

# SHIELD200 Engineered HFC-227ea Clean Agent Fire Extinguishing Systems

Certificate Number: **FM23FPUS0008**

## Company

**Shield Fire Safety and Security Ltd**  
Unit 3 Endeavor Drive, Basildon, Essex, SS14 3WF, United Kingdom  
<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 ft2. (105.35 m <sup>2</sup> ), 37.9 ft. (11.56m) maximum radial reach 360°: 1134 ft2. (105.35 m <sup>2</sup> ), 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 &amp; 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 &amp; 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

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

