

8" Model H-1, H-2 & H-3 ALARM CHECK VALVE

DESCRIPTION AND OPERATION

The Globe Models H-1, H-2, and H-3 8" Alarm Check Valves are used in wet pipe fire sprinkler systems. They primarily serve a dual purpose in that they prevent a reverse flow of water through their bodies (non-return) and also provide for the use of a hydraulic fire alarm which is not dependent upon an electrical power supply for its operation. Through the use of a hydraulic retard chamber a time delay is provided to eliminate potential false alarms caused by fluctuating water supply pressures. Where constant pressure water supplies are used the retard chamber (time delay) is not necessary. By incorporating the use of electrical pressure switches, other supplemental alarms, annunciators etc. may also be used.

Globe 8" Models H-1, H-2, and H-3 Alarm Check Valves may be installed in the vertical position and trim can be provided for both variable and constant water supply pressures.

The body of the Alarm Check Valve is constructed of high tensile strength cast iron having 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.

Rubber parts are of selective materials which have good abrasive resistance and long life expectancy in terms of resiliency.



**MODEL H-1
FLANGE/FLANGE**




**MODEL H-2
GROOVE/GROOVE**



**MODEL H-3
FLANGE/GROOVE**

APPROVALS

- cULus Listed
- FM Approved
- LPCB (LPCB Ref. No. 147b/01, 147b/02, and 147b/03) 
- CE

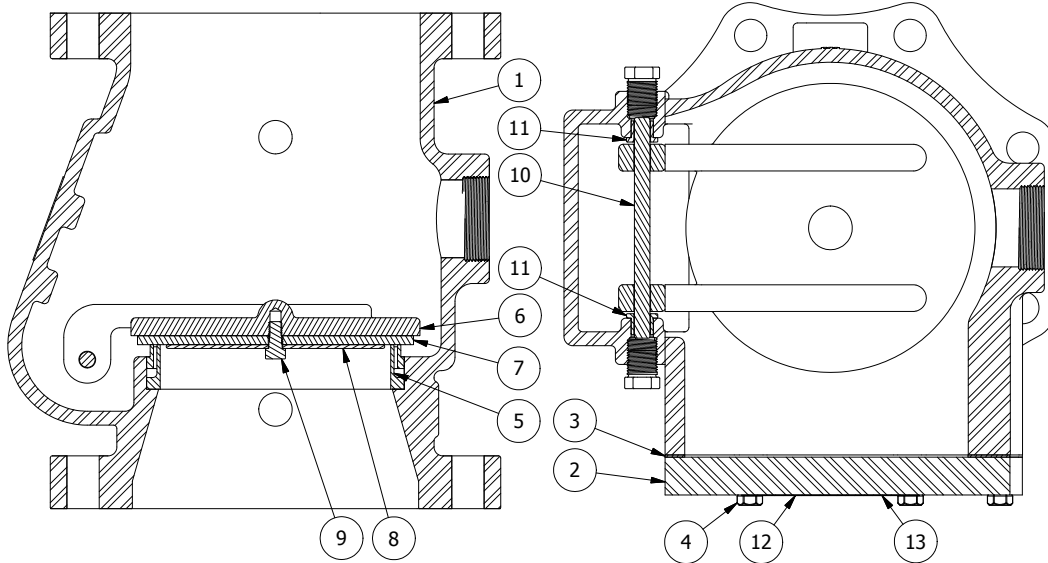
TECHNICAL DATA

- Water Working Pressure Rating - 175 psi (12 bars)
- Factory tested hydrostatically to 350 psi (24 bars).
- Equivalent feet of pipe: 8" Valve = 21 feet

PHYSICAL DATA	MODEL		
	H-1	H-2	H-3
Overall Length	14"	15"	15"
Weight of Valve Complete with Vertical Variable Pressure Trimmings	147 lbs. 198 lbs.	106 lbs. 157 lbs.	130 lbs. 180 lbs.

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MODEL H-1 CROSS SECTION



FRONT VIEW

TOP VIEW

ITEM	DESCRIPTION	MAT'L	P/N	ITEM	DESCRIPTION	MAT'L	P/N
1	"H-1" Body	Cast Iron	323832	7	Clapper Disc	EPDM	323842
	"H-2" Body	Cast Iron	323858	8	Disc Retainer	Stainless	323843
	"H-3" Body	Cast Iron	323851	9	Disc Retainer Bolt	Stainless	323838
2	Cover	Cast Iron	323835	10	Hinge Pin	Stainless	323845
3	Cover Gasket	Rubber	323833	11	Hinge Pin Bushings (2)	Bronze	323846
4	Cover Bolts (6)	Steel	323839	12	175psi Name Plate	Aluminum	323847
5	Seat Ring	Bronze	323837	13	Drive Screws (2)	Stainless	323420
6	Clapper	Bronze	323841				

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 • Size • Pressure Rating
- Factory Trimmed and Leak Tested Hydrostatically or Loose Trim for Customer Installation.

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).



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GFV-105 (Formerly C-2)