



Marine and Offshore Fire Protection



Naval Ships



Submarines

Maximized efficiency and performances with low pressure water mist technology

The FIREKILL low pressure water mist system offers complete fire protection with water pressure down to 6 bar while using much less water than sprinkler systems and much less energy than high pressure water mist systems. Unlike gas systems our low-pressure water mist system is suitable for protecting all areas of vessels without any harm to people and the environment.

The FIREKILL system can be designed with small system components (e.g. tank, pump, pipes and fittings) resulting in cost and space savings - a very important advantage at sea. Low water pressure increases reliability and robustness and helps reduce installation, operational and maintenance cost.

The FIREKILL system is certified to protect all areas on board including:

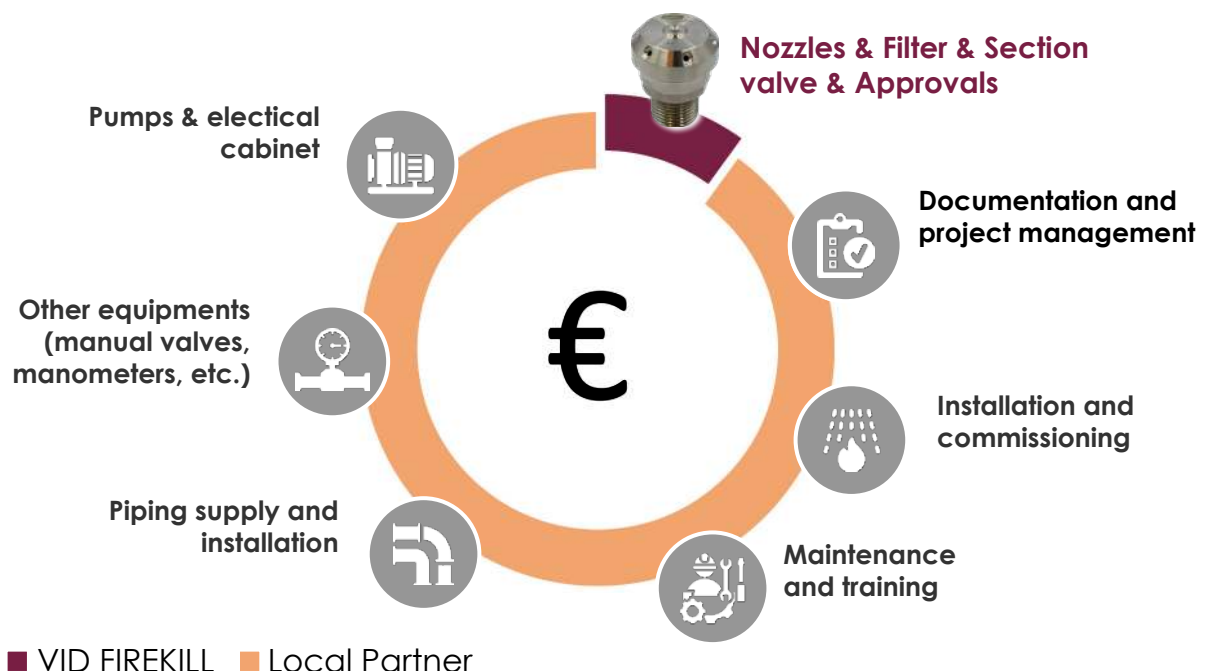
- Machinery spaces
- Hangar
- Accommodations
- Storage areas
- Kitchen and deep fat fryers & ducts

Our system is tested and certified to protect all areas on board in accordance with the latest IMO MCS protocols and resolutions and witnessed and certified by DnV in accordance with the Marine Equipment Directive (MED-B and MED-D) and Maritime & Coast Guard Agency (MER-B and MER-D).

BENEFITS OF OUR LOW PRESSURE WATER MIST SYSTEM

- One technology for every area of the ship
- Low power consumption : 70% less than High Pressure
- Low water consumption : 70% less than Sprinkler
- Small footprint: 2 pumps only
- 100% pump redundancy : 1 Main pump + 1 safety pump
- Large nozzle orifice and filter that reduce the risk of clogging when using seawater
- Safe for the crew during maintenance and activation (water with pressure <16 bar)

Low Pressure Water Mist = High Local Content



FIREKILL™ - one system for complete Naval Ships & Submarines fire protection

Our FIREKILL low pressure water mist system uses the widest range of nozzles specifically designed to protect every area in the navy ships.



IMO MSC. Res. 265, Accommodation



IMO MSC. Circ 1165, Machinery space Total Flooding or IMO MSC. Circ 1430, Special Category Space



IMO MSC. Circ 1165, Machinery space
IMO MSC. Circ 1387, Local application



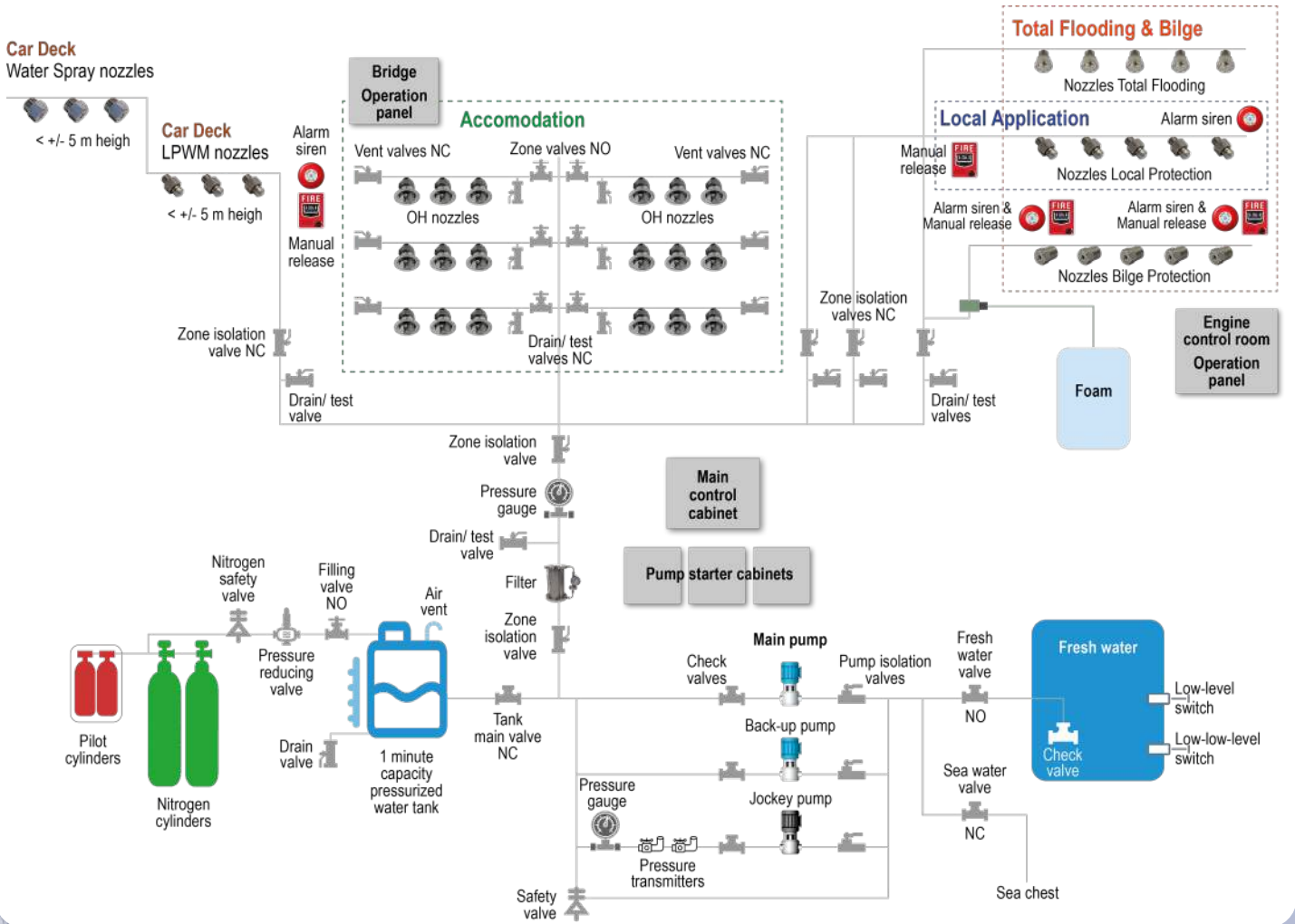
FIREKILL™ Nozzles

- **OH range** are automatic pendent or sidewall nozzles designed for protection of accommodation spaces, stairways and corridors, store rooms etc. - tested to IMO MSC.265(84).
- **OH-OPX1/ HS56** are open nozzles designed for protection of Ro-Ro and special category spaces - tested to IMO MSC/Circ.1430 Clause 4 and 5 and approved by DNV TA and MED-B.
- **K6** is an open nozzle designed for total flooding protection of machinery spaces Cat. A and pump rooms - tested to IMO MSC/Circ.1165 and approved by DNV TA and MED-B.
- **K7 Kattegat** is an open nozzle designed for local protection in machinery spaces - tested to IMO MSC/Circ. 1387 and approved by DNV TA and MED-B.

- **Vesuvius/ Etna** are open nozzles designed for protection of deep fat cooking equipment & galley exhaust duct - tested to ISO 15371:2015 and approved by DNV TA and MED-B.
- **Bilge B1/ K1/F1** are open nozzles designed for total flooding protection of machinery spaces Cat. A and pump rooms in bilge application - tested to IMO MSC/Circ. 1165 and approved by DNV TA and MED-B.

FIREKILL™ Valves

- **C-EL Valve** is an electrical control valve design to operate in open deluge systems as a zone valve or a full flooding valve.
- **WAC Alarm Valve** is an alarm check valve designed to detect the low water flows when the nozzle activates. The valve utilizes a clapper function, ensuring safe and robust detection.



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