



## *RETARDING CHAMBER MODEL H*

### *DESCRIPTION AND OPERATION*

The Globe Model H Retarding Chamber is an accessory which is used with variable pressure wet sprinkler systems where water motor alarms and / or pressure switches are used in conjunction with Globe's Alarm Check Valves. It 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.



**MODEL H  
RETARD CHAMBER**

### *APPROVALS*

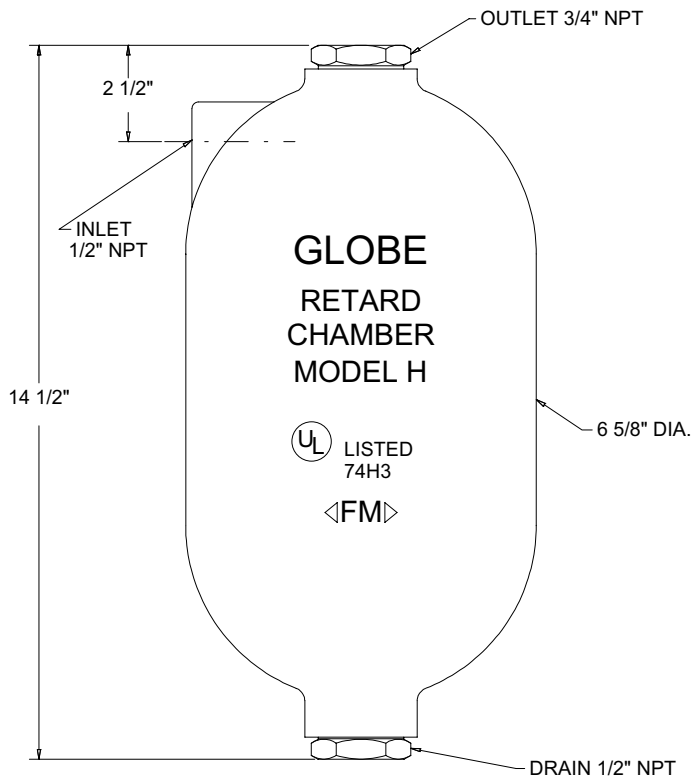
- cULus Listed
- FM Approved
- LPCB Approved

### *TECHNICAL DATA*

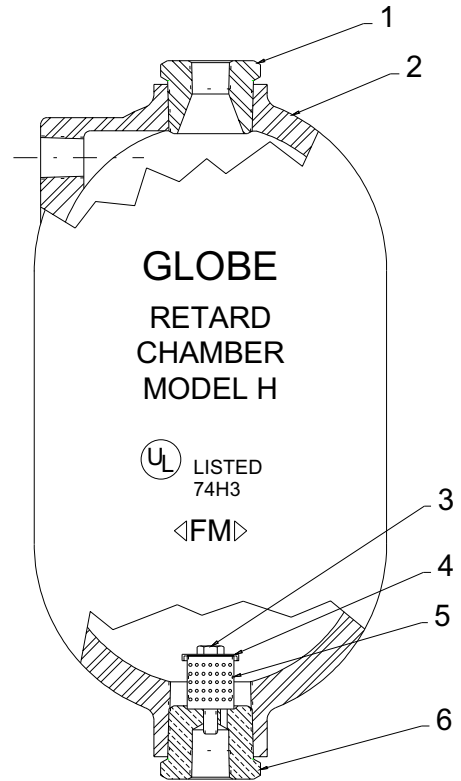
- Water Working Pressure Rating - 175 psi (12 bars).
- Factory tested hydrostatically to 350 psi (24 bars).
- Capacity - 1 Gallon (3.785 liters)
- Body - High Tensile Cast Iron

# RETARDING CHAMBER MODEL H

## DIMENSIONS



## CROSS SECTION



ITEM	DESCRIPTION	MAT'L	P/N
1	Outlet Bushing	Cast Iron	323354
2	Machined Body	Cast Iron	323352
3	Hex Head Machine Screw	Brass	323357
4	Cup	Brass	323356
5	Strainer Screen	Brass	323355
6	Drain Bushing	Brass	323353

Refer to Globe's Alarm Check Valve Installation and Maintenance Guide (Bulletin A.C.V.I.M.) for trim set-up, installation instructions, and maintenance.

## ORDERING INFORMATION

### SPECIFY

- Quantity
- Model Number

## GLOBE® PRODUCT WARRANTY

Globe agrees to repair or replace any of its own manufactured products found to be defective in material or workmanship for a period of one year from date of shipment.

For specific details of our warranty please refer to Price List Terms and Conditions of Sale (Our Price List).



4077 AIRPARK DRIVE, STANDISH, MICHIGAN 48658

989-846-4583

1-800-248-0278

FAX 989-846-9231

www.globesprinkler.com