

SHIELD1230 Engineered FK-5-1-12 Clean Agent Fire Extinguishing Systems

Certificate Number: **FM23FPUS0007**

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**

SHIELD1230 Engineered FK-5-1-12 Clean Agent Fire Extinguishing Systems

Description of Equipment:

System Designation:	SHIELD1230 Engineered FK-5-1-12 Clean Agent Fire Extinguishing Systems
System Type:	Engineered
Available Agent:	FK-5-1-12
Minimum Design Concentrations	Class A 4.5% Class B 5.9%
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°: 1055 ft ² . (98.01 m ²), 36.32 ft. (11.07 m) maximum radial reach 360°: 1055 ft ² . (98.01 m ²), 22.97 ft. (7.00 m) maximum radial reach
Design, Installation, Operation and Maintenance Manual:	SHIELD1230 Engineered FK-5-1-12 Fire Suppression Systems Design, Installation, Operation and Maintenance Manual, P/N SHIELD1230MAL -0001, Rev. 00, 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	FK-5-1-12
Certificate Number	FM23FPUS0007
Listing Country	United Kingdom