WET ALARM CHECK VALVES

Model H
Retarding Chamber
175 psi (12 bar) & 300 psi (21 bar)

c UL us LISTED EX15701 FM APPROVED CE 1725-CPR-H0008



PRODUCT DESCRIPTION

The retarding Chamber model H from AG Sprinkler described in this data sheet is an accessory which is used with variable pressure wet sprinkler systems where water motor alarms and / or pressure pressure switches are used in conjunction with Alarm Check Valves.

TECHNICAL DATA

Model	H
Water working pressure rating	175 psi (12 bar) 300 psi (21 bar)
Factory tested hydrostatically	For 175 psi (12 bar): 350 psi (24 bar) For 300 psi (21 bar): 450 psi (32 bar)
Capacity	1 gallon (3,8 liters)
Body material	High tensile Iron - 175 psi: Cast Iron ASTM A48 - 300 psi: Ductile Iron ASTM A 536

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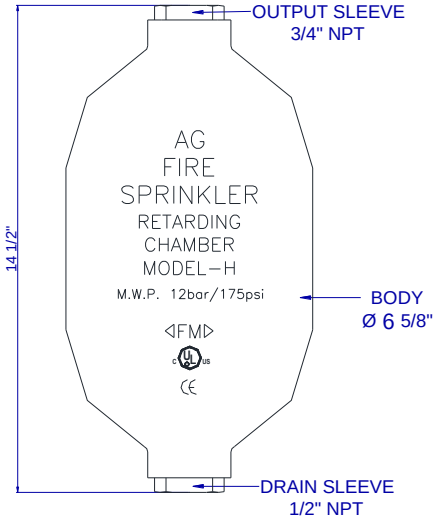
OPERATION

The retarding Chamber model H from AG Sprinkler serves primarily as a hydraulic time delay to prevent most false alarms associated with fluctuating water supply pressures. In situations where excessive water pressure surges occur, the Model H Retarding Chamber is needed to collect excess water from the Alarm Check Valve and feed water back into the main drain, before activating the alarm. An additional retarding chamber could be needed if pressure surges exceed the capacity of one retarding chamber.

Water enters the retarding chamber through the 1/2" NPT Inlet and automatically flows through a restricted orifice and to drain; when the drain capacity is exceeded, as when the alarm check valve clapper remains open or when the system is being tested, the retarding chamber capacity is reached, and water then flows through the Outlet to the water motor alarm and/or electric alarm switch.

The body of the Retarding Chamber has considerable ductility to reduce damage in field handling. All interior operating parts are machined from highly corrosive-resistant alloys, each having high strength and good wear resistance.

MATERIALS



DESCRIPTION	MATERIAL	PART. Nº
Outlet sleeve	Brass	323354
Body	Cast Iron ASTM A48 (175 psi) Ductile Iron ASTM A 536 (300 psi)	323352 323352D
Drain sleeve	Brass	-

ORDERING INFORMATION

PRESSURE	CODE
175psi (12 bar)	VH3233500000
300psi (21 bar)	VH3233500001

Specify:

Model	
Quantity	
Pressure	

The equipment presented in this bulletin is to be installed in accordance with the latest published Standard of the National Fire Protection Association, Factory Mutual Research Corporation, or other similar organizations and also with the provisions of governmental codes or ordinances whenever applicable.
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