



# flex™

AUTOMATIC CLEAN AGENT FIRE PROTECTION SYSTEM

MULTI-POINT SYSTEM



**SEV**  **SYSTEMS**  
*Safe Environmental Choice*

CLEAN AGENT FIRE SUPPRESSION SYSTEMS

## APPLICATIONS

Electrical Cabinets

Telecommunications Areas

Data Processing Areas and Cabinets

UPS Units

Pump Enclosures

Laboratory Fume/ Exhaust Cabinets

Flammable Chemicals Storage Cabinets

Generator Enclosures

Transformers Cabinets

Libraries & Museums

Archives

Switch Gear Cabinets

## FLEX MULTI-POINT SYSTEM



### 1. Quick & Easy installation directly inside the hazard:

The flexible sensor tubing is easily installed inside the electrical cabinet - directly above the wires and circuitry where a fire could start.

The tubing is pressurized with dry nitrogen to 16.5 bar (240psig) The dynamics of pressurization make the tubing more reactive to heat.

### 2. Early fire detection:

If a flame-up occurs, the heat of the fire causes the pressurized sensor tube to burst at the hottest spot 230°F (approx. 110°C)

### 3. Instant suppression:

The sudden tube depressurization actuates the special pressure differential valve and instantly floods the entire cabinet area with CO extinguishing agent. The fire is quickly suppressed just moments after it began... minimizing damage and downtime.



Manual Actuator



Electric Actuator

### Why SEVO Flex?

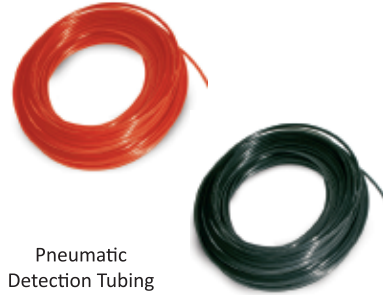
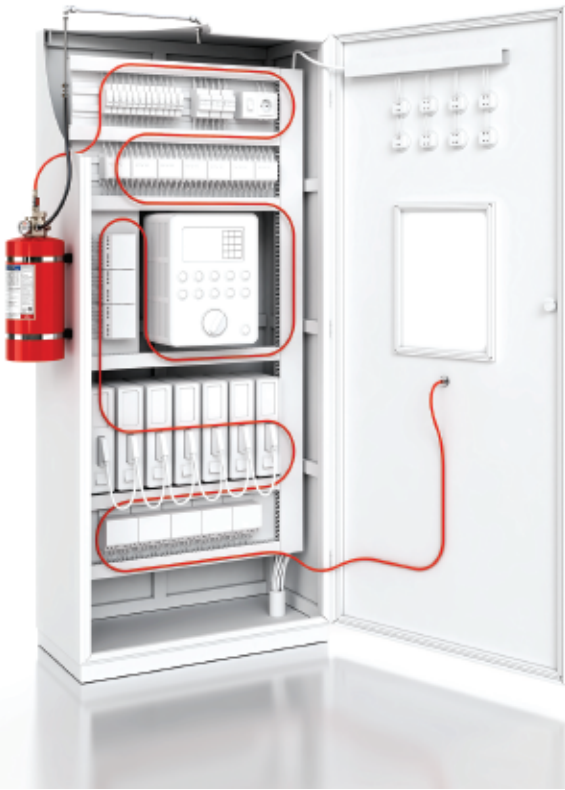
- Simple, Flexible, and Compact
- Installs Directly into high-risk equipment
- Automatically detects and suppresses fire as soon as it begins
- Reduces equipment damage and down time
- Highly dependable: no electricity or moving parts
- Simple and easy to install



Cylinder Sizes	Novec 1230 (Kg/Lbs)	Part Numbers	Volume Coverage (M <sup>3</sup> / Ft <sup>3</sup> )
3	1.4 / 3	FLEX LO300	2.2 / 77.2
7	3.2 / 7	FLEX LO700	5.1 / 180.2
14	6.4 / 14	FLEX L1400	10.2 / 360.3



## FLEX MULTI-POINT SYSTEM



Pneumatic  
Detection Tubing

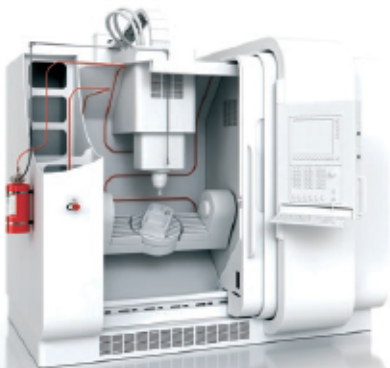
### Pneumatic Detection Tubing

The pneumatic detection tubing is temperature sensitive and acts as a continuous linear thermal detector that ruptures at approximately 230°F (110°C) guaranteeing early detection and rapid extinguishment.



### Nozzle

The nozzle controls the flow of and distributes the 3M™ Novec™ 1230 Fire Protection Fluid into the hazard area. SEVO Systems unique nozzles are available in brass 360° dispersal patterns; each nozzle has predetermined discharge orifices to meet the flow requirements of the pre-engineered systems.



The SEVO Flex Multi-Point System is designed to meet the rapid discharge time (up to 10 seconds) in accordance with NFPA 2001. Multi-Point provides partial and / or local flooding of single or multiple hazards.





3M™ Novec™ 1230 Fire Protection Fluid is based on sustainable technology, designed to balance industry concerns for human safety, performance, and the environment. This unique agent is an advanced replacement for halon and first generation halon alternatives.

For more information on the benefits of Novec 1230 Fluid, please visit [3M.com/Novec1230fluid](http://3M.com/Novec1230fluid).

## 3M™ Novec™ 1230 Fire Protection Fluid

3M's Blue Sky<sup>SM</sup> Warranty is a 20-year protection against regulatory bans or restrictions on the use of 3M™ Novec™ 1230 Fire Protection Fluid

**A long-term, sustainable technology**

With zero ozone depletion potential, extremely low global warming potential and short atmospheric lifetime, Novec 1230 Fluid is the first chemical halon replacement to offer a viable, long-term, sustainable technology for special hazards fire protection.

ENVIRONMENTAL PROPERTIES	NOVEC 1230	Halon 1301	HFC-125	HFC-227ea
Ozone Depletion Potential <sup>1</sup>	0.0	12.0	0.0	0.0
Global Warming Potential <sup>2</sup>	1	7140	3500	3220
Atmospheric Lifetime (Years)	0.014 (5 Days)	65	34.2	29
SNAP (Yes/No)	Yes	N/A	Yes	Yes

<sup>1</sup> World Meteorological Organization (WMO) 1998, Model-Derived Method

<sup>2</sup> Intergovernmental Panel on Climate Change (IPCC) 2007 Method, 100-year 1TH



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