

# Commercial Building Low Pressure Watermist Fire Protection



## COMMERCIAL BUILDINGS

VID FIREKILL is a world leading innovative developer and manufacturer of water based firefighting products, specializing in fixed water based systems utilizing environmentally friendly firefighting methods.

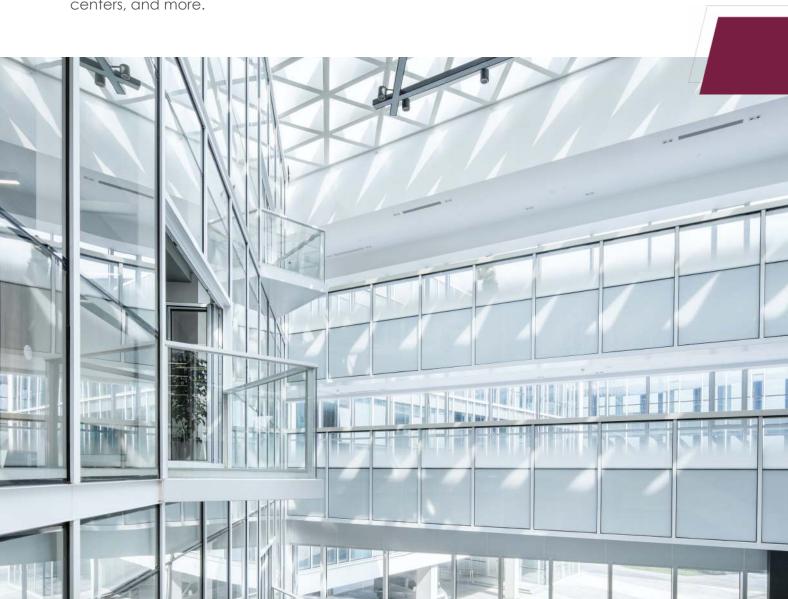
Commercial buildings are busy places full of potential fire hazards, and with their complexity and combination of functions, these buildings present unique challenges to fire protection.

VID FIREKILL offers complete fire protection of all types of commercial buildings such as office buildings, hotels, shopping centers, warehouses, hospitals, medical centers, and more.

The **FIREKILL™** low pressure watermist suppression system is designed to protect different areas of commercial buildings from fire and ensure the safety of people, protect property assets, and prevent expensive business interruptions.

The **FIREKILL™** low pressure watermist system complies with NFPA 750 and the European Standard 14972 for watermist systems.

The system only uses potable water as a suppression agent, making it safe for people and the environment.



#### COMPLETE FIRE PROTECTION

In compact downtown areas, commercial buildings are often multi-use buildings that serve more than one purpose. This may include shopping centers and food establishments at ground level, office spaces on upper floors, and underground parking garages.

These mixed occupancy buildings add additional challenges to fire protection due to the different kinds of fire groups.

10. Clinics

11. Storage rooms12. Server rooms13. Technical rooms14. Enclosed parking

The FIREKILL<sup>TM</sup> low pressure watermist system provides complete fire protection of multi-use buildings by combining different types of FIREKILL<sup>TM</sup> nozzles individually suited for specific areas and hazard groups.



# THE FIREKILL<sup>TM</sup> SYSTEM

The **FIREKILL™** system for protection of commercial buildings features uniquely designed low pressure watermist nozzles. The combination of nozzles depends on individual requirements and building type.

The **FIREKILL**<sup>TM</sup> OH nozzle range consists of patented automatic semi-concealed low pressure watermist nozzles specially designed for effective and reliable protection of OH1, OH2, and OH3 risks.

The OH nozzles come in pendent, sidewall and upright versions, and can be supplied with different finishes, colors and print to blend in with almost any kind of surface.

Large open spaces with excessive ceiling heights, such as atriums, are protected by small **FIREKILL**<sup>TM</sup> APS low pressure watermist sidewall nozzles. The unique nozzles can project a spray 13 meters from a single side to protect a maximum atrium width of 26 meters from opposing sides.

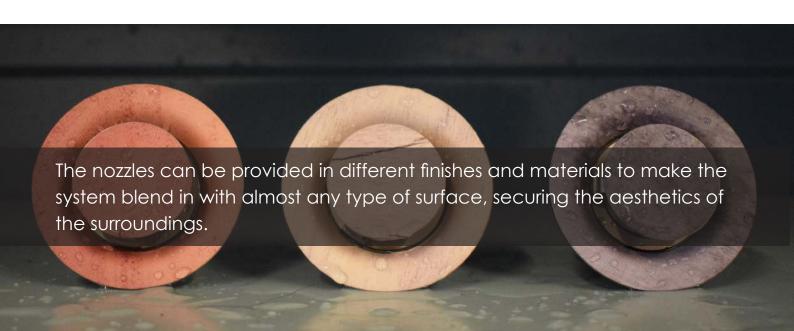
For fire protection of generator rooms, the system utilizes the **FIREKILL**<sup>TM</sup> open low pressure watermist K6 nozzles. The robust nozzles effectively suppress fire in high hazard equipment while keeping water damage to electrical equipment to a minimum.





Model APS







# FACTS ABOUT LOW PRESSURE WATERMIST

- Low pressure watermist systems can be designed, installed and maintained with the same skillset as conventional fire sprinkler systems.
- The low pressure watermist system offers an advantage over conventional fire sprinkler systems when it comes to water usage.
- Low pressure watermist systems use the same pressure class components as conventional sprinkler systems.
- Low pressure watermist systems are more robust and reliable than high pressure watermist systems as the system waterways and nozzle orifices are larger.
- Low pressure watermist systems require less electricity than conventional sprinkler systems and high pressure watermist systems.
- Low pressure watermist systems are approved to the same approval standards as high pressure watermist systems.

# BENEFITS OF THE FIREKILL SYSTEM

## Successfully tested and approved

The **FIREKILL**<sup>TM</sup> low pressure watermist system is approved to cover complete commercial buildings from fire. The system complies with NFPA 750 and the European Standard 14972 for watermist systems.

#### **Environmentally friendly**

The **FIREKILL**<sup>TM</sup> low pressure watermist system uses 60 - 90% less water compared to traditional fire sprinkler systems.

Firefighting without harmfull substances!

The low pressure watermist system only uses potable water as suppression agent, which makes the system safe for people and the environment.

# Cost effective, easy to install, and requires low maintenance

With the use of low water pressure and low water consumption the **FIREKILL**<sup>TM</sup> low pressure watermist system can be designed with small system components (e.g., pump, pipes, and fittings) resulting in cost savings. Further, as the system installation

procedures are similar to the installation of traditional fire sprinkler systems but with fewer nozzles and smaller pipes, installation work can be done fast and easily saving time and money.

#### Less damaging

The minimal water usage makes the system economical while also minimizing the risk of water damage to the building and essential equipment.

#### Robust and reliable

The low water pressure makes the system reliable and robust, and due to the system's large waterways and orifice design, the risk of strainers clogging is minimized.

#### Aesthetic fire protection

The **FIREKILL™** system can be delivered with nozzles in different paint and finishes to make the system blend in with almost any type of surface, securing the aesthetics of the surroundings. The nozzles can also be delivered with logo print.

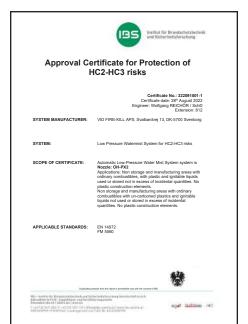


#### **APPROVALS**

All our products are successfully tested by ISO17025 accredited fire test laboratories and 3. party approved to comply with the latest updates on international approval standards for watermist system components for fire protection.

















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