

CERTIFICATE OF CONFORMITY



1. FIRE PROTECTION EQUIPMENT

2. Certificate No: FM25US0150
3. Equipment:
(Type Reference and Name) NARLEXA Piston Flow (PFS) HFC-227ea Engineered Clean Agent Fire Extinguishing System
4. Name of Listing Company: Fire and Hazard Control Equipment Co Ltd
5. Address of Listing Company: 69th Street, Dammam II Industrial Area, P.O. Box 8401, Dammam, 31482, Saudi Arabia
6. The examination and test results are recorded in confidential report number:

PR472140 dated 3rd June 2025

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 Fire Extinguishing Systems

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

04/06/2026

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. One Technology Way, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmaprovals.com www.fmaprovals.com

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10. Description of Equipment:

System Designation:	NARLEXA Piston Flow (PFS) HFC-227ea Engineered Clean Agent Fire Extinguishing System
System Type:	Engineered, Unbalanced Systems Designed for Total Flooding Applications
Agent Identification:	HFC-227ea
Minimum and Maximum Agent Storage Temperatures:	Balanced Systems: 32 to 130°F (0 to 54°C) Unbalanced Systems: 60 to 80 °F (16 to 27°C)
Available Nominal Cylinder and Valve Sizes:	63L Cylinder (40mm Valve) 68L Cylinder (40mm Valve) 89L Cylinder (40mm Valve) 115.4L Cylinder (50mm Valve) 175L Cylinder (50mm Valve)
Types of Nozzles Available:	180°, 360°
Minimum and Maximum Nozzle Heights:	1 to 14.8 ft (0.3 to 4.5 m)
Maximum Area of Coverage for Nozzle Type:	180°: 41.4 x 41.4 ft (12.62 x 12.62 m), 46.3 ft (14.1 m) maximum radial reach 360°: 41.4 x 41.4 ft (12.62 x 12.62 m), 29.2 ft (8.9 m) maximum radial reach
Minimum Design Concentrations for Hazard Class:	Class A: 6.43% Class B: 8.97%
Flow Calculation Software:	NARLEXA Software Design Program Version FHC4.00
Design, Installation, Operation, Maintenance and Software Manuals:	NARLEXA Easy Flow System (EFS)/Piston Flow System (PFS) HFC-227ea Engineered Clean Agent Fire Extinguishing System Design, Installation, Operation, and Maintenance Manual, FHCN-EFSPFS-01, January 2025 NARLEXA Flow Calculation Software Version 4 User Manual, FHC-MN-01, January 2025
Limitations or Exceptions to Approval:	Limitations as defined in the software and manuals listed above
Approved Filling Stations:	Fire and Hazard Control Equipment Co. Ltd. 69th Street Dammam II Industrial Area, P.O. Box 8401 Dammam 31482 Kingdom of Saudi Arabia

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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
3 June 2025	Original Issue.
4 February 2026	<u>Supplement 1:</u> Report Reference: RR249607 dated 4 February 2026. Description of the Change(s): New fill station added
6 April 2026	<u>Supplement 2:</u> Report Reference: RR250380 dated 6 April 2026. Description of the Change(s): Added Brand Name NARLEXA to the product title along with remove Masteco Industry as an Approved fill station

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