

Corporate Report

a report by
VID ApS

VID stands for vision, idea and design. VID ApS is one of the world's leading companies in consulting, development and full scale fire testing of water-mist systems, components and concepts.

VID ApS founder, Mr Carsten Palle, has extensive and profound technical experience developing sprinklers and water spray components. He is a member of the European Committee for Standardization (CEN) and the International Maritime Organization (IMO) working groups, and is involved in writing international standards for sprinkler and water mist systems. His vision for VID was to bring the fixed fire-fighting technologies one step further, by combining the strengths of the sprinkler technology, with those of the water mist technology. The result was VID's low-pressure water mist technology.

VID has custom-made a wide range of low-pressure water mist components and systems for maritime, offshore and onshore use. The systems have been tested and approved by the world's leading authorities and societies, according to the standards and norms that are also applicable to high-pressure water mist systems.

VID custom-developed products are marketed and installed worldwide by VID customers with their own brand names. As well as custom development, VID offer a range of their own low-pressure water mist products, and control systems for fire protection of various applications and locations. The smallest systems are fully automatic stand-alone micro-systems, which are installed for fire protection of items such as commercial fat-fryers, small machineries and other applications of limited sizes. The larger systems include components and systems for fire protection of rack storages, tunnels, maritime

and offshore decks, and aircrafts in aircraft hangers.

The VID low-pressure water mist concepts offer the benefits of low water discharge in the form of water mist spray with droplet sizes of typically Dv90 200 to 250µm together, with relatively low system water pressures in the range of three to 12 bars. The water mist spray equips the low-pressure mist systems with fire-fighting capabilities similar to that of other water mist systems. At the same time, the relatively low water pressure allows the water mist nozzles to have relatively large bores and water ways, making the nozzles less sensitive to impurities in the water and therefore, very reliable. The low water pressure also allows the use of standard pipes, fittings, valves and pumps to be used in the water mist systems. Furthermore, the combination of low water flow and low water pressure makes the VID low-pressure water mist fire protection systems require a minimum supply of power. ■

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