



Superior Protection for Your People, Your Assets and Your Operations.

Clean. Safe. Effective.

Using technology developed by Securiplex, Hiller Water Mist specializes in the manufacture of water mist/fog fire protection solutions. To date, our systems have been in high profile installations such as the New York subway system, the British/Franco Euro tunnel, the navies of the USA, Canada, United Kingdom and more.

As pioneers of the fire suppression industry, we are at the forefront of innovation and development. Hiller Water Mist, formerly Securiplex, helped to establish North American industrial water fog/mist technology by working with FM to develop the appropriate test protocols and – in 1995 – received the first FM-approval ever issued for a water fog/mist fire protection system. Our state-of-the-art systems provide the performance, efficiency and reliability needed to ensure that your people, equipment and operations remain safe and productive. Government testing has proven that our systems surpass all other major manufacturers in extinguishment times.

Our team of engineers and specialists will work with you to design the most cost-efficient solution without compromising protection of your personnel, equipment or property.



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Water Fog/ Mist Systems for Marine and Offshore Application

FIRE-SCOPE® Series Benefits

The FIRE-SCOPE® series of fog/mist fire protection systems consume less water than conventional sprinkler systems and provide better extinguishing capabilities than gaseous systems — with no hazard to your personnel. Fog/Mist poses no risk to hot mechanical equipment and electrical components while limiting post-discharge clean up and damage. Effectiveness of the fog/mist is unaltered by breach of enclosure integrity, and the cooling quality greatly reduces risk of re-ignition.

Through our R&D activities and our many approvals, a whole host of applications are suitable for our FIRE-SCOPE® water fog/mist systems including emergency diesel generators, engine rooms, boiler fronts, purifiers and accommodation space protection, in addition to many other applications.

Features and Benefits of Hiller Water Mist FIRE-SCOPE® Series Systems

- ▶ Uniformly reduce temperature of hot metal surfaces to prevent re-ignition.
- ▶ Small droplets greatly reduce radiant heat transfer to other equipment and firefighting personnel.
- ▶ Very small amount of water required compared to conventional sprinkler system. Large percentage of water discharged is converted to steam by fire.
- ▶ No downtime for recharge.
- ▶ Effective for scrubbing smoke and other toxic gases.
- ▶ Collateral damage is minimized (heat reduction, scrubbing, small amount of water used).
- ▶ Test protocols require fire extinguishment, not merely fire control.
- ▶ Air tight enclosure not required as with clean agents and CO2.
- ▶ Virtually unlimited discharge time – limited only by availability of water.
- ▶ Extinguishing agent (water) is essentially zero cost.
- ▶ May be furnished as self-contained system requiring no connection to vessel utilities other than power supply for maintaining control panel battery charge.



FIRE-SCOPE® 5000

Versatile. Efficient.

The Hiller Water Mist FIRE-SCOPE® 5000 is a high-pressure single-fluid system operating at a pressure of approximately 750 psig (52 barg). This allows for the use of small diameter piping/tubing for faster installation times and cleaner looking installations. In addition to being FM-approved, the FIRE-SCOPE® 5000 system has been approved by USCG and other marine approval authorities such as ABS and Lloyd’s Register. FIRE-SCOPE® 5000 utilizes stainless steel nozzles with titanium orifice tips to provide superior resistance to wear and abrasion.

FIRE-SCOPE® 5000 Can Be Manufactured to Military Specifications

The systems used on the Canadian Patrol Frigates (CPF) and U.S. Navy Littoral Combat Ship Class (LCS) vessels were designed to meet the extreme conditions that arise during life-threatening combat situations. Designed to withstand excessive shock and vibration, Hiller Water Mist water mist systems are the best choice to keep your crew safe while providing reliable fire protection.

Hiller Water Mist Nozzle Testing Shows Superior Performance

Naval Research Laboratory testing on the USS Shadwell proved that the Hiller Water Mist nozzle outperformed all nozzle types from major manufacturers. Tested in a 1000m3 turbine/machinery space, our nozzle extinguished all test fires, 1MW-5MW, in less than Navy-established parameters by a wide margin. Applications of 1001-2000 m3 were in accordance with NAVSEA protocol.

...The FIRE-SCOPE® 5000 nozzle should be considered as a COTS high pressure water mist technology for machinery space fire protection applications...

Excerpted from the National Research Laboratories Report 6180/0263A:FWW, August 2007

Customized Systems Built for Your Project

Military Vessels, Commercial Vessels, Offshore Drilling, Production and Support Vessels – The Ultimate Solution

The typical system provided is based on an electrical drive system. In situations where the installation is in a remote location or there is no access to electrical power, the FIRE-SCOPE® 5000 system may be offered in a stand-alone, self-contained, air powered configuration. Hundreds of systems have been installed worldwide at such locations as offshore oil and gas production facilities for Brazil’s largest producer, several leading offshore drilling and production companies worldwide as well as U.S. Navy, Coast Guard and commercial vessels. The FIRE-SCOPE® Series provides total flooding, local application protection, accommodation space or other light/ordinary hazard protection for:

Markets

- Military Vessels
- Commercial Vessels
- Offshore Oil Rigs
- Platform Supply Vessels
- Any Other Sea-going Ship

Applications

- Gas Turbines
- Diesel Generators
- Machinery Spaces
- Pump Rooms
- Oil Purifiers
- Boiler Fronts
- Incinerators
- Accommodation Spaces
- Battery Rooms

A SECURIPLEX Technology

The SECURIPLEX name is synonymous with water mist technology and has been a leader in the fire protection industry for more than 40 years. As the original manufacturer of water mist technology, the company began in Dorval, Quebec, Canada and in 2006, sold its FIRE-SCOPE® 2000 Water Mist Fire Suppression System and FIRE-SCOPE® 5000 High Pressure Water Mist System product lines to the newly formed SECURIPLEX under ownership of The Hiller Companies.

While we have refreshed the look and feel of SECURIPLEX to better align with the Hiller family of brands, Hiller Water Mist will always be proud to be recognized as a SECURIPLEX technology. We are poised to continue offering our clients the best in fire protection well into the future. We are dedicated to innovation that will allow water mist technology to continue to grow into other applications and markets not foreseen today.