

# Nominee: 3M Novec™ 1230 Fire Protection Fluid by Kidde Fire Protection

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## Nomination title: KFP 3M Novec 1230 Fire Suppression Sys

3M Novec™ 1230 Fire Protection Fluid is a fast responding fire suppression agent which aids protection against the loss of critical data. 3M Novec™ 1230 fluid discharges as a colourless, electrically non-conductive and non-corrosive gas that does not damage sensitive equipment. There is no post-discharge residue, no costly clean-up operations are required, and down-time is kept to a minimum. The fluid is safe for live electronics, preserving continuity of operation in the process of protecting against a fire threat. It is an advanced clean extinguishing agent used to protect high-value assets such as data centres, computers, artefacts, cameras and other critical devices. The fluid does not damage sensitive electronics or delicate documents and it does not leave residue behind. It has been designed to balance industry concerns for performance, human safety and the environment, 3M Novec™ 1230 fluid is ideal for use in data centres and telecommunications applications. Kidde Fire Protection hardware range makes the delivery of 3M Novec™ 1230 Fire Protection Fluid achieve its optimum performance and by using Kidde Fire Protection tried and trusted range of 25 bar equipment Kidde Fire Protection 3M Novec™ 1230 Fire Suppression System will be a cost-effective Fire Suppression System that is vital for any data centre protection. The Kidde Fire Protection system comprises 3M Novec™ 1230 fluid stored in steel cylinders connected to distribution pipework and specially designed discharge nozzles. 3M Novec™ 1230 fluid is stored as a liquid super-pressurised to 25 bar with nitrogen. This allows efficient transport and vapourisation of the Novec fluid, allowing flexible system design. These systems have minimal storage space and weight requirements compared to other viable gaseous agents. The range of cylinders, valves and related components has been specially selected for use with 3M Novec™ 1230 fluid and has been subjected to stringent testing procedures. Flexibility, quality and reliability make the Kidde Fire Protection range the world's finest in fire safety. Engineered systems are designed using FM Global and UL verified software and guidelines, and offer optimum designs for the defined risks with reduced pipe sizes, unbalanced flows and common room and void protection possible. 3M Novec™ 1230 fluid has an ozone depletion potential of zero, and a global warming potential of one. It enables facilities managers a 99.9 percent reduction in greenhouse gas emissions in critical function fire suppression as compared to systems using HFCs. 3M Novec™ 1230 fluid has an atmospheric lifetime of only five days compared with more than 30 years for HFCs. And, it is the only product of its kind with the unique global 20-year Blue SkySM Warranty offered by 3M.

## Why nominee should win

- 1) Exceptional Fire Suppression System for protection of critical electronic equipment, no post discharge residue, no costly clean-up operations
- 2) 3M Novec™ 1230 fluid is the only product of its kind with unique global 20 year Blue SkySM Warranty
- 3) Kidde Fire Protection hardware allows efficient transport and vapourisation of 3M Novec™ 1230 fluid
- 4) Kidde Fire Protection 3M Novec™ 1230 Fire Suppression System balances the industry concerns for performance, human safety, environment
- 5) Range of equipment - cylinders, valves, related components has been specially selected for use with 3M Novec™ 1230 fluid, has been subjected to stringent testing procedures