

SHIELD200 Engineered HFC-227ea Clean Agent Fire Extinguishing Systems

Certificate Number: **FM23FPUS0008**

Company

Shield Fire Safety and Security Ltd

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<http://www.shieldglobal.com>

Fixed Extinguishing Systems | Clean Agents | **Clean Agent Fire Extinguishing Systems**

SHIELD200 Engineered HFC-227ea Clean Agent Fire Extinguishing Systems

Description of Equipment:

System Designation:	SHIELD200 Engineered HFC-227ea Clean Agent Fire Extinguishing Systems
System Type:	Engineered
Available Agent:	HFC-227ea
Minimum Design Concentrations	Class A 6.7% Class B 8.7%
Available Agent Container Pressure:	25 bar
Available Agent Sizes:	16.7L, 28.3L, 52L, 106L, 147L, 180L and 369L
Minimum and Maximum Agent Storage Temperatures:	32°F to 122°F (0°C to 50°C)
Minimum and Maximum Nozzle Heights:	12 in (0.3 m) to 15.9 ft (4.85 m)
Types of Nozzles Available:	180°, 360°
Maximum Area of Coverage for Nozzle Type:	180°: 1134 ft ² . (105.35 m ²), 37.9 ft. (11.56m) maximum radial reach 360°: 1134 ft ² . (105.35 m ²), 23.8 ft. (7.25 m) maximum radial reach
Design, Installation, Operation and Maintenance Manual:	SHIELD200 Engineered HFC-227ea Fire Suppression Systems Design, Installation, Operation and Maintenance Manual, P/N SHIELD200MAL-0001, Rev. 01, 2022-04
Flow Calculation Software:	SHIELD Flow Calculation Software v4.00
Limitations or Exceptions to the Approval:	Limitations as defined in the software and manuals listed above
Approved Filling Stations:	<p>Gemtex Sdn Bhd No 2 & 4 Jalan Jenaris 2B Desa Sri Jenaris Kajang, Selangor, Kuala Lumpur 43000 Malaysia</p> <p>National Firefighting Manufacturing FZCO PO Box: 17014 Jebel Ali South Free zone Dubai, United Arab Emirates</p> <p>Qatar Factory for Fire Fighting Equipment & Safety Systems - NAFFCO New Industrial Area Street No 23 and Building No.195 Postal Code: 55644 Doha Qatar</p> <p>Saudi NAFFCO For Fire Fighting Systems CO. LLC Block 16, Reemas Industrial City, Istanbul Road (South), Exit 18, As Sulay Riyadh, Saudi Arabia</p>

Details

Category	Clean Agent Fire Extinguishing Systems
Class of Work	5612 - Exting Agent, Liquefied Gas
Certification Type	FM Approved
Agent Type	HFC-227ea
Certificate Number	FM23FPUS0008
Listing Country	United Kingdom

