



# FDNY

## BUREAU OF FIRE PREVENTION

9 Metro Tech Center, 3rd Floor

Brooklyn, NY, 11201

**COA #6148**  
**Expires 17 Jun 2029**



To: Stanley Slonski  
From: New York City Fire Department  
Date: Jun 17, 2026  
Record ID: 2025-TMCOAP-007394-RENL

Premises Address: Citywide

BIN

Application Type: Certificate of Approval

Result: Certificate of Approval

### Expire on June 17, 2029

By order of Fire Commissioner Daniel A. Nigro, and pursuant to Section FC 112 of the New York City New Fire Code, the following equipment or system is accepted for use provided the conditions as outlined below are in full compliance.

Previous COA Application Number: 2021-TMCOAP-009338-AMND

Manufacturer: United Fire Protection Corporation

Trade Name: United Fire Systems Product: Preaction-Pac

Model Number(s): Preaction-Pac is integrated with one of the following FACP: Potter 4410-RC Notifier NFS2-640  
Potter 4410-RC  
Notifier NFS2-640  
Notifier RP-2001  
Fenwal FN-6000  
Kidde ARIES-SLX  
Model ARC-100

Pertinent Code Section(s): Section FC 901 of the New York City Fire Code

Prescribed Tests: UL 864, NFPA-72-2016, 1 RCNY §3616-04



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## Laboratory Factory Mutual Approvals

Test Standards: FM Class Nos. 3010 / 1011 / 1012 / 1013 / 1020 / 1021 / 1032

Test Report: Project 3037039 approved on 19 July 2011; Revised on 23 March 2026

## Description:

The UNITED Fire Systems PREACTION-PAC is a fully assembled, one zone pre-action fire suppression system, consisting of the following FM Approved and NRTL certified models configured and mounted in a two or three piece enclosure:

- FM Approved Victaulic Series 769 FireLock NXT preaction valve and trim.
- FM Approved Tyco Model DV-5A preaction valve and trim.
- FM Approved UNITED Fire Systems Models UFS-SIE and UFS-DI preaction valves and trim.
- FM Approved control panel board assembly Potter model 4410-RC, model ARC-100, or Model 4410G3, Notifier model NFS2-640, model Inspire N16e, or RP-2001, Fenwal model FN-6000, or Kidde model Aries-SLX, or no panel for retrofit to an existing FM Approved control panel.
- NRTL certified GSE air compressor, or FM Approved NITROGEN-PAC sprinkler corrosion inhibiting system.

Each PREACTION-PAC has a model number describing the major components of the assembly. The nomenclature is as

follows: TABLE 1 – MODEL NUMBER DESCRIPTION

## GX-SS-P-T-Z(Z)-X

<b>GX:</b>	G2 - Generation 2 FM Approved PREACTION-PAC (with Victaulic Series 769 valves). G3 - Generation 3 FM Approved PREACTION-PAC (with Tyco Model DV-5A valves). G4 – Generation 4 FM Approved PREACTION-PAC (with UNITED Fire Systems Model UFS-SIE and UFS-DI valves).
<b>SS:</b>	2-digit number denoting the preaction valve size: <ul style="list-style-type: none"> <li>• 15 = 1-1/2"</li> <li>• 20 = 2"</li> <li>• 25 = 2-1/2"</li> <li>• 30 = 3"</li> <li>• 40 = 4"</li> <li>• 60 = 6"</li> </ul>
<b>P:</b>	Denotes preaction system
<b>T:</b>	1-digit number denoting preaction system style: <ul style="list-style-type: none"> <li>• 1 = Single Interlock</li> <li>• 2 = Double Interlock</li> </ul>
<b>Z(Z):</b>	Number or letter(s) denoting pressurization method: <ul style="list-style-type: none"> <li>• 1 = 1/6 HP air compressor</li> <li>• 2 = 1/3 HP air compressor</li> <li>• 3 = 1/2 HP air compressor</li> <li>• N = Installed Model NAMD-1 pressure maintenance device (for external nitrogen)</li> <li>• NP = Integral FM Approved NITROGEN-PAC Model SC-W sprinkler corrosion inhibiting system</li> </ul>
<b>X:</b>	Letter denoting control panel model: <ul style="list-style-type: none"> <li>• A = Potter 4410-RC C = Notifier RP-2001 E = Kidde Aries-SLX G = Potter 4410G3 N = No control</li> <li>• B = Notifier NFS2-640 D = Fenwal FN-6000 F = Potter ARC-100 H = Notifier Inspire N16e</li> </ul>



EXAMPLES:

G2-15-P-1-1-B	PREACTION-PAC Generation 2 with 1-1/2" single interlock valve, 1/6 HP air compressor, and Notifier NFS2-640 control panel
G2-25-P-2-2-D	PREACTION-PAC Generation 2 with 2-1/2" double interlock valve, 1/3 HP air compressor, and Fenwal FN-6000 control panel
G2-40-P-1-NP-N	PREACTION-PAC Generation 2 with 4" single interlock valve, NITROGEN-PAC system, and no built-in control panel
G3-20-P-1-1-A	PREACTION-PAC Generation 3 with 2" single interlock valve, 1/6 HP air compressor, and Potter 4410-RC control panel.
G3-30-P-2-N-C	PREACTION-PAC Generation 3 with 3" double interlock valve, NAMD-1 pressure maintenance device, and Notifier RP-2001 control panel.
G3-40-P-2-3-E	PREACTION-PAC Generation 3 with 4" double interlock valve, 1/2 HP air compressor, and Kidde Aries-SLX control panel.
G4-20-P-1-1-F	PREACTION-PAC Generation 4 with 2" single interlock valve, 1/6 HP air compressor, and Potter ARC-100 control panel.
G4-30-P-1-2-H	PREACTION-PAC Generation 4 with 3" single interlock valve, 1/3 HP air compressor, and Notifier Inspire N16e control panel.
G4-40-P-2-NP-N	PREACTION-PAC Generation 4 with 4" double interlock valve, NITROGEN-PAC system, and no built-in control panel.

**Conditions of Approval:**

1. All uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Construction Codes, specifically Building Code Chapter 9 & 1RCNY §3616-04. Further, the installation shall be in accordance with applicable provisions of New York City Fire Code, New York City Electrical Code, manufacturer's installation requirements, and UL Standard 864.
2. Installation of interlock pre-action systems when programmed to operate as double interlock shall be installed only for applications such as refrigerated rooms. To ensure proper operation and diminish any possible faulty detection, the double interlock pre-action system shall be provided with at least two detectors installed in a single zone of protected area. Detectors for double interlock preaction systems shall not be cross-zoned.
3. Fire Alarm Control Panels: Potter 4410-RC, Notifier NFS2-640, Notifier RP-2001, Fenwal FN-6000, Kidde ARIES-SLX are approved to use with Preaction Pac only. Use above panels for any other application are required a separate COA for each Fire Alarm Control Panel.
4. Signal indication/notification (alarm, supervisory, trouble), Central Station connection, and connection to Building Fire Alarm System (where applicable) shall be in accordance with New York City Building Code, New York City Fire Code, and NYC Rules.
5. Only enclosures painted red in color shall be used.



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6. Factory Mutual Approvals' listing/approval requirements and limitations shall be complied with.
7. Inspection, testing, and maintenance of Preaction-Pac shall be performed in accordance with NYC Fire Code, NYC Rules, and NFPA 25.
8. Certificate of Approval number shall be plainly stamped or otherwise fixed upon each product by the applicant.
9. The Fire Department's conditions of approval shall be enumerated in the installation manuals and brochures that will be provided to all New York City buyers and users.
10. Fire Department Certificate of Approval does not constitute an endorsement or recommendation of your product by the Fire Department, but is a certification that your product is acceptable as of the date of issuance.
11. The Fire Department reserves the right to withdraw this approval at any time in the event there is a reasonable doubt that the product does not operate or perform as required by code, the conditions of this resolution or as represented in your application.
12. As the manufacturer of this equipment, you should be aware that any end user who fails to comply with the condition as outlined in the approval would be subject to enforcement action, which may include fines and imprisonment.
13. This Certificate of Approval does not grant the right to use any trademark associated with the New York City Fire Department (the letters FDNY, the FDNY Shield design, the FDNY Maltese Cross design, and the seal of the City of New York). The unauthorized use of trademarks in connection with the sale of commercial goods or services violates federal and state laws.
14. Products marked to indicate the Certificate of Approval number might refer to the "NYC Fire Department" or "NYC Fire Dept" (e.g., "NYC Fire Dept Certificate of Approval #2025-TMCOAP-007394-RENL).

When responding to this Department regarding this subject matter, kindly refer to 2025-TMCOAP-007394-RENL and send it to plan examiner name attention, 1 Pierrepont Plaza #11N29k, phone #718-403-4452 or e-mail: khushbu.patel@fdny.nyc.gov.

Very Truly Yours,  
Khushbu Patel  
Assistant Electrical Engineer  
Technology Management

By Order of,  
Chief of Fire Prevention