FM Approvals

Product Alert

Date: September 13th, 2025

Reliable Automatic Sprinkler Company, 8 in. NPS Model DDX and EX Sprinkler System Control Valves – Safety Concern

Type of Notification: Performance Related Concern

Company Identity: Reliable Automatic Sprinkler Company, 1470 Smith Grove Rd. Liberty, SC 29657, United States.

Product Identity: Reliable 8" (200mm) Model DDX, Dry, Deluge, and Preaction Valves and Model EX Dry Valves.

- DDX-LP or EX Low Pressure Dry Pipe Valve
- DDX Deluge Valve
- DDX Single Interlock
- DDX Double Interlock Type D
- DDX Double Interlock Type F
- DDX Type PL Double Interlock
- DDX Non-Interlock

FM Approval Status: FM Approved

Hazard Involved: There exists a rare potential for failure for these valves when functioning properly under certain circumstances. The 8" (200mm) Model DDX incorporates a striker plate that is attached to the valve clapper. The striker and clapper are held closed during normal standby conditions by a latch. FM Approvals have become aware that in rare instances the striker/clapper mechanism may not properly release, preventing the valve from opening. Reliable Automatic Sprinkler Company has made an adjustment to the striker plate design to correct this potential issue. Reliable is providing the new striker plate as a field upgrade program for all the valves listed above. This Product Alert involves only the 8" DDX or EX versions of the valves. It does not include the 2", 2-½", 3", 4", 6" Models DDX and EX.

Please refer to the Reliable Automatic Sprinkler Company product advisory below for further information.

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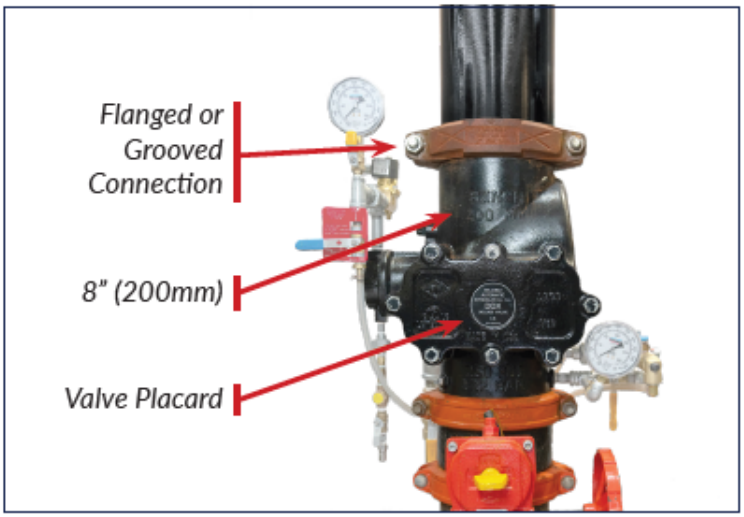
The Reliable Automatic Sprinkler Co. Inc.
Manufacturer & Global Distributor of
Fire Protection Products

8” (200 mm) Model DDX Dry/Deluge/Preaction & Model EX Dry Valves

August 2025

The Reliable Automatic Sprinkler Co. Inc. is one of the world's largest quality producers of automatic fire sprinklers and sprinkler system control equipment.

From 2008 until present Reliable® has manufactured 8" (200 mm) Model DDX, Dry, Deluge, and Preaction Valves and Model EX Dry Valves. These dry, deluge, and preaction valves are hydraulically operated, latching clapper-type valves used to control the water supply to deluge, preaction or low-pressure dry pipe systems. The circular valve placards read:



- DDX-LP or EX Low Pressure Dry Pipe Valve
- DDX Deluge Valve (pictured)
- DDX Single Interlock
- DDX Double Interlock Type D
- DDX Double Interlock Type F
- DDX Type PL Double Interlock
- DDX Non Interlock

Deluge systems use open sprinklers or nozzles as discharge outlets in the fire area, while preaction and dry pipe systems use closed sprinklers or nozzles. These valves are all subject to the quarterly and annual inspection and testing requirements of NFPA-25.

The 8" (200 mm) version of the valve incorporates a striker plate to avoid stress on the valve clapper. The striker plate and clapper are held closed prior to operation of the valve by a latch. Reliable has recently become aware of rare circumstances where the striker plate and clapper do not properly release from the latch upon activation.

In order to ensure performance, Reliable is announcing a field upgrade program to be performed by a licensed local contractor as soon as practical. Reliable will provide the contractors with replacement instructions and the necessary upgrade components and tool for the valves.

This program will start immediately. If you are responsible for the ongoing maintenance of a fire sprinkler system that uses the 8" (200 mm) Model DDX or EX valve, please contact your local Reliable sales office prior to performing or scheduling an annual NFPA-25 inspection. Reliable will provide the replacement part (Part # 65012000D1) at no cost to the owners or servicers of the valves. Failure to follow the corrective actions outlined in this notice may result in continued risk associated with the affected valves. Reliable shall not be held liable for any damages, injuries, or losses arising from failure to perform the actions specified in this notice.

It should be noted that the 2" (50 mm), 2-½" (65 mm), 3" (80 mm), 76 mm, 4" (100 mm), 6" (150 mm) Models DDX and EX do NOT require this field upgrade. Only the 8" (200 mm) versions produced prior to June 2025 are affected. PrePaK™ cabinet-enclosed valve systems using an 8" (200 mm) Model DDX or EX valve are also affected.

If you have any questions as to whether this bulletin applies to your system, please contact a qualified local fire protection contractor who can assist in making this determination. You may also contact our Product Technology group at tech@reliablesprinkler.com or call 1-800-557-2726 for assistance.