Deluge Sprinkler Systems

Deluge sprinkler systems have open sprinklers or open spray nozzles and are used where it is desirable to discharge water through all of the system's sprinklers or nozzles simultaneously. Prior to discharge there is no water in the sprinkler piping. The water supply is held back by a control valve which is operated manually or automatically by the actuation of a fire detection system. The fire detection system is required to be one of the following types: wet pilot sprinkler line, dry pilot sprinkler line, hydraulic rate-of-rise, pneumatic rate-of-rise or electric. Compatible FM Approved Release Control Panels for use with electric release deluge sprinkler system(s) are listed under RELEASE CONTROL PANEL COMPATIBILITY.

Automatic sprinklers are used on wet or dry pilot sprinkler lines. The dry pilot sprinkler line may also require a dry pilot actuator depending upon the type of automatic water control valve. When required, only the compatible dry pilot actuator noted in the sprinkler system listing shall be used in FM Approved systems.

Electrically operated deluge sprinkler systems are FM Approved on a component basis. Only the major, compatible components noted in the sprinkler system listing shall be used in an FM Approved system. FM Global installation acceptance may stipulate that only heat-actuated fire detection devices be used. Acceptance criteria by other jurisdictional authorities may vary.

Deluge sprinkler systems are FM Approved as complete systems. *Only the listed components for a specific manufacturer shall be used in an FM Approved system.*

Model FSX-A

Product Specification

Release Type	Valve Size		Rated Working Pressure		End Connection	Remarks
	in	(mm)	psi	(kPa)		
Wet Pilot	2, 3, 4, 6, 8	(50, 80, 100, 150, 200)	232	(1595)	Grooved Flanged Flanged X Grooved	
Electric	2, 3, 4, 6, 8	(50, 80, 100, 150, 200)	232	(1595)	Grooved Flanged Flanged X Grooved	a, b, c

Remarks:
a. Approved when equipped with a Viking Model D-3 PORV anti-reset device
b. Approved when equipped with a Burkert 5282 two-way normally closed solenoid valve, 24 V dc, 8 W, 1⁄2 in. NPS
c. Approved when equipped with a SIRAI Model ZB12A two-way normally closed solenoid valve, 24 V dc, 5.5 W, 1⁄2 in. NPS

Company Name:	Viking GmbH
Company Address:	Industriestraße 10/12, D-23840 Bad Oldesloe, Germany
Company Website:	http://vikingemea.com
New/Updated Product Listing:	No
Listing Country:	Germany
Certification Type:	FM Approved
Class of Work:	1011-Deluge Sprinkler Systems

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