

Description – Automatic fire suppression system

www.boatfireprotection.com



Automatic fire suppression system is a simple and cost effective fire protection of small enclosures. The system consists of a heat sensitive tube made of special plastic which is closed by a stainless steel fitting on each end. The tube has both storage and detection function which means that the extinguishing agent is stored directly in the tube and no additional storage device like cylinder is needed.

This automatic fire suppression system uses HFC-227ea, which is an extremely effective, clean and people-safe extinguishing medium.

Automatic fire suppression system operates automatically independent of any power supply by detecting higher temperatures. When the temperature in the protected enclosure rises to a critical threshold, the detection tube melts down at the point where the affecting temperature is the highest. Melting the tube creates a hole releasing the entire extinguishing agent stored in the tube onto the source of the fire.

Automatic fire suppression systems are supplied in various lengths of the tube and volumes of agent. The standard volume of agent ranges from 0,25 kg to 1,0 kg, which is sufficient to protect enclosures with volume between 0,25 m³ and 1,00 m³ respectively.

1 SYSTEM INSTALLED



2 FIRE BREAKOUT



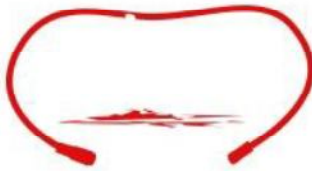
3 FIRE DETECTION



4 EXTINGUISHING



5 FIRE QUENCHED



Engine Compartments



Vehicle fires are an issue all over the world and the number of such fires increases each year. Majority of vehicle fires have its source in the engine compartment. The most dangerous sources of fires in the engine compartments include electrical arcing, overloaded wiring, hot surfaces, mechanical sparks, electrical sources.

The engine compartments of vehicles are one of the most critical environments due to the increased risk of fire and in terms of extinguishing. Tight space, hot environment, changing temperatures, and air flow have substantial impact on extinguishing and pose a challenge for every fire suppression system.

Automatic fire suppression systems help protect engine compartments by capturing the starting fire or by suppressing the fire giving the crew time for further action. Easy installation, no maintenance and affordability makes this system a perfect first line fire protection of the engine compartment of pleasure boats.

www.boatfireprotection.com