

# CERTIFICATE OF CONFORMITY

## 1. FIRE PROTECTION EQUIPMENT

2. **Certificate No:** FM24FPUS0045

3. **Equipment:** AFEX W Series Liquid Agent Fire Suppression and Surface Cooling Systems  
(Type Reference and Name)

4. **Name of Listing Company:** AFEX Division of Bonaventure Group Inc

5. **Address of Listing Company:** 6031 Oak Forest Drive,  
Raleigh, North Carolina 27616, USA

6. The examination and test results are recorded in confidential report number:  
3057815 dated 21<sup>st</sup> September 2017

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

FM 5970:2022

8. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

9. Approval Guide Listing Category:  
Heavy Duty Mobile Equipment

### Certificate issued by:



J.E. Marquedant  
VP, Manager - Electrical Systems

22 March 2024

Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA  
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## 10. Description of Equipment:

System Designation:	AFEX W Series Mobile Equipment Fire Suppression and Surface Cooling Systems
System Types:	Liquid Agent Mobile Equipment Fire Suppression Systems
Agent Identification:	AFEX Freeze-Protected Liquid Agent
Available Models (Agent Volume, Nozzles)	W5 (5 gallon, 2 to 8 Nozzles) W15 (15 gallon, 3 to 9 Nozzles) W30 (30 gallon, up to 18 Nozzles)
Expellant Gas:	W5: Nitrogen cartridge actuator (1800 psi at 70°F) W15: Nitrogen cartridge actuator (2015 psi at 70°F) W30: Nitrogen cartridge actuator (2015 psi at 70°F)
Nozzle Coverage Area:	9 in diameter @ minimum 10 in distance to hazard 18 in diameter @ maximum 20 in distance to hazard
Operating Temperature Range:	-40°F to 140°F (-40°C to 60°C)
Design, Installation, Operation, and Maintenance Manuals:	Installation, Operation, Maintenance & Service Manual for the AFEX 2000 Series Systems & AFEX W Series Systems, P/N A100000, February 2024, R007 Owner / Operator's Manual, AFEX 2000 Series Pre-Engineered Multipurpose Dry Chemical Fire Suppression System, AFEX W Series Pre-Engineered Liquid Agent Fire Suppression System, Part Number A100001, September 2017
Limitations or Exceptions to the Approval:	Limitations as defined in the manuals listed above.

## 11. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

## 12. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

## 13. Certificate History

Details of the supplements to this certificate are described below:

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<b>Date</b>	<b>Description</b>
21 September 2017	Original Issue.
1 March 2024	<u>Supplement 4:</u> Report Reference: RR240300 dated 1 March 2024. Description of the Change(s): Updated System Manual "Installation, Operation, Maintenance & Service Manual for the AFEX 2000 Series Systems & AFEX W Series Systems, P/N A100000, March 2023, R006"
22 March 2024	<u>Supplement 5:</u> Report Reference: PR468418 dated 22 March 2024. Description of the Change(s): Updated A100000 system manual to "February 2024, R007" revision. W5 system increased to 8 nozzle maximum. Removed "Shut down" note from limitation section.

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