

AKRONEX[®]

INTERNATIONAL



AKRONEX 227

Clean Agent Fire Suppression Systems

Worldwide Solutions



www.akronex.com

AKRONEX 227 Fire Suppression Systems

It is a more ideal solution to use clean-gas fire-extinguishing technology where water is more harmful than fire for data, devices and people. All products are designed and certified according to national and international standards. Compared to conventional systems, the benefits of Akronex 227 include:

- Faster than water extinguishing systems
- Safe for human life, environmental, extended life suppressant,
- No residue, No waste,
- Prevents damage caused by smoke, ash, and wetness,
- Does not damage protected equipment and objects.
- Not conductive, does not damage the operating function of electronic devices.



Activity Areas

- Data, Telecommunication, Information Centers
- Energy Sector and Auxiliary Industries
- Museums, Libraries, Schools, University Campus
- Wind Power, Hydro Power, Solar Power Plants
- Manufacturing Sector, Logistic Centers
- Oil, Gas and Hydrocarbon Industry
- Hospitals, Health Industries
- Public Institutions
- CCTV Rooms, Electrical Rooms
- Geothermal Power Plants



It allows to use various detection methods according to ambient conditions of enclosed volumes. The smoke detector, heat detector, rate of rise heat detector, linear type heat detector, flame detector or spark detector can be used according to the device or the data in the area.

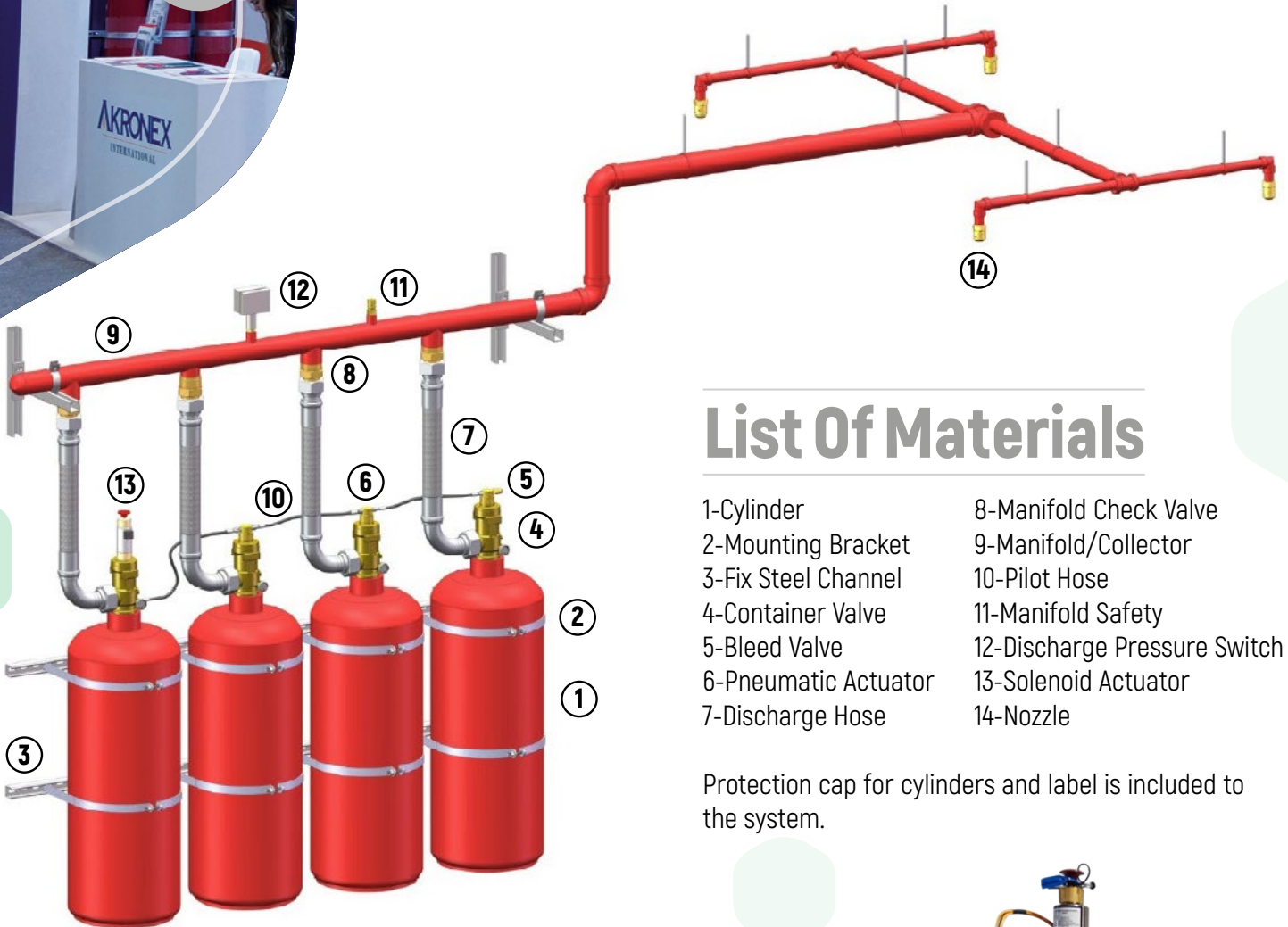
Different Detect Solutions

Fast Suppression

It detects fire precisely and quickly from the first phase of the fire. The detection zone, which works with the cross zone principle, allows detection of two zones and discharges HFC-227ea gas to the area in less than 10 seconds. Thus, the extinguishing process is started and the extinguishing process is completed if the gas remains in the place for at least 10 minutes.

AKRONEX 227

Modular Systems



List Of Materials

- | | |
|----------------------|------------------------------|
| 1-Cylinder | 8-Manifold Check Valve |
| 2-Mounting Bracket | 9-Manifold/Collector |
| 3-Fix Steel Channel | 10-Pilot Hose |
| 4-Container Valve | 11-Manifold Safety |
| 5-Bleed Valve | 12-Discharge Pressure Switch |
| 6-Pneumatic Actuator | 13-Solenoid Actuator |
| 7-Discharge Hose | 14-Nozzle |

Protection cap for cylinders and label is included to the system.

System Cylinder Capacities (25 Bar - 42 Bar)

DN33 Valve Cylinders

16,6 Liters 28,3 Liters

40 Liters 60 Liters

DN49 Valve Cylinders

80 Liters 120 Liters

150 Liters 170 Liters

Cylinder capacities may differ in special projects and situations.



Gas

Name
HFC-227^{ea}

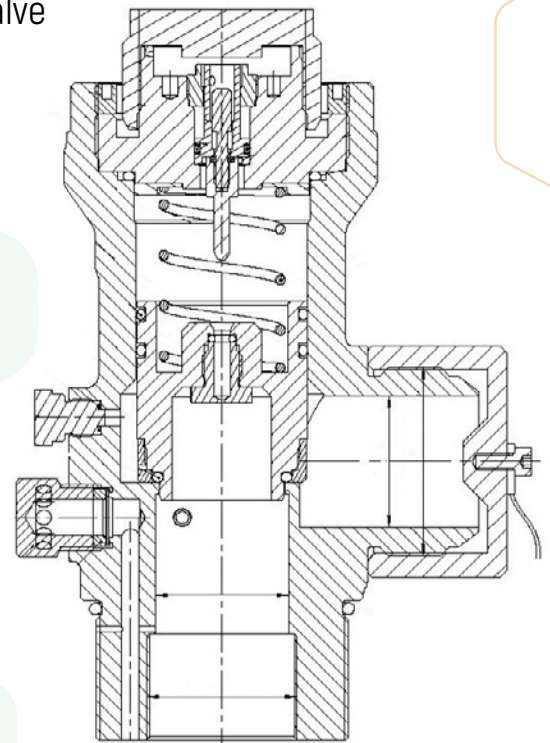
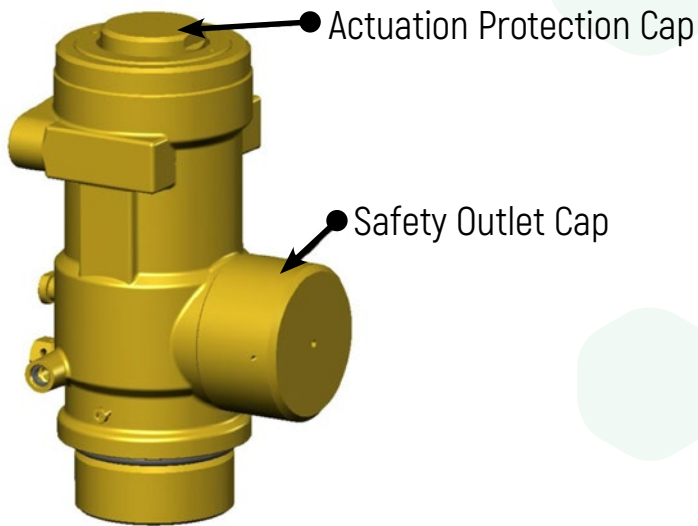
Akronex 227 Valves



DN33 Valve



DN49 Valve



	DN-33 Valve	DN-49 Valve
Material	Brass	Brass
Weight	4.9 Kg	9.5 Kg
Working Pressure	25 Bar - 42 Bar	25 Bar - 42 Bar
Working Temperature Range	-20 °C to +60 °C	-20 °C to +60 °C
Pressure Gauge Connection	M10x1 or NPT 1/8	M10x1 or NPT 1/8
Pilot Pipe Connection	G1/8	G1/8
Solenoid Actuator Connection	M42X1.5	M42X1.5
Valve Outlet Connection	1.875" - 12UN	2.5" - 12UN
Valve Inlet Connection	2.5" - 12UN	3" - 12UN



Stop Button



Battery



Sounder / Flasher

ELECTRONIC SYSTEM PARTS

EP203 Automatic Extinguisher Panel



Approvals/certifications	Certified to EN12094-1 and EN54-2/4 by the LPCB (176c) / (0832-CPD-0794).
Mains supply	230V 50/60Hz.
Mains rated current	810mA max.
Internal power supply	19V-28.5V (27V nominal). Ripple 7V maximum (battery fault)
No. of detector zone circuits	3 @ 19-28Vdc (Max. length per circuit is 250m)
Product dimensions (mm)	439 W x 276 H x 70 D mm (back box); 467 W x 293 H x 29 D mm (lid).
Weight	4.2kg (without batteries).
Operating conditions/temperature	-5°C to +40°C. Max relative humidity: 95%.
IP Rating	IP30.

Enclosure Integrity Test

NFPA 2001 requires an enclosure integrity test to check for air leaks and holding times as part of the system acceptance procedure. This test can be carried out using a calibrated blower door fan test unit by certified tester.



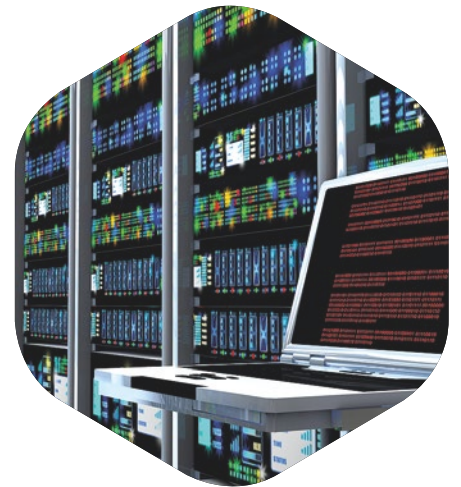
Product Code	Explanation	Specifications
ECO 1000	Detector Base	<ul style="list-style-type: none"> •Low profile design •Low current draw •Operates on 12 and 24VDC Systems •Remote alarm test feature •Easy Maintenance
ECO 1002	Multi Criteria Photoelectric Smoke / Thermal Detector	
ECO 1003	Photoelectric Smoke Detector	
ECO 1005	Rate of Rise Thermal Detector	



Smoke, Thermal and Multi Detectors

HFC-227ea Environment Friendly Fire Extinguishing Gas

While the world is making rapid technological progress, at the same time people are in a race against adverse effects on ecological balance.



AKRONEX International Fire Engineering Inc.

AKRONEX International was established in 2007 and operates in the fire sector, which has become a must in technology age.

Our company, which specializes in "Automatic Fire Extinguishing Systems", attaches great importance to the research and development which is the necessity of information age, and follows the technological developments in the world closely and adopts the principle of producing service with the latest products with international qualifications and approvals.

AKRONEX International, which exports to many regions of the world, continues to increase its production and communication through this export network.

OUR MISSION

AKRONEX International has made the principle of producing environment friendly products with constantly thinking of innovation by investing in research and development to make continuous production of national and international standards.

OUR VISION

By providing fully promote our brand communication, strengthened in the international area, Becoming Turkey's leading manufacturers in the production of Automatic Fire Extinguishing Systems and compete with the world-class brands.



AKRONEX
INTERNATIONAL



AKRONEX



People who benefit more from nature and world blessings by the development of technology have also caused to occur pollution at the same time.

HFC-227ea (Clean Agent) and fire protection systems are a responsible choice to protect nature.



AKRONEX[®]
INTERNATIONAL



Worldwide Solutions

In Automatic Fire Suppression Systems

- Albania
- Armenia
- Azerbaijan
- Bangladesh
- Cyprus
- Egypt
- France
- Georgia
- Germany
- India
- U.A.E.
- Iraq
- Italy
- Kuwait
- Libya
- Maldives
- Moldova
- Oman
- Pakistan
- Qatar
- Russia
- Saudi Arabia
- Senegal
- Serbia
- Spain
- Tanzania
- Tunisia
- Turkmenistan



AKRONEX INTERNATIONAL FIRE ENGINEERING INC.
Istasyon Mah. 1495 Sok. No:13 41400 Gebze, Kocaeli, Turkey
Phone: +90 262 655 46 46 | Fax: +90 262 655 46 41 | E-mail: info@akronex.com

www.akronex.com

