



Product Alert

November 18, 2013

Type of Notification: Performance Related Concern

FM Approvals has been made aware that, in areas where sprinkler system water supply conditions are such that calcium or other mineral deposits could develop, the Series 776, 767 or 798 actuators used in the trim of Victaulic Series 769 FireLock NXT Deluge and Praction valves may become restricted preventing proper function of the sprinkler system. See attached Technical Field Bulletin issued by the Victaulic Company.

Company (As Listed in the Approval Guide): Victaulic Company

Address: 4901 Kesslersville Rd, Easton, Pennsylvania 18040, USA

Contact information: 1-855-861-1227 or e-mail at engineeringervices@victaulic.com

Product Identity: Deluge and Praction valves

Model: Victaulic Series 769 FireLock NXT

Date Codes Affected: Valves manufactured prior to June 2010 may be equipped with a Series 776 Low-Pressure Actuator. Valves manufactured prior to December 2010 may be equipped with a Series 767 Electric/Pneumatic Actuator or a Series 798 Pneumatic/Pneumatic Actuator.

FM Approval status: All models manufactured on or after November 16, 2005 are FM Approved.

Hazard involved: The Series 769 FireLock NXT valves manufactured during the affected dates were fitted with either a Series 776 Low-Pressure Actuator, a Series 767 Electric/Pneumatic Actuator or a Series 798 Pneumatic/Pneumatic Actuator. These actuators may be susceptible to restriction, preventing actuation of the Series 769 FireLock NXT Deluge or Praction valve. This could prevent the sprinkler system from operating correctly and should be addressed immediately.

Further technical information regarding the Victaulic Series 769 FireLock NXT deluge and preaction valves can be found at the following web address: www.victaulic.com

If you suspect you are in possession of an affected valve discussed above and bearing the FM Approvals certification marking, please bring that to the attention of:

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FM Approvals, Quality Department

Norwood, MA, USA

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Email: Thomas.mccarty@fmapprovals.com

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Technical Service Bulletin

FireLock NXT™ Deluge and Preaction Actuated Valves Series 769 (All Sizes)



IF YOU OWN OR SERVICE A SERIES 769 FIRELOCK NXT™ DELUGE OR PREACTION ACTUATED VALVE, PLEASE READ AND FOLLOW THIS BULLETIN.

WHAT IS THE ISSUE?

If your sprinkler system contains a Victaulic Series 769 FireLock NXT Deluge or Preaction Actuated Valve, and the system is installed in an area where the water supply conditions are such that calcium or other mineral deposits could develop, you need to inspect the current condition of the Series 776 Low-Pressure Actuator, Series 767 Electric/Pneumatic Actuator, or Series 798 Pneumatic/Pneumatic Actuator for restriction of the air feed and auto vent orifices. The minerals present in the water may accumulate and cause a delay or an inoperable condition, preventing proper function of the sprinkler system.

WHAT SHOULD YOU DO?

In order to confirm proper function of the Series 776 Low-Pressure Actuator, Series 767 Electric/Pneumatic Actuator, or Series 798 Pneumatic/Pneumatic Actuator, Victaulic requests building owners to contact their fire protection contractor and schedule the completion of routine testing and inspection schedules provided by the National Fire Protection Association (NFPA). At that time, the manufacturing date of the valve can be confirmed. In standard NFPA 25 (Inspection Testing and Maintenance of Water-Based Fire Protection Systems), Chapter 13.4.4.2 defines the minimum inspection and testing requirements, including:

- A partial operational trip test to be performed annually
- A full operational trip test to be performed every 3 years
- A full internal inspection to be performed every 5 years

NFPA 25 states that these inspections and tests should be performed more frequently in the presence of contaminated, corrosive, and/or scaling water supplies or corrosive atmospheres. Additionally, the installation, maintenance, and testing manual, shipped with each valve, provides procedures for performing these tests and inspections.

To aid your fire protection contractor in determining if the valve(s) installed in your system are affected by this bulletin, please refer to the factory-installed identification tag attached to the valve body (see sample identification tag photo to the right).

Valves **manufactured prior to June 2010** may be equipped with a Series 776 Low-Pressure Actuator that is more susceptible to restriction.

Valves **manufactured prior to December 2010** may be equipped with a Series 767 Electric/Pneumatic Actuator or Series 798 Pneumatic/Pneumatic Actuator that is more susceptible to restriction.

If your contractor determines that remediation is necessary, they will call 1-855-861-1227 or e-mail Victaulic at engineering@victaulic.com for the necessary instructions and hardware in order to return your system to proper operation.



WHO IS AFFECTED BY THIS TECHNICAL SERVICE BULLETIN?

This technical service bulletin affects anyone responsible for the ongoing maintenance of a fire sprinkler system that uses the Series 769 FireLock NXT Deluge or Preaction Actuated Valve in combination with the Series 776 Low-Pressure Actuator **manufactured prior to June 2010** or a fire sprinkler system that uses the Series 769 FireLock NXT Preaction Valve in combination with the Series 767 Electric/Pneumatic Actuator or Series 798 Pneumatic/Pneumatic Actuator **manufactured prior to December 2010**.

If there is any uncertainty about whether this bulletin applies to your system, please contact a qualified local fire protection contractor who can assist in making this determination.

If your sprinkler system contains a different manufacturer's actuated valve, consult the manufacturer for their recommended inspection and maintenance procedures.