High Pressure Water Mist Applications for Roof Structures
Water Mist
Applications for Roof Structures

“High pressure water mist systems is the smarter way of fire fighting and protecting beautiful architecture in heritage and modern buildings.”

HIGH PRESSURE WATER MIST

The historical significance of Notre-Dame Cathedral is iconic, the fire event that unfolded before the world in April 2019 was tragic in both a biblical sense and from a fire protection perspective. The fire devastation witnessed by the world has certainly caused a ripple effect in the fire protection industry that has been felt throughout Europe and indeed around the world.

This has certainly put custodians of other significantly cultural and heritage listed buildings on notice, who are now turning their attention to the current level of fire protection measures (or lack thereof) installed within buildings of similar stature in their own domains.

In Australia, Fire Protection Technologies have begun to work with engineers and custodians of several historical buildings in order to assess the current fire protection measures and assist with recommendations for enhanced fire protection in order to avoid a repeat of the Notre-Dame fire.

Our supply partner, FOGTEC Brandschutz GmbH, have available tested and certified High Pressure Water Mist Systems specifically designed to protect roof structures in heritage and cultural buildings and have already installed many such systems throughout Europe.

In conjunction with FOGTEC, Fire Protection Technologies have the required engineering skills and proven systems to assist in the design and implementation of suitable fire protection systems to protect all types of historical and culturally significant buildings.

Utilisation of small bore pipework makes the system easily concealable within older historical structures and buildings.

UNIQUE COOLING EFFECT

Parameters fulfilled by the FOGTEC High Pressure Water Mist System:
- Small weight to match with load-bearing capacity of heritage wood structures
- Strong cooling effect to cool and protect steel or wood structures
- Easy to retrofit, small space demand
- Flexible pipe routing
- Minimise consequential water damage

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OUR COMMITMENT
“To provide our customers with the best possible service, the highest quality products and the right solution for your needs”
PRODUCTS:

**Gaseous Suppression**
- Inert Gas (IG-01, IG-55, IG-100, IG-541)
- Novec 1230™ Fluid (FK-5-1-12)
- FM-200® / NAF S 227 (HFC-227ea.)
- Ecaro 125® / NAF S 125 (HFC-125)
- Carbon Dioxide (CO₂)
- Hybrid Systems (N₂ / Water)
- Pressure Relief Vents
- Enclosure Integrity Testing Equipment
- Pipe & Fittings

**Water Suppression**
- Water Mist - High Pressure
- Water Mist - Intermediate Pressure
- Water Mist - Low Pressure
- Hybrid Systems (Water / N₂)
- Monitors & Delivery Systems
- High Speed Deluge

**Foam Suppression**
- Foam Concentrates
- Foam Proportioning
- Foam Delivery Systems
- Foam Concentrate Testing

**Explosion Protection**
- Explosion Suppression
- Explosion Isolation
- Explosion Vents & Pressure Relief
- Spark Suppression
- Explosibility Testing

**Fire Detection**
- Linear Heat Detection - Digital
- Linear Heat Detection - Fibre Optic
- Linear Heat Detection - Micro Chip
- Flame Detection
- Video Imaging Detection
- Spark Detection
- Control & Indicating Equipment
- Thermal Imaging Detection
- Aspirating Smoke Detection

**Military & Defence**
- Military Vehicles
- Naval Vessels

**Special Applications**
- Micro Environment
- Oxygen Reduction
- Kitchen Protection Systems
- Dry Chemical
- Vehicle Systems
- Compressed Air Foam
- Marine & Offshore
- Vapour Mitigation

**Support Services**
- Design / Engineering
- Technical Support
- Services & Testing

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‘Every solution for your special hazard needs’