



OneU® Active Extinguishing System

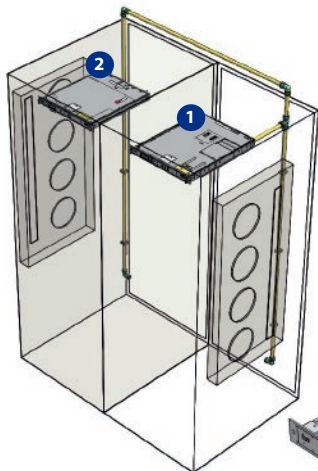
Comprehensive Protection That Fits Inside A 19" Server Rack

The OneU® active extinguishing system is a compact and independent unit uniquely designed to detect and extinguish fires in closed 19" cabinets.

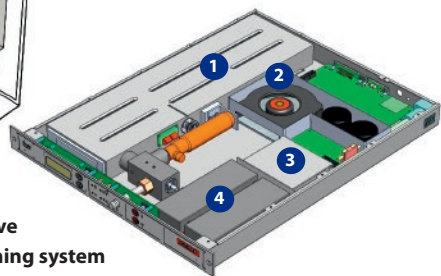
With its height of only 1U (1.75") and width equal to a 19" rack, the OneU provides complete fire protection against shorts, overloads, overheating, and component failures without robbing space from IT components and equipment. The OneU is perfect for Server, Network or Telecommunication Cabinets as well as for Production Control Cabinets in industrial applications.

Operation and Features

The OneU is a sensitive smoke aspiration system with two permanently monitored fire detectors that continuously take air samples from within the cabinet. The OneU detects an incipient fire and operates in two states: On pre-alarm, power circuits can be switched off simultaneously with the alarm signal, isolating supporting electrical energy. On fire alarm, the extinguishing system is activated and 3M™ Novec™ 1230 extinguishing agent vaporizes at the nozzle and is distributed throughout the cabinet to rapidly extinguish the fire without leaving any agent residue.



- 1 OneU active extinguishing system monitors two cabinets with one sampling pipe, to activate
- 2 a separate OneU ED extinguishing device.



OneU active extinguishing system

- 1 Agent container with release mechanism and discharge nozzles
- 2 Smoke aspiration system with two sensors
- 3 Power supply
- 4 Battery buffer

System Components:

- An extinguishing agent container with agent monitoring and discharge nozzle
- Seven pounds of 3M™ Novec™ 1230 to protect up to 100 cubic feet cabinet volume
- A battery-buffered emergency power supply
- Evaluation and control systems
- Outputs for external alarm equipment and for external power shut downs
- Control panel with display, alarm, fault and status LEDs and operating keys
- Display with detailed alarm and fault information - separate outputs are available to activate external audible or visual alarms

Trusted above all.™



The OneU® Product Family

Clean, Compact, and Sustainable Server Protection

OneU, OneU DD and OneU ED models provide flexibility and expandability. The OneU DD smoke aspirating system has the same features as the OneU active extinguishing system without the 3M™ Novec™ 1230 agent container. OneU DD can take air samples for smoke analysis from up to five cabinets, and can activate up to four OneU ED systems or any external extinguishing system. OneU ED extinguishing systems include a seven pound 3M™ Novec™ 1230 agent container, activated to discharge either by a OneU active extinguishing system or the OneU DD smoke aspirating system. Various combinations are available to protect up to five combined cabinets.

OneU® Family Features			
	OneU Active Extinguishing System	OneU DD Smoke Aspirating System	OneU ED Extinguishing System
Height Fitting Dimension 1U (1.75")	•	•	•
Smoke Aspirating System	•	•	
3M™ Novec™ 1230 Agent Container	•		•
Power Supply and Battery Backup	•	•	•
Monitored Output Visual and Audible Alarm	•	•	•
Dry Contacts for Power Down Circuits	•	•	•
Display and Control Panel	•	•	
Ethernet - Network	•	•	•

*Power Supply through OneU Active Extinguishing System or OneU DD Smoke Aspirating System

The Perfect Cabinet Fire Protection Solution:

- Highly sensitive smoke detection and fire extinguishing without residues or harm to sensitive electrical equipment
- Space saving installation without feature, quality or reliability limitations
- All OneU family products are VdS approved



Width 19" (483mm) / Height 1.73" (44mm) / 1U

The OneU Active Suppression System employs safe and environmentally-friendly clean agent 3M™ Novec™ 1230. This highly effective fire suppressant has low toxicity; an atmospheric lifetime of five days; zero ozone depletion; and significantly lower global warming potential than other agents. 3M™ Novec™ 1230 will not damage electronics and leaves no residue behind, which dramatically reduces clean-up and minimizes downtime of critical assets.

The Viking Corporation

210 N. Industrial Park Drive, Hastings, MI 49058

Telephone: (877) 384-5464

www.vikinggroupinc.com

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