

RETARDING CHAMBER

MODEL - RC9



TECHNICAL DATA

MODEL	RC9
MATERIAL	Stainless Steel
CONNECTION	3/4" BSPT (F)
WEIGHT	2.6 Kg
APPROVAL	UL Listed, FM Approved For use with HD Alarm Valve Model H
RATED PRESSURE	17.5 Bar (250 PSI)



APPLICATION

HD Retarding Chamber is used with Alarm Valve Trim when variable pressure is anticipated in the system. It is a holding tank to prevent activation of the Sprinkler Alarm during water pressure surge, but permits the activation of alarm on sustained flow. The Retarding Chamber is part of UL Listed and FM Approved Alarm Valve Trim. The Retarding Chamber is made of stainless steel material and rated for 17.5 bar pressure.

OPERATION

Due to sprinkler operation, water starts flowing and clapper of Alarm Valve opens, allowing the water flow to Sprinkler Alarm port. The Sprinkler Alarm port is connected to Retarding Chamber through Restriction

Nozzle assembly. When the flow through inlet of Restriction Nozzle exceeds the drain nozzle flow, the Retarding Chamber begins to fill and there by flowing to sprinkler alarm and pressure switch to activate the alarm. Use of Retarding Chamber prevents the false alarm in variable pressure system.

MAINTENANCE

The Restriction Nozzle assembly need to be inspected and cleaned for possible blockage of Orifice and Screen. More frequent cleaning may be required depending on water quality with respect to water borne debris. The owner is solely responsible for maintaining their fire protection system and devices in proper operating condition.

LIMITED WARRANTY

HD FIRE PROTECT PVT. LTD. hereby referred to as HD FIRE warrants to the original purchaser of the fire protection products manufactured by HD FIRE and to any other person to whom such equipment is transferred, that such products will be free from defect in material and workmanship under normal use and care, for two (2) years from the date of shipment by HD FIRE. Products or Components supplied or used by HD FIRE, but manufactured by others, are warranted only to the extent of the manufacturer's warranty. No warranty is given for product or components which have been subject to misuse, improper installation, corrosion, unauthorized repair, alteration or un-maintained. HD FIRE shall not be responsible for system design errors or improper installation or inaccurate or incomplete information supplied by buyer or buyer's representatives. HD FIRE will repair or replace defective material free of charge, which is returned to our factory, transportation charge prepaid, provided after our inspection the material is found to have been defective at the time of initial shipment from our works. HD FIRE shall not be liable for any incidental or consequential loss, damage or expense arising directly or indirectly from the use of the product including damages for injury to person, damages to property and penalties resulting from any products and components manufactured by HD FIRE. HD FIRE shall not be liable for any damages or labour charges or expense in making repair or adjustment to the product. HD FIRE shall not be liable for any damages or charges sustained in the adaptation or use of its engineering data & services. In no event shall HD Fire's product liability exceed an amount equal to the sale price. The foregoing warranty is exclusive and in lieu of all other warranties and representation whether expressed, implied, oral or written, including but not limited to, any implied warranties or merchantability or fitness for a particular purpose. All such other warranties and representations are hereby cancelled.

NOTICE :

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