

Magazine fire fighting system for Naval Ships (MFFS)

Magazine fire fighting system has been successfully developed, installed, commissioned, tested and evaluated in magazine simulators at CFEES. The system is accepted in principal by Indian Navy for its installation in different naval platforms. The system comprises of wet, dry & bulkhead sprinkling system, inhibitor system and fire detection & control system (FDCCS). In case of any fire alarm detected by temperature, pressure and IR sensor three types of sprinkling system & inhibitor system get activated automatically.

It consists of following systems: -

- a) **Sprinkling System:** Sprinkling system comprises of Wet, Dry & Bulkhead sprinklers with flowrates, response time and Cone spray angle 90°-120° and 180°.
- b) **Inhibitor system:** The inhibitor system consists of blow off plates & gas release systems.
- c) **Fire detection & control system:** Fire detection & control system consists of detectors (temperature, pressure & IR), logic & control system (LCU & RCU) & Display panels.

Salient Features:

- Sprinkling system cools down the ammunition below the critical temperature.
- Automatic, local, remote and manual mode of operation for sprinkling & inhibitor system
- Easy to operate & low maintenance cost