Material | | Meter Rooms E.t.c |

✓cylinder Body - Mild Steel, IS 513 ✓Solenoid Valve - SS 316 ✓Components Approval Fk1230.

FIRE SYSTEM ACCESSORIES

LANDING VALVES

Single Outlet ISI Marked (Type A)

Technical Specifications:

Size: Inlet 75 / 80 mm with 63 mm size one no. female outlet

Material: Leaded Tin Bronze of IS:318 & Stainless steel - IS:3444

Performance Test:

Hydrostatic (Body Test) : Tested at 21 Kgf/cm2
Water Tightness (Seat test): Test at 14 kgf/cm2
Flow Test 900 Liter at 7 Kgf/cm2



IS5290

LANDING VALVES

Double Outlet (Type B) ISI Marked

Technical Specifications:

Size: Inlet 100mm with 63mm size two no. female outlet

Material: Leaded Tin Bronze of Is :318 & Stainless steel - IS:3444

Performance Test:

Hydrostatic (Body Test) : Tested at 21 Kgf/cm2
Water Tightness (Seat test): Test at 14 kgf/cm2
Flow Test 1800 Liter at 7 Kgf/cm2



IS5290

BRANCH PIPE NOZZLE

Technical Specifications:

Size: 63 MM

Material: Leaded Tin Bronze of IS:318 & Stainless steel - IS:3444

Other Range: 52 mm and 38 mm

Performance Test:

Hydrostatic (Body Test) : Tested at 21 Kgf/cm2



IS903

HOSE DELIVERY COUPLING

Technical Specifications:

Size: 63 MM

Material: Leaded Tin Bronze of Is :318 & Stainless steel - IS:3444

Other Range: 70 mm, 52 mm and 38 mm

Performance Test:

Hydrostatic (Body Test) : Tested at 21 Kgf/cm2



IS903

FIRE HOSE BOX

Technical Specifications:

Dimension: 750x600x250

Material: Mild Steel Sheet, Stainless Steel Aluminium Sheet & FRP

Type: Single/Double Door Type with Locking arrangement, Front Glass and Key



FIRE SYSTEM ACCESSORIES

FIRE HOSE

Technical Specifications:

| | |
|---|-------------|
| Inner Diameter | 63 mm |
| Mass Per Meter | 500 gms max |
| Sizes available as per customer requirement | |
| Burst Pressure | 36 bar |
| Proof Pressure | 22 bar |
| Kink Pressure | 22 bar |
| Working Pressure | 18 bar |



FIRST AID HOSE REEL

Technical Specifications:

Size : Intel 20mm (3/4" BSP Thread size)
Hose reel Tubing Hydraulic Rubber Hose
Conf to IS : 444

Type :
Swinging 180° Wall mounting

Performance Test:
Hydrostatic Test : Tested at 21 kgf cm 2
Range & Water Flow rate test at 7kgf/cm2
(A) Discharge : 24 LPM
(B) Range (Jet Length) : 6mtr (min)



STAND POST TYPE WATER CUM FOAM/ WATER MONITOR AS PER IS : 8442

Technical Specifications:

Size : 63 mm
Material of Construction :
Seamless Steel Tubes
Range : Verticle - 21mtr | Horizontal - 53 mtr.
Rotation : Verticle : 125° min
(80° upward and 45° downward)
Horizontal : 360° in either direction

Performance Test:
Hydrostatic Test (Body Test) : Tested at 21 kgf CM 2
Discharge at working pressure 7 kgf/cm2 : 1700 LPM



RUBBER/THERMOPLASTIC HOSE

Technical Specifications:

TYPE 1:
Working Pressure : 6kgf / cm2
Proof Pressure : 12 kgf / cm2
Brushing Pressure : 19 kgf / cm2

TYPE 2:
Working Pressure : 10kgf / cm2
Proof Pressure : 20 kgf / cm2
Brushing Pressure : 30 kgf / cm2

Performance Test:
Hydrostatic Test (Body Test) : Tested at 21 kgf CM 2
Discharge at working pressure 7 kgf/cm2 : 1700 LPM



4/3/2 WAY SUCTION COLLECTION HEAD

Technical Specifications:
Consist of 4/3/2 nos. 63 mm size (GM) male instantaneous coupling as per IS 903 with NRV



FIRE SYSTEM ACCESSORIES



FOAM MAKING BRANCH PIPE



TRIPLE PURPOSE NOZZLE



AIR RELEASE VALVE



SHUT OFF NOZZLE SIZE 3/4"



WATER SPRAY NOZZLE



SPRINKLER



SINGLE DOOR HOSE BOX



SPRINKLER FLEXI DROP

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TYPES OF FIRE EXTINGUISHERS



A For Paper, Wood, Cloth, Trash



B For Petrol, Oil, Paint, Flammable Liquids



C For Electrical Fires (Wire, Equipment)



D For Burning Metals



K For Kitchen (Oil & Grease)



HOW TO USE FIRE EXTINGUISHERS



PULL

Pull the pin (or other motion) to unlock the Extinguisher.



AIM

Aim at the base (bottom) of the fire and stand 6-10 feet away.



SQUEEZE

Squeeze the lever to discharge the agent.



SWEEP

Sweep the spray from left to right until the flames are totally Extinguished.

PROTECT YOUR LIVES AND PROPERTIES WITH US

fire lite[®]





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