



# FIREDETEC

COMPACT PRE-ENGINEERED CLEAN AGENT SYSTEMS

Distributed by:

**Rotarex North America, Inc.**  
221 Westec Drive, Mount Pleasant, PA 15666  
Tel. 724 696 4340, Fax. 724 696 3352  
[www.firedetecsystems.com](http://www.firedetecsystems.com)

 **ROTAREX**  
NORTH AMERICA

# Getting closer to where fires start

Rotarex North America has drawn on decades of experience in the fire protection industry to bring you FireDETEC: a ready-made and highly cost-effective fire suppression system which, when using our simple four-step system calculation guide, you can install directly into any high-risk machinery or equipment.



**SYSTEM SPECIFICATION GUIDE**  
Visit us at [www.firedetecsystems.com](http://www.firedetecsystems.com) and download our system calculation guide.

## How FireDETEC systems work

### Flexible sensor tubing

Highly flexible tubing is installed directly among circuitry and mechanics in many different types of machines and enclosure. The tubing is pressurized with nitrogen holding down the valve piston.

### Detects fire in seconds

The heat produced by, or coming immediately before, a fire causes the tube to burst at the hottest point (approx. 230 °F, 110 °C), releasing pressurized nitrogen, moving the piston, and opening the valve assembly.

### Fast suppression

The pressure differential valve opens, agent flows through the piping network and is discharged through the nozzles within seconds, suppressing the fire, minimizing damage and repair downtime.



# HFC-227ea Systems

HFC 227ea is a clean extinguishing agent used to protect sensitive or critical equipment. FireDETEC HFC 227ea Systems can be found in banks, computer suites, museums, clean rooms, laboratories and hospitals. HFC 227ea gaseous agent has 0% ODP (Ozone Depletion Potential),

With HFC 227ea there is no post-fire residue or clean up required, no damage to protected equipment and the agent is electrically non-conductive. HFC 227ea is SNAP Listed and recognized by top independent listings and approval agencies.



**CNC machine enclosures**



**Fume hoods**



**Electrical control cabinets**



## HFC-227ea Combining value & performance

FireDETEC pre-engineered systems provide easy-to-fit, exceptional clean agent protection for critical machinery and equipment, suitable for cabinet, vehicle, communication, small enclosure and machine fire protection. FireDETEC's flexible tube technology detects and triggers immediate release of the agent, ensuring rapid fire suppression. Available with HFC-227ea fire-fighting agent, FireDETEC systems are compact, cost effective and extremely easy to install.

### INSTALLATION APPLICATIONS

- Electrical control cabinets/CNC machine enclosures
- Engine compartments/Fume hoods
- Flammable liquid storage
- Critical electronic enclosures
- Medical laboratory/test/production equipment
- Vending machines/Escalators
- Generator rooms/Fume cabinets
- Cable ducts/Transmitters
- Heavy plant and automated machinery
- Vehicle and boat protection

HFC 227ea Systems	
Part #	Agent Size
B07014500	3 lb
B07014501	7 lb
B07014502	14 lb



Class A



Class B



Class C



**24/7 PROTECTION**

Automatically detects and suppresses fires at the source in seconds, without electronics.



**PLUG & PLAY SIMPLICITY**

Six ready-made clean agent systems available – pre-tested, pre-approved and configured to meet most applications.



**FAST & EFFECTIVE**

When fire starts, the tube bursts, releasing the agent immediately, preventing equipment damage and minimizing down time.