

EVENOS

Fire Protection Systems



EVENEXT-227

Fire Suppression Systems



ABOUT EVENOS FIRE PROTECTION SYSTEMS INC.

Evenos Fire Protection Systems Inc. operates in the fire safety sector, which has become essential in the age of technology. Specializing in "Automatic Fire Extinguishing Systems," our company places great emphasis on research and development, a key requirement of the information age. We closely monitor global technological advancements and are committed to providing services using the latest internationally certified and approved products. Evenos Fire Protection Systems Inc., which exports to many regions worldwide, continues to expand its production and communication through this extensive export network.



Evenos Fire Protection System which adopts the principle of sustainability as its main strategy, is proud of signing large-scale contracts in Turkey and abroad in a short time, while at the same time taking firm steps towards maximizing the goals of its employees, customers and business partners.

Evenos Fire Protection System will continue to work with all its strength in line with its goal of healthy and sustainable growth by increasing its market share in the constantly developing and growing world economy.

OUR VISION

Through comprehensive brand communication, we aim to enhance our presence internationally, positioning ourselves as one of Turkey's leading manufacturers of Automatic Fire Extinguishing Systems and competing with world-renowned brands.

OUR MISSION

Evenos Fire Protection Systems Inc. has adopted the principle of producing environmentally friendly products, constantly focusing on innovation by investing in research and development to ensure continuous production in line with national and international standards.



EVENEXT-227 Fire Suppression Systems

EVENEXT-227 offers an efficient and reliable fire suppression solution, particularly for areas where water could cause more harm than fire. Its key advantages include faster activation, human and environmentally safe suppressants, and no residual damage.

Certificate of Compliance

Certificate Number:
EX29120

Report Reference:
EX29120-20230929

Issue Date:
2024-MAY-21

Issued to:
Evenos Yangin Guvenlik Sistemleri A.S.
Premium Dragos Plaza Cevizli Mahallesi
Bagdat Caddesi, No 520 – 526 / 1 Maltepe
Istanbul, Istanbul Turkey |

This certificate confirms that representative samples of:
**CLEAN-AGENT EXTINGUISHING SYSTEM
UNITS**
See next page for models.

Has been evaluated by UL LLC in accordance with Standard(s) for
Safety:
See next page for Standards for Safety.

Additional Information:
See UL Product iQ® at <https://iq.ulprospector.com> for additional
information.

This Certificate of Compliance indicates that representative samples of
the product described in the certification report have met the
requirements for UL certification. It does not provide authorization to
apply the UL Mark. Only the Authorization Page that references the
Follow-Up Services Procedure for ongoing surveillance provides
authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as
being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.


David Piecuch
UL Mark Certification Program Owner

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Activity Areas

EVENEXT-227 systems are ideal for use in the following sectors:

- Data Centers, Telecommunication, Information Technologies
- Energy Sector and Related Industries
- Museums, Libraries, Schools, University Campuses
- Healthcare Industry
- Public Institutions
- Manufacturing Sector, Logistics Centers
- Oil, Gas, and Hydrocarbon Industry
- Wind, Hydro, Solar, and Geothermal Power Plants

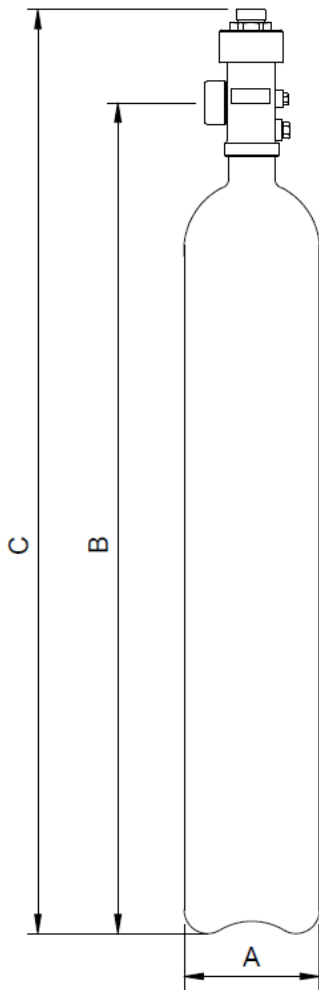
EVENEXT-227 systems can be manufactured at both 42 bar and 50 bar working pressures.

Fast Suppression

EVENEXT-227 systems quickly detect fire in its early stages. Utilizing a cross-zone principle, the system identifies two zones and releases HFC-227ea gas into the protected area in under 10 seconds. For effective suppression, the gas remains in the space for at least 10 minutes, ensuring rapid and comprehensive fire control.

EVENEXT-227 System Components

• Cylinders



EVENEXT-227 Cylinder (Seamless)

Specifications	
Materials	Chromium Molybdenum Alloy Steel
Filling	0.5 kg/L up to maximum of 1 kg/L
Filling Pressure	42 bar and 50 bar @ 21°C
Test Pressure	300 bar
Standard of Compliance	ISO 9809-1
Colour	Red

*Option for liquid level indicator is available, subject to cylinder sizes

EVENEXT-227 System Cylinders are "Seamless" cylinders and manufactured in accordance with TPED.

System cylinders consist of 6 different volumes, which are 30 liters, 50 liters, 80 liters, 100 liters, 140 liters and 180 liters capacity and can meet every need.



Part Number	Capacity (L)	Valve Outlet Size	A (mm)	B (mm)	C (mm)	Burst Disc's Burst Pressure
EVN-SC-030-EN	30	1-1/2"	232	986	1099	90Bar
EVN-SC-050-EN	50	1-1/2"	232	1506	1619	90Bar
EVN-SC-080-EN	80	1-1/2"	406	881	994	90Bar
EVN-SC-100-EN	100	1-1/2"	406	1046	1159	90Bar
EVN-SC-140-EN	140	2"	406	1385	1515	90Bar
EVN-SC-180-EN	180	2"	406	1715	1845	90Bar

*Cylinder dimensions shown on all tables above have a tolerance of $\pm 15\text{mm}$.

*Option for liquid level indicator is available, subject to cylinder sizes

EVENEXT-227 System Components

• Valves



Specification	EVN-DV-038-UL	EVN-DV-050-UL
Valve Size	1-1/2"	2"
Valve Body Material	Brass	Brass
Temperature Range	-10°C to 60°C	-10°C to 60°C
Actuator Connection	1-1/4" X 18UNEF	1-1/4" X 18UNEF
Pilot Hose Connection	1/8" NPT	1/8" NPT
Pressure Gauge Connection	1/8" NPT	1/8" NPT
Valve Outlet Connection	1-7/8" - 12 UN	2-1/2" - 12 UN
Equivalent Length (m)	12.5	13

Note: All equivalent lengths are given in Schedule 40, black pipe.

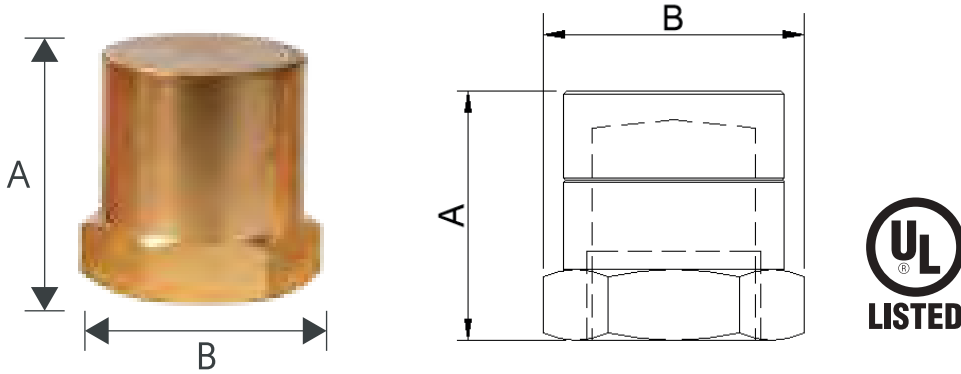
• Discharge Hoses



Part Number	EVN-DH-012-38MM	EVN-DH-012-50MM
Material	Synthetic Rubber Hose with high tensile steel wire double braids reinforcement	Synthetic Rubber Hose with high tensile steel wire double braids reinforcement
Max. Working Pressure	90 bar	80 bar
Temperature Range	-10°C to 60°C	-10°C to 60°C
Length from Elbow Inlet	465 mm	520 mm
Elbow Inlet	1-7/8" - 12 UNJ	2-1/2" - 12 UNJ
Outlet	2" BSP	2-1/2" BSP
Equivalent Length (m)	4.0	4.4

EVENEXT-227 System Components

• Nozzles



Part No.	Material	Sizes (inches)	A (mm)	B (mm)	Allowable Orifice Size (mm)
EVN-HFC-NZ-015-UL	Brass	1/2"	45	31.75	2.2 – 4.9
EVN-HFC-NZ-020-UL	Brass	3/4"	45	38.10	3.4 – 6.6
EVN-HFC-NZ-025-UL	Brass	1"	56	44.45	4.3 – 8.4
EVN-HFC-NZ-032-UL	Brass	1-1/4"	65	50.80	5.6 – 11.0
EVN-HFC-NZ-040-UL	Brass	1-1/2"	70	63.50	6.5 – 12.9
EVN-HFC-NZ-050-UL	Brass	2"	88	76.20	8.4 – 16.6

*Allowable orifice size subject to design calculation

• Other System Components



Check Valve



Pilot Line Hose



Pressure Gauge
42 Bar / 50 Bar



Pressure Gauge 42 Bar / 50 Bar
with low Pressure Switch



Manual Actuator
Button



Latching Solenoid
Actuator



Pneumatic Actuator



Liquid Level Indicator



Valve Outlet
Adaptor



Electronic System Parts

• EP203 Automatic Extinguisher Panel



Specification	Value
Approvals/certifications	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 max (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.

Product Code	Explanation	Specifications
ECO 1000	Detector Base	•Low profile design •Low current draw •Operates on 12 & 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



• Enclosure Integrity Test

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 **evenext**²²⁷
Clean Agent Suppression Systems