



Pump unit for local application



Local application system –high pressure water mist

The Sem-Safe high-pressure local application system for engine rooms is a well-proven, highly efficient and easy to install high-pressure water mist system that complies with IMO 913.

Thanks to its flexibility, the standard system – which includes a detection and release system – is easy to set up to suit almost any requirement. The total cost of the system is low in comparison with competitor systems. This is due to the small pipe dimensions, small number of nozzles, large coverage, very low water consumption, compact skid and the simple design.

In case of release, the water mist is extremely efficient in fire fighting and, in addition, is documented to be harmless to electrical installations with protection better than IP 22. The water mist itself is pure, fresh water under a minimum pressure of 80-100 bars at the nozzle heads.

How it works

The Sem-Safe high-pressure water mist system for local protection is a fire fighting system for hazardous areas as described in IMO 913, main and auxiliary engines, boiler fronts, oil separators and incinerators.

For unattended engine rooms, an addressable detection, alarm and release system



SEM-SAFE
WATER MIST SYSTEM



HIGH AND LOW PRESSURE
CO₂ SYSTEMS



FOAM FIRE
EXTINGUISHING SYSTEM



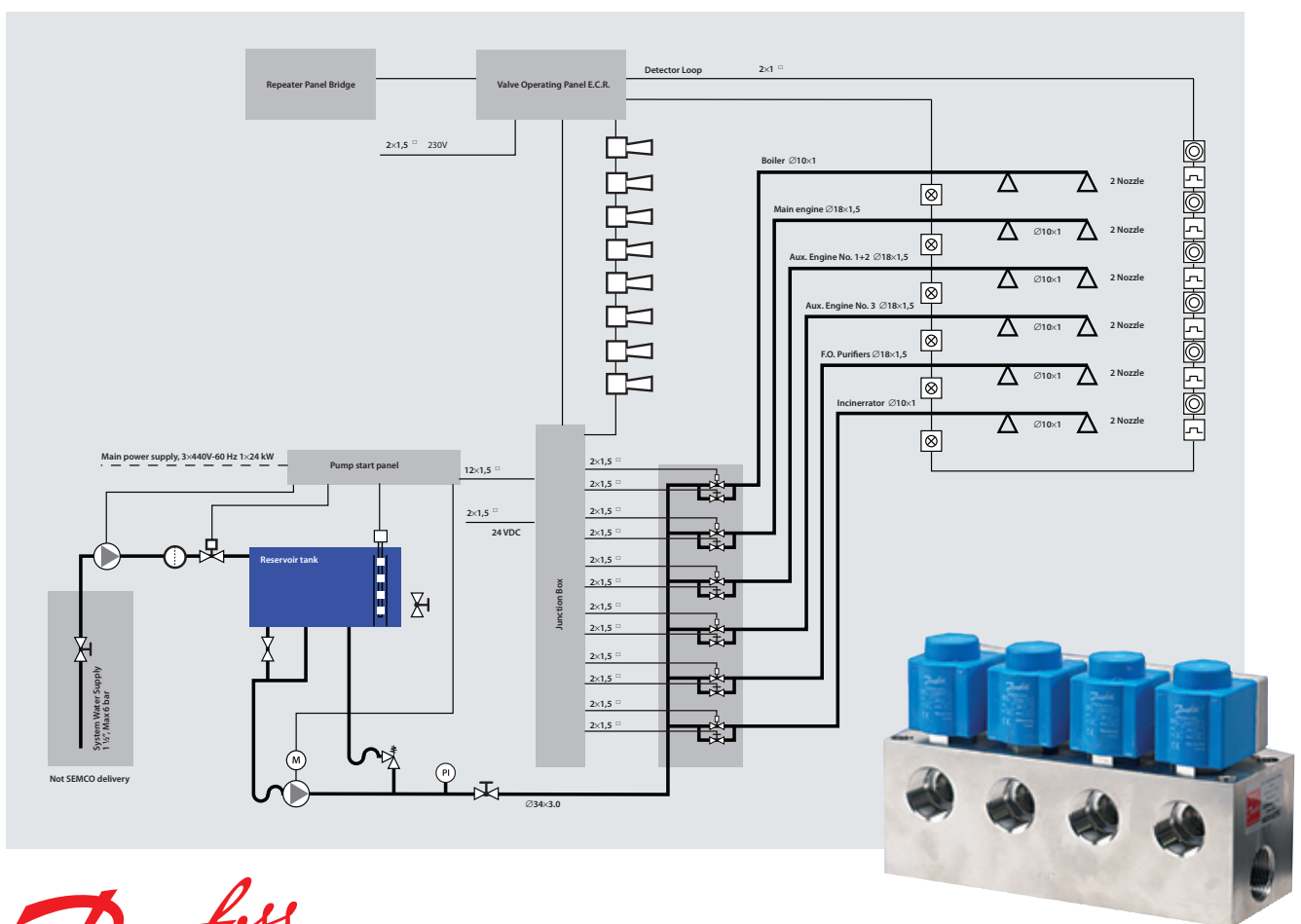
DRY CHEMICAL POWDER FIRE
EXTINGUISHING SYSTEM

should be installed. The system must be assessed in conjunction with the total protection system for the engine room, whether this is a gas, foam, or water mist system for total flooding.

The system consists of a pump unit skid with an electrical panel, ready for connection to the power and water supply. Section valves are remotely operated for each object that requires protection. The system comes with all nozzles, pipes and fittings, mains lines, detection heads and alarm units for each section.

APPROVAL LEVELS AND SERVICE EXPERIENCE. The system is approved by all major classification bodies. The Sem-Safe high-pressure water mist local application system was one of the first systems on the market, even before the IMO 913 was defined. Consequently, it has a proven service record. In addition, the system was not designed just to comply with the test criteria of 913, but on the basis of real life experience, with a proven record of stopping one fire incident on a passenger ferry in a surprisingly short time with remarkably little damage to the engines and electrical installations.

Another advantage of the high pressure fine water mist system is that damage by shock cooling of, for example, cast parts is avoided.



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For further information, please contact:

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Water Mist

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