



ADS™ Clean Agent Fire Suppression System with 3M™ Novec™ 1230 Fire Protection Fluid



**FIRE PROTECTION FOR
POWER GENERATION
FACILITIES**

 **Kidde**
Fire Systems



One united company. Advancing fire protection.

Since
1917

WE ARE KIDDE FIRE SYSTEMS

Kidde Fire Systems' products save people and property from the dangers of fire. Our broad product offering and design expertise have been protecting assets worldwide since 1917. We're the smart choice when early fire detection and suppression needs are especially demanding. To advance our leadership in the industry, our family of special hazard fire protection brands has united. Kidde Fire Systems now incorporates Chemetron Fire Systems and Fenwal Protection Systems. As Kidde Fire Systems, we will enhance our customer focus and partnerships, provide highly efficient service and training, preserve a deep combined expertise in an array of vertical markets, and accelerate our product and technology developments, to the advantage of everyone who benefits from a world made safer from fire.



THE KIDDE ADVANCED DELIVERY SYSTEM WITH NOVEC 1230

The Kidde ADS Clean Agent Suppression System with Novec 1230 uses a unique approach to deliver the agent to the hazard area. By using an external Nitrogen (N₂) source to drive the Novec, we dramatically improve the agent delivery. Utilizing super-pressurized Novec fluid propelled by one or two external Nitrogen drivers, the ADS Novec system easily achieves best-in-class performance in every category where it matters:

- pipe length from storage to protected area
- discharge nozzle coverage area and
- discharge nozzle height from floor.

By using ADS with Novec, you will have the capability to deliver Novec 1230 agent from central storage agent banks to a distance greater than 200 feet (61 m) into complex multi-hazard pipe networks via directional valves.

Kidde's patented ADS nozzles maximize pressure utilization and are able to cover sub-floors of up to 42.5' x 42.5' (12.95m x 12.95m) with a single nozzle. Improved agent vaporization allows nozzles to be mounted 18.5' (5.64m) above the floor deck thereby enabling tall rooms to be protected by a single level of nozzles.

No other competitor currently offers best-in-class performance in all three categories in one hardware platform.



KIDDE ADS WITH NOVEC IS THE WINNING TECHNOLOGY

Why? Because the winning technology provides the most installation flexibility with:

- Best In Class Distance to Hazard
- Best in Class Nozzle Coverage
- Best in Class Nozzle Height at the Best Value...

This dramatic improvement in flow performance allows the designer the most flexibility when it comes to placement of the storage cylinders & nozzles and the selection of pipe size.

The result? Lowest total cost of ownership for medium to large protected spaces in power generation facilities protecting control rooms, PLC rooms, and mechanical switch rooms when clean agents with ozone depletion potential of zero, global warming potential of 1 and 5 days atmospheric lifetime are specified.

With cULus listing, FM approval in hand, the Kidde ADS with Novec system is available and shipping for use in all of your power generation applications.





ADS System with Novec 1230

EXTRA NITROGEN GIVES YOU MORE COVERAGE WHILE REDUCING INSTALLATION COSTS

What do you get when you combine 3M Novec 1230 Fire Protection Fluid stored at 360 PSI with Nitrogen at 1,800 PSI? The Kidde ADS Clean Agent Suppression System with Novec 1230 Fluid. This results in the best coverage, highest nozzle and longest pipe runs available on the market.

CENTRALLY-LOCATED CYLINDER BANKS

Finding the proper storage area for your clean agent cylinders near your protected space can be problematic. With the Kidde ADS system, the cylinders can be stored more than 200 feet from the protected space. This gives you the flexibility to protect multiple hazards from a single cylinder bank location. Piping runs can be reduced by adding directional valves at strategic locations.

STILL NEED TO REPLACE HALON?

The Kidde ADS with Novec system was designed to be a virtual “drop-in” replacement for existing Halon 1301 systems. Most installations will require only new nozzles and agent storage cylinders and can use most of the existing pipework — providing substantial savings when retrofitting an existing system.

KIDDE ADS SYSTEM WITH NOVEC 1230 FLUID FEATURES:

- Increased agent flow rates and distances provide better coverage for larger hazard areas
- Enhanced performance and versatility - use with 3-way directional valves for economic protection of multiple enclosures
- Nozzle placement up to a height of 18' 6"
- Nozzle coverage area of 42' 6" x 42' 6"