



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	7510-2143:0501
CATEGORY:	7510 - SPRAY/SPRINKLER SYSTEM EQUIPMENT
LISTEE:	UNITED FIRE SYSTEMS 1 MARK ROAD, KENILWORTH, NJ, 07033 Contact: Kleber, Jonathan 90868803000 Email: jkleber@ufpco.com
DESIGN:	<p>NITROGEN-PAC Models SC-1S, SC-1M, SC-2M, SC-2L, and SC-W Nitrogen Generators. The systems consist of an air compressor, dryer to remove moisture from the compressed air, particulate and coalescing filtration, and a membrane-based separator to remove oxygen from the compressed air. The units compress air, separate nitrogen from other gases in a membrane chamber and supply pressurized nitrogen to a nitrogen storage tank and then to a FM Approved Air Maintenance Device. The nitrogen is introduced to the dry sprinkler system through the Air Maintenance Device and serves to suppress the corrosion reactions in the sprinkler piping via oxygen deprivation.</p> <p>Refer to listee's data sheet for additional detailed product description and operational considerations.</p>
RATING:	120 VAC, 1 phase, 60 Hz
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances, and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model number, system capacity, electrical rating, and FM label.
APPROVAL:	Listed as membrane type nitrogen generators for use in dry sprinkler systems. Refer to listee's Installation Instruction Manual for details. Models complies with the applicable requirements in FM 1035, 2014 Edition.
NOTES:	

10-27-22 VWW

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This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 07/12/2024

Listing Expires: 06/30/2025

Authorized By: **David Castillo**, Program Coordinator
Fire Engineering & Investigations Division

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