



Fire Suppression **P**roduct Catalog

- Fire Extinguishing Systems



FORTTEC

The Best Engineering Company!!

FortTec Co., Ltd. is a world leader in providing total system solutions for special hazard fire protection, offers a comprehensive portfolio of suppression that can be tailored to fit specific applications. FortTec products can be applicable protecting industries around the world, such as: power, oil and gas, manufacturing, semiconductor, commercial cooking, education, cultural and heritage, service and timber and wood.

Our Mission :

FortTec Co., Ltd. is dedicated to the development and application of innovative, cost effective fire suppression technologies to save lives, reduce property damage, and downtime.

Commitment to Quality Policy :

FortTec Co., Ltd. recognizes that the disciplines of Quality, Health and Safety, and Environmental management are integral parts of its management function. The Company views these as a primary responsibility and to be the key to good business in adopting appropriate Quality standards.

Service :

Any product is, ultimately, only as good as the service that supports it. We are committed to provide rapid response to our customer's questions and special requirements. We ship on time, complete, and are committed to a short delivery cycle.



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Date of Establishment	April 10, 2001
CEO	SangSoo Ahn
Type of Business	Manufacturing & Engineering Service in Fire Protection

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Fire Extinguishing Systems

▷ HFC-125, Novec 1230, Wet Chemical and CO₂





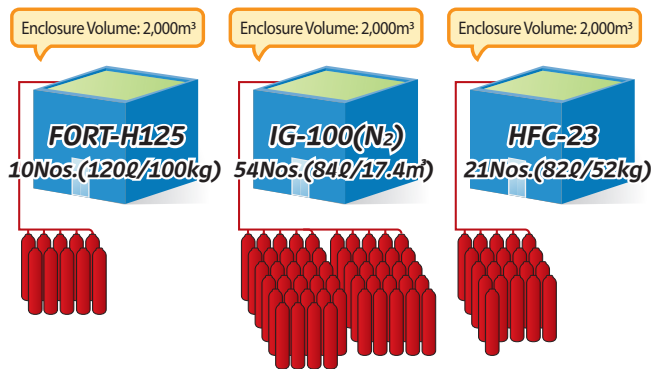
FORT-H125 Fire Suppression Systems (Standard Flow Type)

Introduction



FORT-H125 is suitable for use in rooms, vaults, enclosed machines, containers, storage areas, and bins or wherever fixed enclosures are used. The use of FORT-H125 in total flooding system requires the protected areas to be sealed at the time of discharge. Therefore, it is important that closable opening such as doors, dampers, and vents be closed during discharge so the proper agent concentration can be reached and maintained. After discharge HFC-125 agent, the minimum extinguishing concentration must remain in the enclosure for a minimum 10 minutes. This 10-minute period is referred to as the "Retention Time".

Fire Suppression System Comparison



- ✓ **Simple & Quick Installation**
- ✓ **Factory-assembled & tested systems**
- ✓ **Clean agent safe for occupants**
- ✓ **Environmentally safe long-term solution**
- ✓ **Available in multiple sizes**

System	Design Concentration for Class A/C Fire	Design Concentration for Class B Fire	Specific Vapor Volume (m³/kg)	Minimum Discharge Pressure at Nozzles	Maximum Pipe Volume Ratio
Fort-H125	8.7%	11.31%	0.485	8bar	220%
IG-100(N ₂)	37.20%	46%	0.465	29bar	90%
HFC-23	13.97%	18.70%	0.529	14.4bar	120%

Applications

FORT-H125 Series are used to suppress fires in specific hazards where:

- A clean agent is required to keep cleanup time and downtime to a minimum.
- An electrically non-conductive agent is required to avoid additional equipment damage.
- Suppression capability with low weight and small storage space is a factor.
- The hazard is occupied by personnel, creating human safety concerns.

FORT-H125 Systems are designed for the following classes of fire:

- Class A Fires: Wood, plastics or other type material
- Class B Fires: Flammable liquids
- Class C Fires: Energized electrical equipment



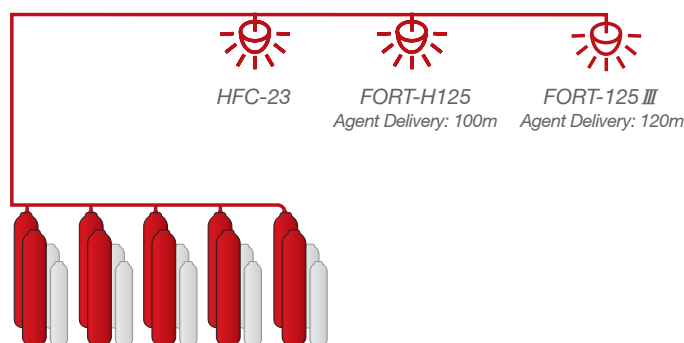
FORT-125 III Fire Suppression Systems (Jet Flow Type)

Introduction



FORT-125 III is suitable for use in rooms, vaults, enclosed machines, containers, storage areas, and bins or wherever fixed enclosures are used. The use of FORT-125 III in total flooding system requires the protected areas to be sealed at the time of discharge. Therefore, it is important that closable opening such as doors, dampers, and vents be closed during discharge so the proper agent concentration can be reached and maintained. After discharge HFC-125 agent, the minimum extinguishing concentration must remain in the enclosure for a minimum 10 minutes. This 10-minute period is referred to as the "Retention Time".

Fire Suppression System Comparison



System	Design Concentration for Class A/C Fire	Design Concentration for Class B Fire	Specific Vapor Volume (m ³ /kg)	Minimum Discharge Pressure at Nozzles	Maximum Pipe Volume Ratio
Fort-125 III	8.7%	11.31%	0.485	12bar	315%
IG-100(N ₂)	37.20%	46%	0.465	29bar	90%
HFC-23	13.97%	18.70%	0.529	14.4bar	120%

What is the Jet Flow?

FORT-125 III Series uses a unique method for propelling the agent from the storage cylinder, through the system piping and out of the discharge nozzles. Nitrogen gas pressure from a separate storage cylinder is introduced into the vapor space of the cylinder at a controlled rate. This nitrogen pressure acts to propel the liquid agent through the pipe system at a higher flow rate than is possible from systems which combine the nitrogen with the agent in one storage container. FORT-125 III Series can propel the agent longer distances through a pipe network, permitting the placement of storage cylinders farther from the protected hazard.

Applications

FORT-125 III Systems are designed for the following classes of fire:

- Class A Fires: Wood, plastics or other type material
- Class B Fires: Flammable liquids
- Class C Fires: Energized electrical equipment



FORT-H125 / FORT-125 III Fire Suppression Systems (Modular Type)

Introduction

- Simple & Quick Installation
- Factory-assembled & tested compact systems
- Clean agent safe for occupants
- Environmentally safe long-term solution
- Available in multiple sizes

HFC-125 Extinguishant

HFC-125 (Pentafluoroethane) is identified in the NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems as a fire extinguishing agent.

HFC-125 does not deplete ozone (ODP 0), odorless, colorless, electrically non-conductive, non-corrosive, and leaves no residue.

HFC-125 suppresses fire by absorbing heat energy at its molecular level faster than the heat can be generated, so the fire cannot sustain itself. It also forms free radicals to chemically interfere with the chain reaction of the combustion process. This makes it a highly effective fire fighting agent that is safe for people and causes no damage to equipment.

System Specifications



Model	FORT-H125 67.5L, 120L			FORT-125III 60L	FORT-125III 90L
	1BT	2BT	3BT		
Cabinet Size	570(D)X430(W)X2000(H)	830(D)X430(W)X2000(H)	1190(D)X430(W)X2000(H)	500(D)X430(W)X1900(H)	660(D)X430(W)X1900(H)
Nominal Charge, Pressure	4.2Mpa	4.2Mpa	4.2Mpa	2.5Mpa	2.5Mpa
Operating Temperature	0°C to 40°C				
Cabinet Material	Steel				

Applications

FORT-H125 and 125 III Modular Type Systems are designed for the following classes of fire:

- Class A Fires: Wood, plastics or other type material
- Class B Fires: Flammable liquids
- Class C Fires: Energized electrical equipment



FORT-125 Fire Suppression Systems (Cabinet Type)

System Specifications



Model	FORT-125		
Agent Designation	HFC-125		
Cabinet Size	500(D)×500(W)×1940(H)		
Redundant Power	Ni -Cd Battery, DC24V		
Cabinet Material	Steel		
Protected Volume	77.04m ³	115.56m ³	154.09m ³
Net Agent Weight	50kg	75kg	100kg
Operating Temperature	0°C to 40°C		
Nominal Charge, Pressure	2.5MPa		

Applications

FORT-125 Systems are designed for the following classes of fire:

- Class A Fires: Wood, plastics or other type material
- Class B Fires: Flammable liquids
- Class C Fires: Energized electrical equipment



FORT-1230 Fire Suppression Systems (Cabinet Type)

System Specifications



Model	FORT-1230
Agent Designation	Novec 1230 (FK-5-1-12)
Cabinet Size	450(D)X430(W)X1900(H)
Redundant Power	Ni-Cd Battery, DC24V
Cabinet Material	Steel
Protected Volume	92.5m ³
Net Agent Weight	80kg
Operating Temperature	0°C to 40°C
Nominal Charge, Pressure	2.5MPa

Applications

It is generally used in situations where water from a fire sprinkler would damage expensive equipment, or where water-based fire protection is impractical, such as museums, banks, clean rooms and hospitals.

The Novec 1230 clean agent is stored in a pressurized container and introduced into the hazard as a gas. It is used in occupied enclosed areas that contain high-value assets.

FORT-1230 Systems are designed for the following classes of fire:

- Class A Fires: Wood, plastics or other type material
- Class B Fires: Flammable liquids
- Class C Fires: Energized electrical equipment



FORT-CO₂ II Fire Suppression Systems

Introduction

FORT-CO₂ II Fire Suppression Systems is an engineered, special hazard system utilizing a fixed pipe and nozzle distribution network. The system provides fire protection, using carbon dioxide (CO₂) as the extinguishant, designed in accordance with the National Fire Safety Codes (NFSC) 106, "Code on Carbon Dioxide Extinguishing Systems", (latest edition). All components referenced in this Catalog are listed by Korea Fire Institute (KFI), unless as noted.

Classification of Fire

The classification of fire is defined as the following:

- Class A: Surface Type Fires; wood or other cellulose-type material (ordinary combustibles)
- Class B: Flammable liquids
- Class C: Energized electrical equipment
- Class D: Combustible metals (such as magnesium, sodium, zirconium, potassium, and titanium, or reactive metals, metal hydrides and chemicals containing their own oxygen supply)
- Class K: Combustible cooking media (vegetable or animal oils and fats)

Note: FORT-CO₂ II Fire Suppression Systems are not suited for Class D type of fires.

Carbon dioxide is an effective agent for Class A, Class B, Class C, and Class K hazards. Carbon dioxide must be applied with due consideration of the hazard being protected and its contents.

Carbon dioxide shall not be used on Class D hazards, such as magnesium, potassium, sodium, and cellulose nitrate. These Class D hazards can only be controlled by special extinguishing agents and procedures.

General Characteristics of the System

Carbon dioxide fire suppression systems are used for applications where the potential property damage and business interruption from fire are high. Carbon dioxide can control and suppress fires in easily ignitable fast-burning substances such as flammable liquids. It is also used on fires involving electrically energized equipment and, in some instances, on fires in ordinary combustibles such as paper, cloth, and other cellulose materials.

Carbon dioxide is a colorless, odorless, electrically non-conductive gas with a density approximately 50% greater than air. When applied to a fire, it provides a blanket of heavy gas which reduces the oxygen content of the atmosphere to a point in which combustion cannot be sustained.

Carbon dioxide offers many advantages as a fire suppressant. It is a clean agent, does not leave a residue, and does not wet material or machinery upon which it is discharged, helping keep costly cleanup or downtime to a minimum. Carbon dioxide may be stored from -18°C to 54°C. Carbon dioxide does not deteriorate and is non-corrosive. It is readily available throughout the world and is inexpensive. Carbon dioxide is effective for the rapid suppression of Class A (surface or deep seated), B, and C fires and offers a wide range of hazard protection.

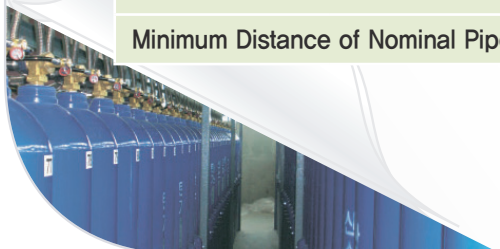




FORT-CO₂ II Fire Suppression Systems

System Specification

Item			Value
Cylinder Capacity		87ℓ	58kg CO ₂
		68ℓ	45kg CO ₂
Maximum Pipe Volume Ratio		Surface Fire	31%
		Deep-seated Fire	26.2%
Nozzle Orifice Area to Pipe Area Ratio	360° / 180°	Maximum	50%
		Minimum	9.5%
Minimum Discharge Pressure at Nozzles			2.5MPa
Maximum Nozzle Coverage Area		360°	246.5m ² (15.7m x 15.7m)
		180°	
Minimum Distance between Nozzles		360°	1m
		180°	
Maximum Nozzle Pressure Imbalance			2.0MPa
Maximum Arrival Time Imbalance			1sec
Maximum Protected Height			7.7m
Maximum Elevation Change			±50m
Acceptable Tee Flow Splits	Bull Tee	Maximum	50% : 50%
		Minimum	70% : 30%
	Side Tee	Maximum	65% : 35%
		Minimum	95% : 5%
First Branch Flow Split		Surface Fire	3.0%
		Deep-seated Fire	1.5%
Minimum Distance of Nominal Pipe Diameter before the Tee			10 Pipe Diameters

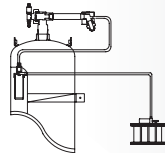




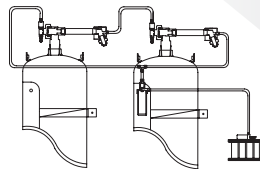
FORT-s125 Small Space Fire Suppression Systems

System Types

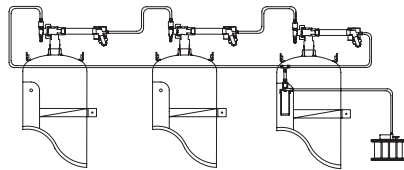
▷ Single Type



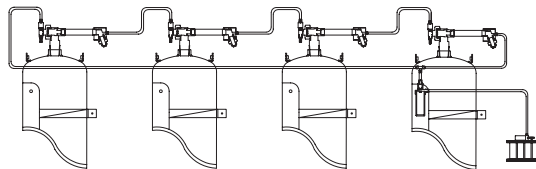
▷ Multiple Type, 2 Sets



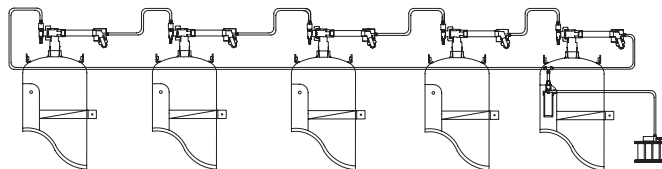
▷ Multiple Type, 3 Sets



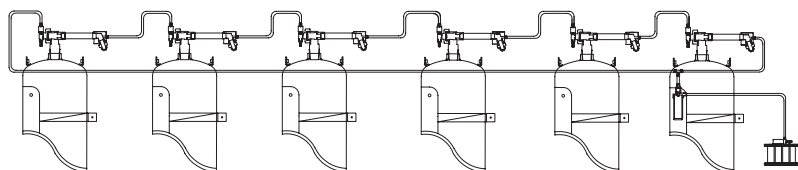
▷ Multiple Type, 4 Sets



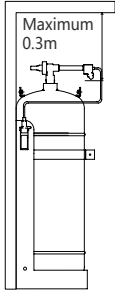
▷ Multiple Type, 5 Sets



▷ Multiple Type, 6 Sets



System Installation



1. Place the discharge nozzle(s) within 0.3 m from the ceiling.
2. The discharge nozzle(s) shall not be faced to the wall.
3. Place the system in the upright position.
4. For details, see the instruction manual provided with the system(s), or contact the manufacturer.

System Specifications

Single Type

Model	FORT-s125 8kg	FORT-s125 12kg	FORT-s125 16kg
Type of Actuation	Glass Bulb		
Operating Temperature	68°C		
Area Coverage	23.13m ² (4.9 x 4.72)	31.6m ² (4.91 x 6.43)	31.6m ² (4.91 x 6.43)
Protected Volume	16.64m ³	25.00m ³	33.33m ³
Protected Height	4.5m		
Net Agent Weight	8kg	12kg	16kg

Multiple Type

Model	8kg,2Sets	8kg,3Sets	8kg,4Sets	8kg,5Sets	8kg,6Sets	12kg,2Sets	12kg,3Sets	12kg,4Sets	16kg,2Sets	16kg,3Sets
Type of Actuation	Glass Bulb									
Operating Temperature	68°C									
Vertical Coverage	23.13m ² (4.9 x 4.72)	23.13m ² (4.9 x 4.72)	23.13m ² (4.9 x 4.72)	23.13m ² (4.9 x 4.72)	23.13m ² (4.9 x 4.72)	31.6m ² (4.91 x 6.43)	31.6m ² (4.91 x 6.43)	31.6m ² (4.91 x 6.43)	31.6m ² (4.91 x 6.43)	31.6m ² (4.91 x 6.43)
Horizontal Coverage	46.26m ² (4.9 x 4.72) x2	69.39m ² (4.9 x 4.72) x3	92.52m ² (4.9 x 4.72) x4	115.56m ² (4.9 x 4.72) x5	138.78m ² (4.9 x 4.72) x6	63.2m ² (4.91 x 6.43) x2	94.8m ² (4.91 x 6.43) x3	126.4m ² (4.91 x 6.43) x4	63.2m ² (4.91 x 6.43) x2	94.8m ² (4.91 x 6.43) x3
Protected Volume	33.28m ³	49.93m ³	66.57m ³	83.21m ³	99.86m ³	50.00m ³	75.00m ³	100.00m ³	66.66m ³	100.00m ³
Protected Height	Maximum 9.0 m									
Net Agent Weight	16kg	24kg	32kg	40kg	48kg	24kg	36kg	48kg	32kg	48kg



FORT-s1230 In-Cabinet Fire Suppression Systems

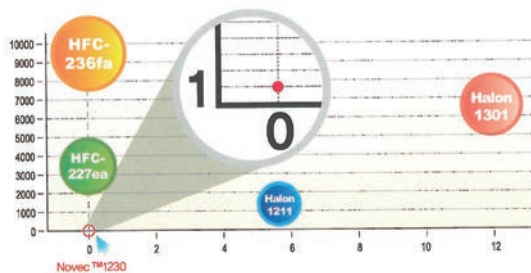
Introduction

FORT-s1230 Fire Suppression Systems utilizes proprietary flexible pneumatic, thermally sensitive tubing that is used as a detection device. The tubing is pressurized with dry nitrogen when it is put into service. The thermally activated tubing is temperature sensitive. The tubing is installed in the hazard area as a continuous linear detector that will rupture from flame impingement or when the temperature reaches the release point. The glass bulb type can be provided as an optional.

- Simple, Flexible, and Compact
- Installs Directly into high-risk equipment
- Automatically detects and suppresses fire as soon as it begins
- Reduces equipment damage and down time
- Highly dependable: no electricity or moving parts
- Simple and easy to install



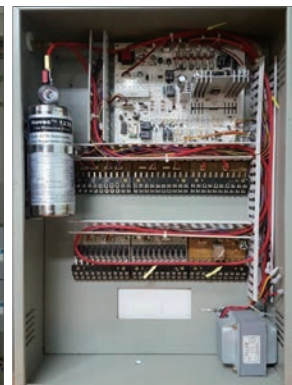
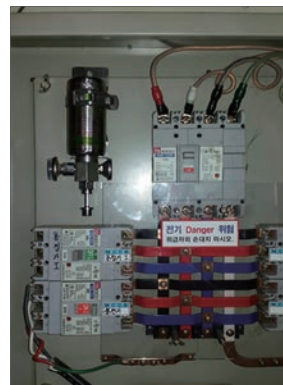
Novec 1230 Extinguishant



- Zero Ozone Depletion Potential
- Atmospheric lifetime of 5 days
- Global Warming Potential of 1
- Safe for sensitive, valuable assets
- Non-corrosive, compatible with typical system materials
- Long term tests complete
- No messy residue and no clean-up after discharge

Applications

- Laboratory fume/exhaust cabinets
- Machinery Spaces
- Small compartments
- Electrical and electronic hazards
- Paint lockers
- Telecommunication areas
- CNC & VMC Machining Centers
- UPS Units
- Transformer cabinets
- Other high value assets



FORT-s1230 Systems are designed for the following classes of fire:

- Class A Fires: Wood, plastics or other type material
- Class B Fires: Flammable liquids
- Class C Fires: Energized electrical equipment

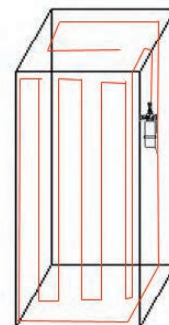
System Installation



[Case 1: Glass Bulb Type]



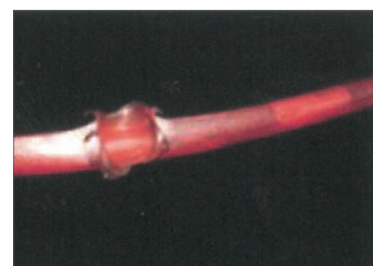
[Case 2: Glass Bulb Type]



[Case 3: Pressurized Tube Type]

System Specifications

Model	FORT-s1230 0.25	FORT-s1230 1	FORT-s1230 3
Agent Designation	Novec 1230 (FK-5-1-12)		
Net Agent Weight	0.25kg	1kg	3kg
Protected Volume	0.3m ³	1 m ³	5m ³
Unit Weight	0.7kg	2kg	5kg
Type of Actuation	Glass Bulb	Glass Bulb and/ or Pressurized Sensor Tube	Pressurized Sensor Tube
Temperature Rating	68°C	68°C / 145°C	145°C



System Operation

General

Compressed Novec 1230 (FK-5-1-12) agent is held in the cylinder by a discharge valve. When the discharge valve is actuated by an opening in the tubing due to flame impingement, the pressure drop in the tubing allows the valve to open and release the agent from the container to the hazard area through the piping network.

Post Fire Operation

After FORT-s1230 Suppression Systems discharge, one must observe all posted warnings, before entering the hazard area. Integrity of the hazard area must be maintained to prevent the migration of products of decomposition to adjacent areas outside of the protected space. After extinguishment, a minimum agent hold time of 10 minutes must be maintained in accordance with NFPA 2001. No one should enter the area until it is cooled down and the person in charge deems it safe to enter the protected space. When ventilating the protected space of products of combustion, care should be taken to allow smoke, decomposition products, etc., to clear the area; away from personnel or critical equipment.



Pressurized Tube Type



Glass Bulb Type

Scan a QR code to watch
an operation video.



FORT-SRFS Rack Mount Fire Suppression Systems

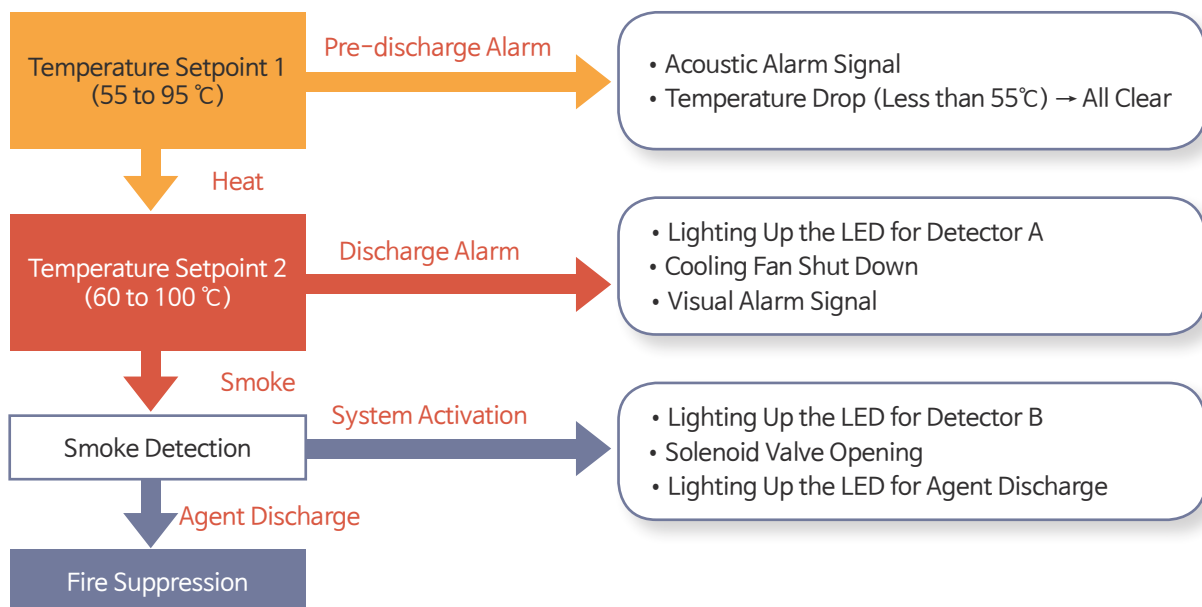
Introduction

FORT-SRFS is a pre-engineered rack mount fire suppression system, a self-contained fire detection and suppression unit designed to protect a 19" rack mount server cabinet.

FORT-SRFS provides 24 hour monitoring for both thermocouple and smoke detector operated by a control unit with a power supply and battery backup. 3M Novec 1230 Fire Protection Fluid is used to achieve rapid extinguishment.



System Operation



The systems is equipped with: Release, low-pressure indication, fan tray power and automatic shut-down.

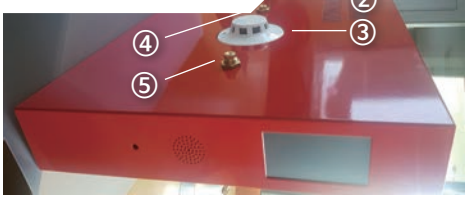
- Plug and Play Rack Mounted System
 - 2U X 19" Chassis Mounting
- Detection and Control
 - Thermal & Smoke Detection
- Clean Agent Extinguishing System
 - Utilizing 3M Novec 1230 Fire Protection Fluid
- Monitoring and Control
 - Monitored Alarm / Fault Circuits
 - Visual Alarm and Fault Status Indications
 - 24 Hour Battery Backup

System Components

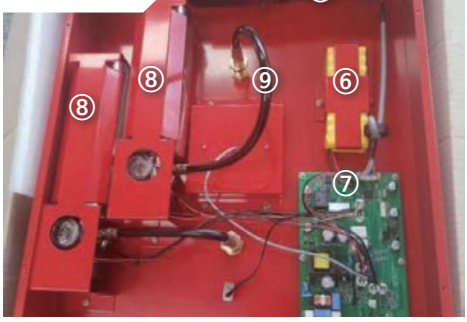
Front & Top View



Front & Bottom View



Inside View



No.	Item	Description
①	LCD (Front)	4.3" LCD, Pre-discharge & Discharge Alarm Temperature Setting, Manual Actuation and Event History
②	Thermocouple	Detector A
③	Smoke Detector	Detector B, KFI Approved
④	Nozzle 1	Nozzle for Agent Discharge
⑤	Nozzle 2	Nozzle for Agent Discharge
⑥	Battery Backup	24V, 600mA (24 Hour Backup Battery)
⑦	PCB Panel	Input-output Control
⑧	Agent Cylinder	Novec 1230 is stored as a liquid. 0.86L (1kg) x 2 Cylinders with Solenoid Valves
⑨	Flexible Tube	Connection between a solenoid valve and a nozzle
⑩	LCD (Rear)	Transmission of Event History

Applications

FORT-SRFS is the safest, easiest, and most cost efficient way to protect your valuable electronic assets, including:

- Data Centers
- Independent IT Racks
- Electrical Cabinets
- PLC's
- Audio Visual Equipment
- Telephone Connection Cabinets
- Labs

Novec 1230 Extinguishant

Safe and Sustainable Clean Agent

Novec 1230 Fire Protection Fluid is a next-generation halon alternative offering outstanding performance, a large margin of safety, and an excellent environmental profile.

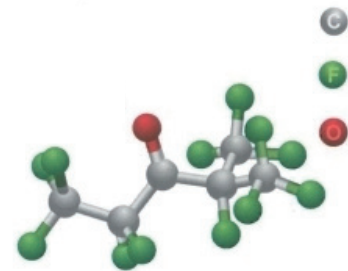
- Zero ozone depletion potential
- 5-day atmospheric lifetime
- Global warming potential <1
- Large margin of safety for occupied spaces

Novec 1230 Fire Protection Fluid is based on a proprietary chemical from 3M called a fluoroketone. The full chemical name for this compound is dodecafluoro-2-methylpentan-3-one. Its ASHRAE nomenclature – the way it is designated in the NFPA and ISO 14520 clean agent standards – is FK-5-1-12.

Novec 1230 fluid offers a unique combination of safety, low environmental impact and extinguishing performance, making it the only chemical halon replacement to offer a viable, long-term, environmentally sustainable technology for special hazards fire protection.

How does Novec 1230 fluid work?

Novec 1230 fluid extinguishes a fire before it starts by rapidly removing heat. In a typical total flooding system, the fluid is stored as a liquid in cylinders pressurized with nitrogen. Automatic detection sensors trigger release when the fire is at the incipient stage, extinguishing it in mere seconds. Novec 1230 fluid evaporates 50 times faster than water.



Novec™ 1230

Industry Listings and Approvals

Underwriters Laboratories Inc (ULI)	USA
Underwriters Laboratories CA (ULC)	Canada
FM Global (FM)	USA
Loss Prevention Certification Board (LPCB)	United Kingdom
Scientific Services Laboratories (SSL) Also called Certifire Pty Ltd	Australia
VdS Schadenverhütung (VdS)	Germany
Centre National de Prévention et de Protection (CNPP)	France
Korea Fire Institute (KFI)	Korea

Novec 1230 fluid is included in the 2018 edition of NFPA 2001, Standard on Clean Agent Fire Extinguishing Systems and the 2015-16 edition of ISO 14520, Gaseous Media Fire Extinguishing Systems. In each standard, it is referenced by the generic ASHRAE nomenclature FK-5-1-12.

Comparing Fire Protection Agents

Agent	Novec 1230	Halon 1301	HFC-125	HFC-227ea
Use Concentration	4.5-6%	5%	8.7-12.1%	6.7-8.7%
NOAEL ¹	10% ²	5%	7.5%	9%
Safety Margin ³	67-122%	Nil	Nil	3-34%
Global Warming Potential ⁴	<1	6290	3170	3350
Ozone Depletion Potential ⁵	0.0	12.0	0.0	0.0
SNAP ⁶ Approved	Yes	No	Yes	Yes

¹ NOAEL for cardiac sensitization

² NOAEL for acute toxicity, including cardiac sensitization

³ Safety Margin = (NOAEL - Use Concentration) / Use Concentration

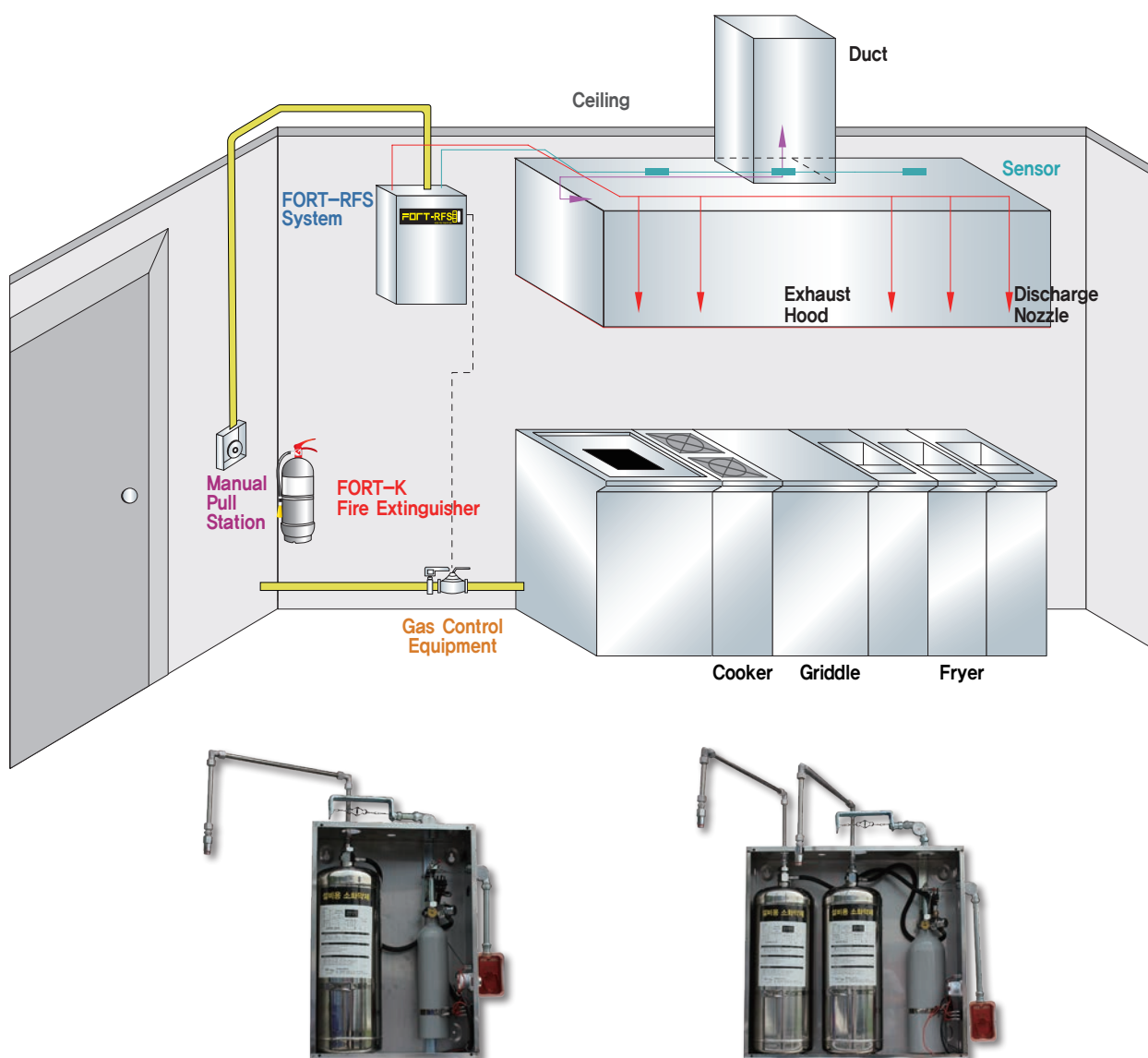
⁴ Intergovernmental Panel on Climate Change (IPCC) 2013 Method, 100-year ITG (CO₂=1)

⁵ World Meteorological Organization (WMO) 1998, Model-Derived Method

⁶ Significant New Alternative Policy Program

FORT-RFS Fire Suppression Systems

- FORT-RFS is an automatic fire extinguishing system, specialized in restaurant fires.
- Suppresses fire in the early stages and prevents fire from spreading.
- Capable of automatic detection and actuation as well as remote manual actuation
- Approved by Korea Fire Institute



▪ FORT-RFS I

▪ FORT-RFS II

Model	FORT-RFS I	FORT-RFS II
Agent Designation	Wet Chemical	
Net Agent Weight	14.5kg	29kg
Application	Cookers, Griddles, Fryers, Exhaust Hoods, etc.	

Choose FortTec Co., Ltd.

When? Whenever. Where? Wherever.

What? Whatever can be possible.

FORT-s125
Clean fire extinguishing medium automatic gas fire extinguisher
EPS/TPS application possible
Various product portfolio
(Covering area: 0~100m²)
Type certification complete
Max. installation height: 4.5m
(9.0m, if two sets are used in conjunction)

Cabinet type hose reel fire extinguishing equipment
CO₂
Superb for the initial fire suppression
Directly spraying on fire, after pulling the hose to the fire
Economic fire extinguishing equipment
Minimization of damages to expensive equipment

Cabinet type hose reel fire extinguishing equipment
HFC-125 50kg, 75kg, 100kg
(#14-1, #14-2, #14-7)
NOVEC-1230 80kg/14-3
Automatic fire fighting without the need for human effort, or during the night made possible
Fast installation without separate piping works
The valves and vessels are made in Korea.

FORT-125
Clean fire extinguishing medium fire extinguisher
Long-spray coverage
(JET FLOW SYSTEM)
Significant cost saving
Can be applied to inhabited areas
Performance certification obtained
(Installation 15-6, Installation 16-1)

FORT-CO₂
CO₂ fire extinguishing equipment
The only system for core fires
Fast and reliable fire extinguishing effect
Economy in cost
The first product to achieve performance certification in South Korea
(Installation 13-3)

Commercial kitchen fire extinguishing equipment
FORT-RFS First in the country to achieve performance certification (GA16-1)
Nitrogen pressurization type
Automatic smoke detection
ANSUL/PIRANHA
Automatic smoke detection and fire extinguishing - UL Certification
Directly imported from the United States

FORT-K
Reinforced liquid fire extinguisher
4 L for oil fires
Compliance with NFSC 101 NFPA
Easy operation and maintenance
K class, A class, and B class certification
Suitable for restaurants, hospitals, hotels, schools, and gas stations or other similar places

CEA-123
Clean fire extinguishing medium fire extinguisher
Superb fire extinguishing performance and price competitiveness
Various product portfolio
(2.5kg/3kg/3.5kg/4kg)
The valves and vessels are made in Korea.

FORT-236fa
Clean fire extinguishing medium fire extinguisher
Suitable for expensive equipment or semi-conductor equipment
No corrosiveness on rubber or plastic
(3.0kg/Hydrogen 16-20)
(3.5kg/Hydrogen 16-21)
The valves and vessels are made in Korea.

NOVEC-1230
Clean fire extinguishing medium fire extinguisher
The most environmentally friendly
No environment-related regulations applicable
Extinguishing medium manufacturer: 3M
Type certification complete
(Hydrogen: 09-16)
The valves and vessels are made in Korea.
Country of origin of the extinguishing medium The United States

BULMAN ZERO
Clean fire extinguishing medium Small fire extinguishing equipment
Environmentally-friendly
Certification
Superb for early-stage fires
Type certification complete
Size: 270g, 400g

Commercial kitchen
FORT-RFS
FORT-K

Plant/factories
FORT-CO₂

Exhibition facilities
HFC-125
FORT-125
NOVEC-1230
NOVEC-1230

Power stations/substations
FORT-CO₂
FORT-125

Household
FORT-K
BULMAN ZERO

These are where the fire extinguishing equipment of FORTTEC, a company that makes a safer world, is used.

THE BEST ENGINEERING COMPANY!

We, FORTTEC, have been endeavoring to make the world a safer and happier place through our R&D efforts into firefighting technology since our foundation in 2001. We will never stop working on our R&D to contribute to protecting your properties from fire. We will endeavor to make the world a safer place. Thank you.

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