

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

PNEUMATIC ACTION

The SEVO Flex Multipoint Pre-Engineered Automatic Clean Agent Fire Suppression System utilizes unique flexible detection tubing attached to the top of the cylinder valve. This tubing is pressurized with Nitrogen to 240PSIG (16.5 bar) to maintain cylinder valve closure. The detection tubing is temperature sensitive and acts as a continuous linear thermal detector that ruptures at designated temperatures. When the tubing ruptures, the cylinder valve is actuated, allowing Novec 1230 fluid to flow through the discharge piping, distributing the extinguishing agent through the nozzle(s) into the hazard area.

COMPATIBLE COMPONENTS:



Manual Actuator



Pneumatic Detection Tubing



Integrated Manual Actuator

ELECTRICAL ACTUATION

The SEVO Flex Electrical Actuation System utilizes a fire alarm control panel that uses a variety of initiating devices including thermal line detector with a range of temperatures. An electric solenoid on the valve will discharge the system to safeguard the asset being protected. The SEVO Systems control panel features options such as cellular dialing capabilities and integration into the building fire alarm panel.

COMPATIBLE COMPONENTS



Control Panel



System Sensor Detectors



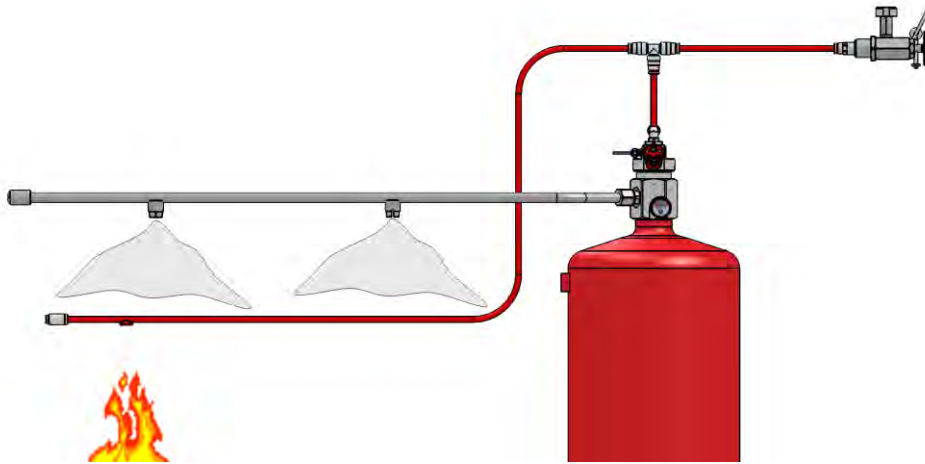
Linear Heat Wiring

Cylinder Sizes	Novec 1230 (Kg/Lbs)	Part Numbers	Volume Coverage (M ³ / F ³)
3	1.4 / 3	FLEX FO300	2.3 / 81
6	2.7 / 6	FLEX FO600	4.5 / 158
12	5.4 / 12	FLEX F1200	9.0 / 318
20	9 / 20	FLEX F2000	14.8 / 523

*For Class A hazards according to NFPA 2001



FLEX MULTI-POINT SYSTEM



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

3M's Blue SkySM 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 ¹	0.0	12.0	0.0	0.0
Global Warming Potential ²	1	7140	3500	3220
Atmospheric Lifetime (Years)	0.014 (5 Days)	65	34.2	29
SNAP (Yes/No)	Yes	N/A	Yes	Yes

¹ World Meteorological Organization (WMO) 1998, Model-Derived Method

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

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.



SEVO Systems distribution
is established in over 55 countries,
on six continents.



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HEADQUARTERS

14335. W. 97th Terrace
Lenexa, KS. 66215 USA

www.SEVOSystems.com
Info@SEVOSystems.com
+1.913.677.1112

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