

CERTIFICATE OF CONFORMITY

1. FIRE PROTECTION EQUIPMENT

2. Certificate No: **FM23FPUS0075**

3. Equipment:
(Type Reference and Name) **Clean Agent Self Contained Automatic Fire Extinguisher Units Designed for use with FK-5-1-12 Fire Protection Agent**

4. Name of Listing Company: **Firetrace International LLC**

5. Address of Listing Company: **8435 N. 90th St,
Suite 2,
Scottsdale, Arizona 85258, USA**

6. The examination and test results are recorded in confidential report number:

3053686 dated 26th November 2017

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

FM 5600:2023

8. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

9. Approval Guide Listing Category:

Clean Agent Extinguishers, Automatic or Manual-Automatic

Certificate issued by:



20 June 2023

J.E. Marquedant
VP, Manager - Electrical Systems

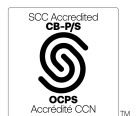
Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
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10. Description of Equipment:

System Designation:	Clean Agent Self Contained Automatic Fire Extinguisher Units Designed for use with FK-5-1-12 Fire Protection Agent
System Type:	Pre-Engineered for the Protection of Class B Hazards
Agent Identification:	FK-5-1-12
Ambient Temperature Installation Range:	0°F to 130°F (-17.8°C to 54.4°C)
Amount of Agent by Model:	940205: 2.5 lb (1.13 kg) FK-5-1-12 940555: 5.0 lb (2.27 kg) FK-5-1-12 941055: 10.0 lb (4.54 kg) FK-5-1-12 942055: 20.0 lb (9.07 kg) FK-5-1-12
Maximum Area of Coverage by Model:	940205 (1, 2, or 4 Small Nozzles): 25.0 ft ² (2.32 m ²) 940555 (1, 2, or 4 Medium Nozzles): 36.0 ft ² (3.35 m ²) 941055 (1, 2, or 4 Medium Nozzles): 36.0 ft ² (3.35 m ²) 942055 (2 or 4 Medium Nozzles): 36.0 ft ² (3.35 m ²)
Minimum and Maximum Enclosure Heights:	1.5 ft (0.46 m) to 10 ft (3.05 m)
Maximum Enclosure Volume Protection at 70°F by Model:	940205: 45.0 ft ³ (1.27 m ³) 940555: 90.0 ft ³ (2.55m ³) 941055: 179.9 ft ³ (5.09 m ³) 942055: 359.8 ft ³ (10.19 m ³)
Minimum Design Concentration by Hazard Class:	Class B: 5.89%
Maximum Height Between Layers for Detection Tubing:	3.3 ft (1.0 m)
Maximum Length of Detection Tubing:	120 ft (36.6 m)
Design, Installation, Operation, and Maintenance Manual:	Design, Installation, Operation, and Maintenance Manual for Clean Agent Self Contained Automatic Fire Extinguisher Units Designed for use with FK-5-1-12 Fire Protection Agent, Document 800027, Rev. A, 06/05/2023
Limitations or Exceptions to the Approval:	Applications and components not part of the Approval as identified in the manual listed above

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Member of the FM Global Group

Approved Filling Stations:	Firetrace International LLC 8435 N. 90th Street, Suite 2 Scottsdale, AZ 85258 USA
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11. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

12. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

13. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
26 November 2017	Original Issue.
20 June 2023	<u>Supplement 1:</u> Report Reference: PR465057 dated 20 June 2023. Description of the Change(s): Converted certificate format. Listing overhaul to incorporate various modifications, including new 20 lb model, new discharge nozzle, updated design concentration, updated manual, and alternate agent manufacturers.

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