



# AKRONEX

**INTERNATIONAL**

**Micro Gas Pre-Engineered Systems**  
**ELECTRICAL ENCLOSURES**

Fire Protection Solutions

# AKRONEX Micro Gas Pre-Engineered Systems

## THE PROBLEM

Electrical enclosures can be found in virtually every industrial or commercial space.

In some cases the enclosure might be a single or small panel while in others it may involve a large room filled with electrical boxes. Should a fire occur in one of these cabinets, it would typically destroy the contents, but left unchecked the fire could spread to the room or even the building.

Regardless of the number of enclosures, AKRONEX Micro Gas Pre-Engineered Systems offer a reliable cost-effective method to contain and isolate a fire to the enclosure itself.

Typical enclosures include:

- Motor control centers
- Electrical panels
- Control closets
- Wiring harnesses
- Cable trays
- Power vaults
- UPS
- Transformers

Some of the most common sources of fire in electrical enclosures include:

- Wire fatigue
- Improper installation
- Overloaded circuits
- Equipment failures
- Other environment causes

## THE AKRONEX SOLUTION

Because AKRONEX Micro Gas Pre-Engineered Systems take the fire detection and suppression inside of the hazard, a growing fire can be caught quickly, preventing the spread of fire to other parts of the building that would require firefighters or water sprinklers to extinguish.

By containing the fire to the individual enclosure damage is limited to that enclosure or even the affected component and the collateral damage often caused by traditional fire suppression is avoided.

## AKRONEX MICRO GAS PRE-ENGINEERED SYSTEMS ADVANTAGES



Highly reliable in harsh environments - tolerant of dirt, debris and temperature extremes.



Requires no electricity offering uninterrupted service 24/7.



Sounds alarm and can send an alert to your monitoring system.



Eliminates concern for false alarm or false discharge.



Provides immediate detection and delivery.



Allows for inexpensive installation, maintenance and recharge.



Tubing can easily be routed to virtually any location in the cabinet to provide fast, accurate detection.



## HOW IT WORKS

From localized fire protection for electrical equipment to total flooding fire protection for equipment rooms, AKRONEX has a fire suppression system for you.



### MICRO GAS PRE-ENGINEERED DIRECT RELEASE SYSTEMS

In Direct release systems, the tubing nearest the hottest point of the fire ruptures, forming an effective discharge "nozzle." The agent contained in the cylinder is then released in the immediate proximity of the fire.



### MICRO GAS PRE-ENGINEERED INDIRECT RELEASE SYSTEMS

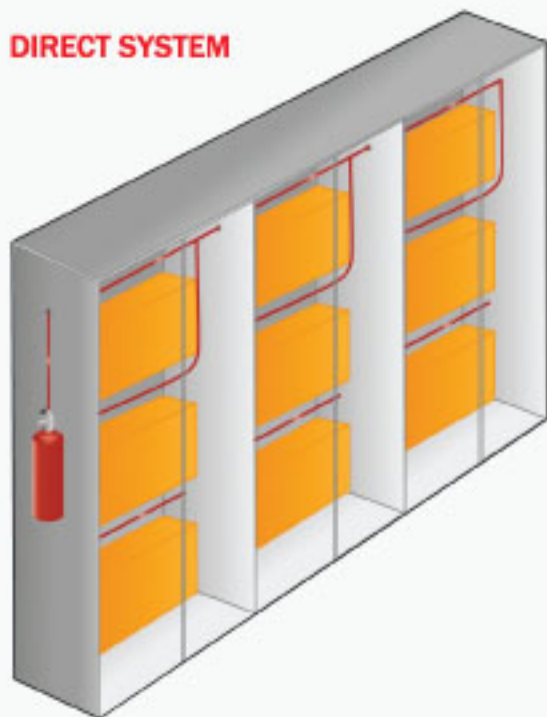
With an Indirect release system, the AKRONEX tubing is used only for detection. When a fire causes the tubing to burst, a valve opens and the suppressant is discharged via a traditional distribution network and fixed nozzles.

### AKRONEX DETECTION TUBING

AKRONEX Detection Tubing is ideal for fast, reliable detection of heat and flame even in the toughest applications.



### DIRECT SYSTEM



— Akronex Detection Tubing

### INDIRECT SYSTEM



- Akronex Detection Tubing
- Discharge Piping
- Discharge Nozzle

## AKRONEX CLEAN AGENT AUTOMATIC FIRE SUPPRESSION SYSTEMS

AKRONEX also offers the industry leading AKRONEX 227 and AKRONEX FK-5-1-12 Fire suppression Systems, which are capable of protecting entire rooms, the unique characteristics which allows the use of lower-cost, low pressure equipment while achieving the performance of more costly high-pressure systems. AKRONEX offers increased design flexibility and lower labor, piping and installation costs. AKRONEX systems can be sized for any room. The systems can be activated either manually or automatically. AKRONEX systems are also available with FM-200 clean fire suppressing agent.

# AKRONEX<sup>®</sup>

## INTERNATIONAL

### AKRONEX DISTRIBUTORS WORLDWIDE

*Providing hazard analysis, quotations, installations, service and support on AKRONEX systems, to reliably and effectively protect your assets.*

*From the adaptable pre-engineered systems using the world-renowned AKRONEX Detection Tube to protect critical equipment and enclosures to the innovative new AKRONEX Fire Suppression Systems providing a new level of flexibility in system design.*

- X Airports**
- X IT Infrastructure**
- X Mass Transit**
- X Ports and Intermodal Facilities**
- X Oil & Gas**
- X Mining**
- X Wind Energy**
- X Military**
- X Pharmaceuticals**



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