



LIFECO-FK5112 Engineered FK-5-1-12 Clean Agent Fire Extinguishing System

Certificate Number: **FM25US0079**

Company

Lichfield Fire & Safety Equipment Co Ltd
Edmund House, 12~22 Newhall Street, Birmingham, B3 3AS, United Kingdom

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

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Description of Equipment:

System Designation:	Lifeco-FK5112 Engineered Clean Agent Fire Extinguishing System
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, 50L, 52L, 60L, 80L, 106L, 147L, 150L, 180L, 240L, 270L, 369L & 453L
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 ft2. (98.01 m2), 36.32 ft. (11.07 m) maximum radial reach 360°: 1055 ft2. (98.01 m2), 22.97 ft. (7.00 m) maximum radial reach
Design, Installation, Operation and Maintenance Manual:	LIFECO-FK5112 Engineered FK-5-1-12 Fire Suppression Systems Design, Installation, Operation and Maintenance Manual, P/N LF5112MAL-0001, Rev. 10, 2025-04
Flow Calculation Software:	LIFECO-UK Clean Agent Flow Calculation Software v4.10 (FK-5-1-12)
Limitations or Exceptions to the Approval:	Limitations as defined in the software and manuals listed above