

RIM SEAL FIRE PROTECTION SYSTEM FOR FLOATING ROOF HYDROCARBON STORAGE TANK

Vimal's Make in India, World Class Product, Best First Aid solution to any fire on Floating roof tank at an incipient stage.

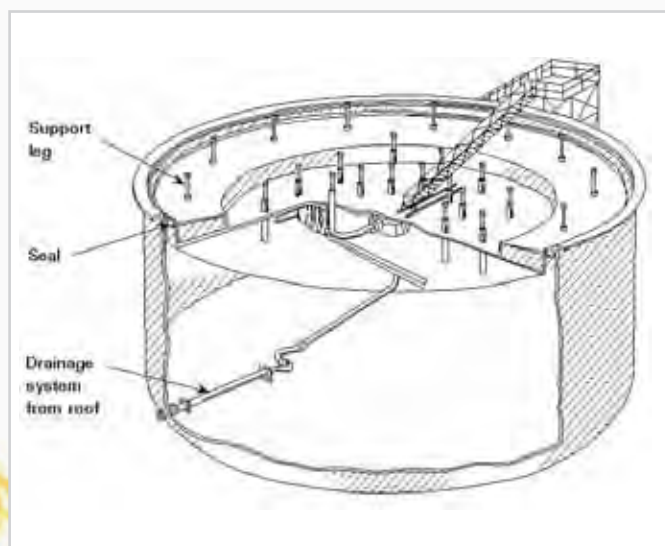
The Rim Seal Fire Protection System for Floating roof tank is a fully automatic fire detection cum extinguishing system. Specifically designed and manufactured for extremely fast detection and extinction of any type of Rim Seal fires as per the National & International Safety standards.

The Automatic Rim Seal Fire Detection and Extinguishing system detects even incipient fire in 10 seconds and suppresses the rim seal fire on a floating roof, within 40 seconds from Starting of Fire. It is a First Aid system and acts as a watch Dog round the clock. The systems operate without any human intervention and simultaneously also alerts operators / Fire department in case of any alarm.

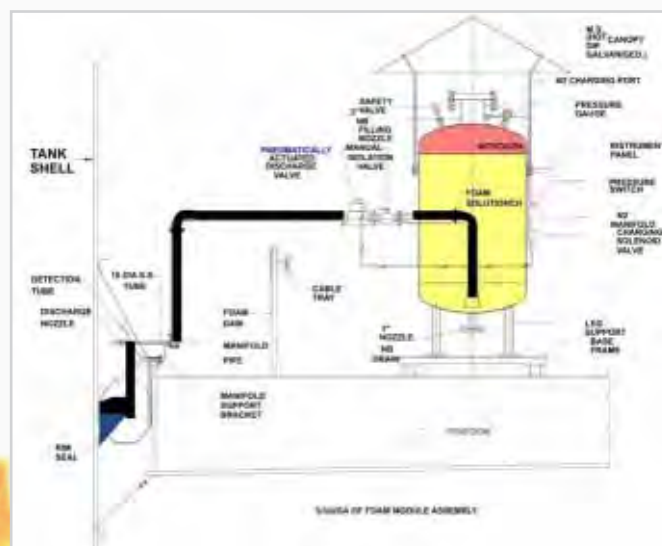
This system is designed to replace the harmful Halon Gas system, which is now considered environmentally hazardous due to CFC gases.

Detection is done using linear metallic sensor (Copper/SS) having EN approval of Type A1, UL, VdS and other approvals competent agencies worldwide. An intelligent evaluation unit senses the 'Rate of Rise' in temperature & maximum temperature beyond the pre-configured parameters through a highly sensitive hollow metallic tube in the non-pressurised state.

The extinguishing vessels are permanently pressurised with Nitrogen and discharge delivers extinguishing agent (AFFF) UL-Listed at 18 LPM/M2 application rate on to the Rim Seal area through UL-Listed foam spray nozzle, to extinguish the incipient fire within 20 seconds of fire detection.



RIM SEAL OF A FLOATING ROOF TANK



RIM SEAL FIRE PROTECTION SYSTEM

Features & Benefits:

- EN Class A1 certified heat detection system for response behaviour
- Only System for quick detection for Hydrocarbon Fire on the Rim Seal area of Floating Roof Storage tanks
- Environmentally-friendly detection and suppression system
- Immune to Mechanical, Chemical & Electrical interferences
- Event logs – for specific parameters & Events
- Self-Diagnostic and fail safe features for Continuous monitoring of parameters in a remote location and remote area in real time mode.
- The system is installed on operational Tanks without down time / shut down / outage of tanks.
- Auto sensing Mechanism needs minimum human intervention
- Installation possible on hydrocarbon product filled storage tanks since no hot jobs is required on the tank top
- Highest percentage of safety till date for Floating Roof Tank related Fire Hazard
- The system has provision to send a signal to Rim Seal Fire panel situated in control Room, with Annunciator and Graphic Console so that that operator can get alarmed/Continuous monitoring.



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