Certificate No: LR26191776SF
Issue Date: 12/07/2026
Expiry Date: 11/07/2031

Certificate Of Fire Approval

This is to certify that the product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	**Johnson Controls Building Efficiency UK Ltd**
Address	Unit A3-A5, Stockport Trading Estate, Yew Street, Stockport, SK4 2JW, United Kingdom
Type	WATER SPRAY SYSTEM COMPONENT
Description	Fixed Fire Extinguishing System Component – Type: "HV High Velocity Open Nozzles, Types: HV-14, HV-17, HV-26, HV-37, HV-45 and HV-60"
Trade Name	"HV High Velocity Open Nozzles, Types: HV-14, HV-17, HV-26, HV-37, HV-45 and HV-60"
Specified Standard	Performance testing in accordance with Underwriters Laboratories requirements for Non-automatic Pattern Fixed Type Spray Nozzles and Performance testing in accordance with FM Approval Standard: "Class 2021/2025 (February 2010)-Automatic and Open Water-Spray Nozzles for Installation in Permanently Piped Systems"

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register North America, Inc. of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

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Bruce McDonald

Global Fire & Safety Manager to Lloyd's Register North America, Inc.
A member of the Lloyd's Register group

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