



FM-200 MARINE APPLICATION

CHALLENGE:

**Protecting machinery spaces,
engine rooms, pump rooms and
electrical switchgear**

SOLUTION:

**FOT® FM-200™ Clean Agent Fire
Suppression System**

APPLICATION:

**Protecting critical operational
infrastructure in cramped conditions**

Ensuring effective fire protection for marine vessels at sea presents substantial challenges in a marine environment. Fires can develop rapidly and can quickly threaten the safety of the vessel and its personnel. The space and weight restrictions combined with the critical electronic infrastructure on board ship require a robust and reliable solution.

Previously, many vessels used Halon or CO₂-based fire suppression systems, but Halon-based systems have been found to have a harmful impact on the ozone layer, while CO₂ is only suitable for environments not occupied by people. The FOT FM-200 Clean Agent Fire Suppression System has zero ozone depletion potential (ODP) and is safe for use in occupied areas at the design concentration. FM-200 (HFC-227ea) fire extinguishing is a clear, compressed gas stored as a liquid (under pressure) that vaporizes upon discharge and absorbs heat to rapidly suppress fire. The FOT FM-200 system provides an innovative, clean agent solution that helps to ensure continuity of operations and delivers effective asset protection for the marine industry.

Both automatic and manual actuators are available for release of the agent into the hazard area through fixed piping and nozzles. Seven nozzle sizes are available to provide the correct flow of agent in either 180 or 360 degree horizontal discharge patterns. For large hazards, cylinders can be connected to a common manifold.

The FOT FM-200 system carries both Lloyds and DNV approvals and has Administration acceptances around the world. The system can be designed to meet the requirements of EN 15004, ISO 14520 and NFPA 2001; and components approved according to EN 12094.