

# CERTIFICATE OF CONFORMITY

## 1. FIRE PROTECTION EQUIPMENT

2. **Certificate No:** FM23FPUS0111

3. **Equipment:** PREACTION-PAC Fire Suppression Systems  
(Type Reference and Name)

4. **Name of Listing Company:** UNITED Fire Systems

5. **Address of Listing Company:** 1 Mark Rd,  
Kenilworth, New Jersey 07033, USA

6. The examination and test results are recorded in confidential report number:  
3037039 dated 19<sup>th</sup> July 2011

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

FM 3010:2021

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:  
Local Protective Signaling, Fire

### Includes:

**PREACTION-PAC Generation 2**  
**PREACTION-PAC Generation 3**  
**PREACTION-PAC with Integrated Nitrogen**

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### Certificate issued by:



J.E. Marquedant  
VP, Manager - Electrical Systems

25 August 2023

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, 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA  
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## 10. Description of Equipment:

The UNITED Fire Systems PREACTION-PAC is a one-zone, fully assembled preaction fire suppression system consisting of: an FM Approved pre-trimmed preaction valve, an FM Approved control panel (no control panel option also available) and either an NRTL-certified air compressor or an FM Approved pressure maintenance device. Contained within the system enclosure are all system components and accessories, requiring only the connection to the water supply inlet, water outlet (to system), main drain, the alarm and detection connections, the electrical power supply and, where applicable, the external supervisory gas source. The system input voltage rating is 120VAC and the maximum operating current rating is 12.7 Amp.

### Two Piece Sheet Steel Enclosure – Upper (14 gauge) and Lower (12 gauge)

<b>Upper Enclosure:</b>	FM Approved control panel (No control panel option available)
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<b>Lower Enclosure:</b>	FM Approved pre-trimmed preaction valve
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	Pressure gauges
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	Manually-actuated release valve
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	NRTL-certified air compressor or FM Approved pressure maintenance device
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The upper and lower enclosures are fastened together using through studs pressed into the upper enclosure. Nylon lock nuts and washers are used for the final assembly of the upper and lower enclosures. All seams on both enclosures are welded and ground smooth. Both upper and lower enclosures are finished in red powder-coat paint. Gasketing provides sealing of enclosure doors. All doors are “piano” hinged and have flush mount latches. Both enclosure doors have a key lock. Knockouts are included at the back of the upper enclosure for external electrical conduit. Where applicable, the compressor disconnect switch is located in the upper enclosure.

### The part number [GX-XX-P-X-X-X-MMY-XXX] nomenclature is:

<b>GX</b>	<b>Valve Manufacturer</b>	2	Victaulic NXT
		3	Tyco DV-5A
<b>XX</b>	<b>Valve Size</b>	15	1 ½ in NPS
		20	2 in NPS
		25	2 ½ in NPS

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		30	3 in NPS
		40	4 in NPS
	<b>System Type</b>	P	Preaction
<b>X</b>	<b>Trim Style</b>	1	Single Interlock
		2	Double Interlock
		3	Other
<b>X</b>	<b>Supervisory Gas Source</b>	1	1/6HP, 290 gal. max. 120 VAC, 6.6 Amp
		2	1/3HP, 475 gal. max. 120 VAC, 6.6 Amp
		3	1/2HP, 780 gal. max. 120 VAC, 8 Amp
		N	FM Approved pressure maintenance device
<b>X</b>	<b>Control Panel</b>	A	Potter 4410-RC
		B	Notifier NFS2-640
		C	Notifier RP-2001
		D	Fenwal FN-6000
		E	Kidde ARIES-SLX
		F	Potter ARC-100
		N	No panel, retrofit to existing FM Approved control panel
<b>MMYY</b>	<b>Month/Year</b>	MMYY	Month/Year (ex. 0121)
<b>XXX</b>	<b>Serial Number</b>	XXX	Serial Number (ex. 001)

**11. Test and Assessment Procedure and Conditions:**

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

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## 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:

Date	Description
25 August 2023	Original Issue.

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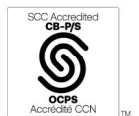
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