

SFFECO

FK5112

CLEAN AGENT
FIRE SUPPRESSION SYSTEM



- ▶ NO RESIDUE
- ▶ COST-EFFECTIVE
- ▶ NON-TOXIC
- ▶ RAPID ACTING
- ▶ ECO-FRIENDLY
- ▶ SHORT ATMOSPHERIC LIFE
- ▶ ZERO OZONE DEPLETION
- ▶ GLOBAL WARMING SAFE

NEW
PRODUCT



We are very proud to be a vital part of the development of Saudi Arabia and Middle East since **1983** in fire protection industry.

FIRE EXTINGUISHING AND GAS SUPPRESSION SYSTEMS



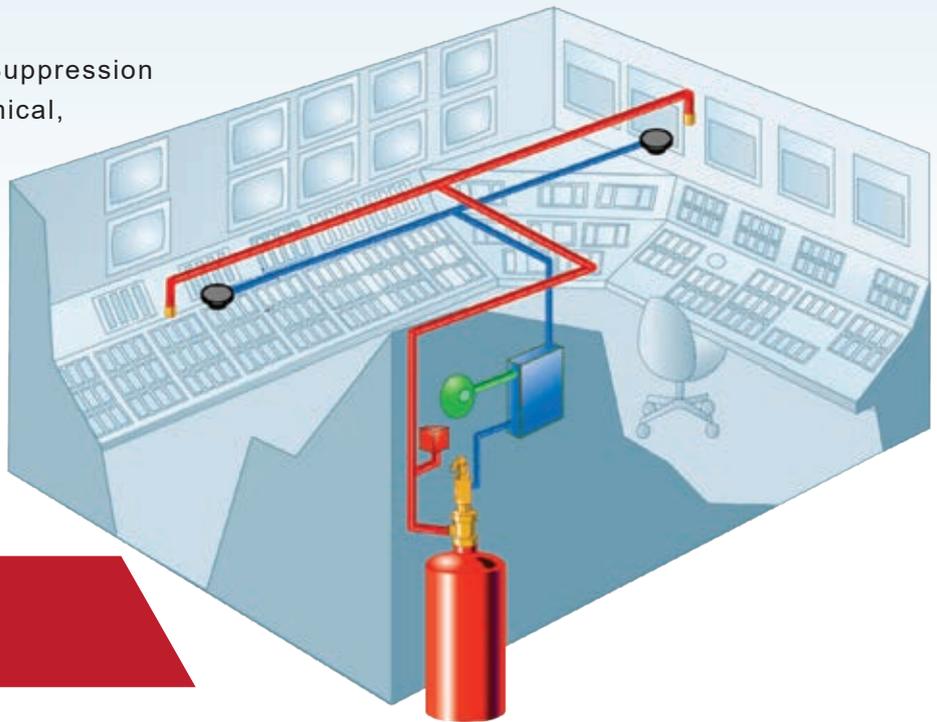
SFFECO FK5112 CLEAN AGENT FIRE SUPPRESSION SYSTEM



The risk of fire surrounds us everywhere today. Suppression systems are the first line of defense against all kinds of fire. Fire suppression systems avoid major break outs and also help in identifying the location of the fire.

SFFECO FK5112 Clean Agent Fire Suppression Systems are safe, economical, eco-friendly, effective, odorless, and do not damage contents making them most sought after systems. Our extinguishing and suppression systems are certified as per standards set by UL, FM, US.EPA and are compliant to design and quality standards of NFPA 2001.

BASIC SYSTEM STRUCTURE



GENERAL INFORMATION



Flow Calculation Software & Technical Support Manual

The SFFECO-FK5112 (UL/FM) software, calculates the flow calculation and design criteria as described in the manual.



Control and Detection Hardware Components

The SFFECO-FK5112 integrated clean agent system works hand in-hand with state of the art UL/FM approved control detection and notification.

System Container Assembly

The SFFECO-FK5112 Engineered system cylinders assembled with head valves straps starts from 20 lbs upto 1200 lbs equipped with head valve size of 1 inch, 1.5 inch, 2.5 inch, 3 inch and 4 inch manufactured, stamped, and tested in accordance to UL, FM and DOT requirements.



Actuation Package Unit

Electrical, Manual, and Pneumatic unit suitable for multiple system cylinders arrangements that give more flexibility features.



GENERAL

The SFFECO-FK5112 agent is a Fluorinated Ketone (FK-5-1-12) Dodecafluoro-2-methylpentan-3-one compound of carbon, fluorine and oxygen (CF₃CF₂C(O)CF(CF₃)₂).

SFFECO 5112 is a clear, colorless, almost odourless, electrically non-conductive liquid.

SFFECO Engineered system has been designed by expert engineers to extinguish fires in certain hazard areas. SFFECO 5112 is acceptable by NFPA 2001 (latest revision) and can be used as an alternative to HFC 227ea.

Since SFFECO 5112 is electrically non-conductive; it is best suited in places where electronic components are located such as control room. The short atmospheric lifetime of SFFECO 5112 results in a direct global warming potential which is negligible.

SFFECO 5112 is an effective fire extinguishing agent that can be used for the fire protection of Class A (Solid), Class B (liquid and gas), and Class C (Electrically energized) hazards.

SFFECO 5112 is safe for people, assets & environment and it is characterized by no toxicity.

WHY SFFECO-FK5112?

The SFFECO-FK5112 system cylinder valve assemblies are equipped with pressure differential high flow rate valve in the order to meet the rapid discharge time of 10 seconds as specified in NFPA 2001.

SFFECO-FK5112 has a wide filling range from 20lbs to 1200lbs allowing for head valve outlets ranging from 1" to 4".

SFFECO-FK5112 cylinder head valves have been designed to be actuated electrically, pneumatically or mechanically, to make it suitable for different designs application.

WHY CHEMORI 5112?

Chemori-5112 is a colorless, electrically non-conductive fluid chemical known as fluoketone, FK-5-1-12.

Chemori-5112 is long-term sustainable technology with zero ozone depletion, extremely low global warming potential, and short atmospheric lifetime.

Chemori-5112 offers a unique combination of safety, low environmental impact and extinguishing performance.

CYLINDER SPECIFICATIONS

Part Number	Cylinder Size	Max. Fill at 70 lb/ft ³	Min. Fill at 35 lb/ft ³	Valve Size
** SF 70020-E-SS	20 LB	21 LB	11 LB	1"
** SF 70035-E-SS	35 LB	38 LB	18 LB	1"
** SF 70070-E-SS	70 LB	76 LB	36 LB	1"
** SF 70100-F-SS	100 LB	108 LB	51 LB	1"
* SF 70100-E-SS	100 LB	108 LB	51 LB	1 1/2"
* SF 70150-E-SS	150 LB	163 LB	77 LB	1 1/2"
** SF 70250-E-SS	250 LB	271 LB	127 LB	1 1/2"
** SF 70375-E-SS	375 LB	406 LB	190 LB	2 1/2"
** SF 70560-E-SS	560 LB	601 LB	281 LB	2 1/2"
** SF 70650-E-SS	650 LB	712 LB	333 LB	2 1/2"
** SF 70650-F	650 LB	712 LB	333 LB	3"
** SF 70800-E	800 lb	900 LB	420 LB	4"
** SF 70800-F	800 lb	900 LB	420 LB	3"
** SF 71000-E	1000 lb	1112 LB	520 LB	4"
** SF 71000-F	1000 lb	1112 LB	520 LB	3"
** SF 71200-E	1200 lb	1297 LB	606 LB	4"

* UL Listed

** UL Listed & FM Approved



SECTORS OF APPLICATION

INDUSTRIAL

Flammable Liquid Storage Rooms
 Process Control Rooms
 Laboratories
 Engine Test Cells
 Oil & Gas exploration

BROADCASTING

Radio & TV Stations
 Electronic Control Rooms
 UPS Rooms
 Media Storage
 Historic Record Storage

MILITARY AND TRANSPORTATION

Combat Vehicles
 Marine engine rooms
 Merchant marine vessels
 Mass transportation vehicles
 Commercial & Military aviation

HEALTHCARE

Medical Record Storage
 CT/CAT Scan & MRI Control Rooms

COMPUTER & CONTROL CENTERS

Server Rooms
 Electronic Data/Tape Storage
 Electrical switchgear & Cabinets
 UPS Rooms
 Air Traffic Management Control Centers
 Railways Signaling Control Centers

CULTURAL

Museums
 Libraries
 Personal/Corporate Collections

TELECOMMUNICATION EQUIPMENT

PBX & IDF Rooms
 Cell Sites
 Microwave relay Towers

MISCELLANEOUS

Bank Vaults
 Cash/Security Departments
 Precious Inventory

In line with our policy of continuous product improvement, SFFECO reserves the right to modify specifications without prior notice.

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