



▲ AquaMist®

Water Mist Systems – Guidelines, Applications and why they are smart for the use in Data Centres

2026

Dirk Laibach

Agenda

- Introduction to Water Mist
- Types of Water Mist Systems
- Water Mist Standards
- Water Mist Applications (Focus on Data Centres)
- Key System Components
- Comparison with other Technologies
- How to go along with a new project?
- Technical Support & Training



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Introduction to Water Mist

Water Mist Fire Science

EN14972-1

NFP750



Definition

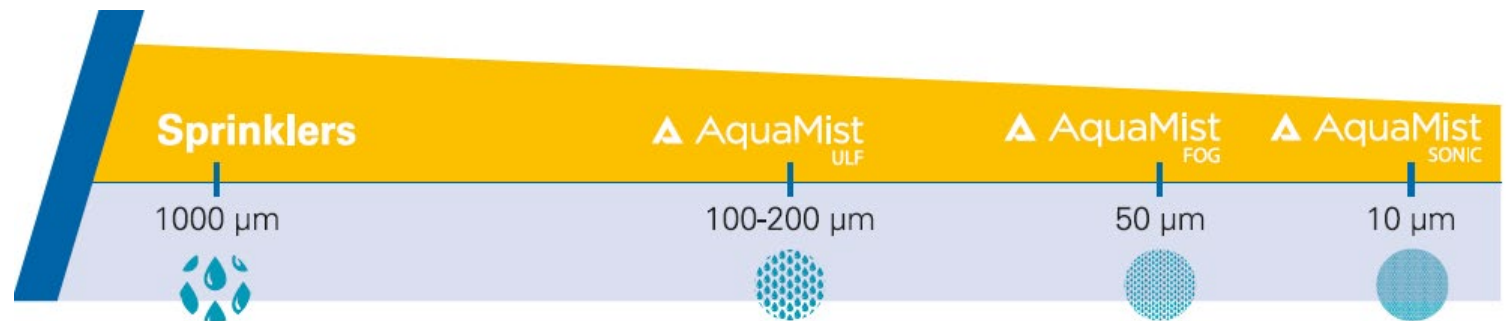
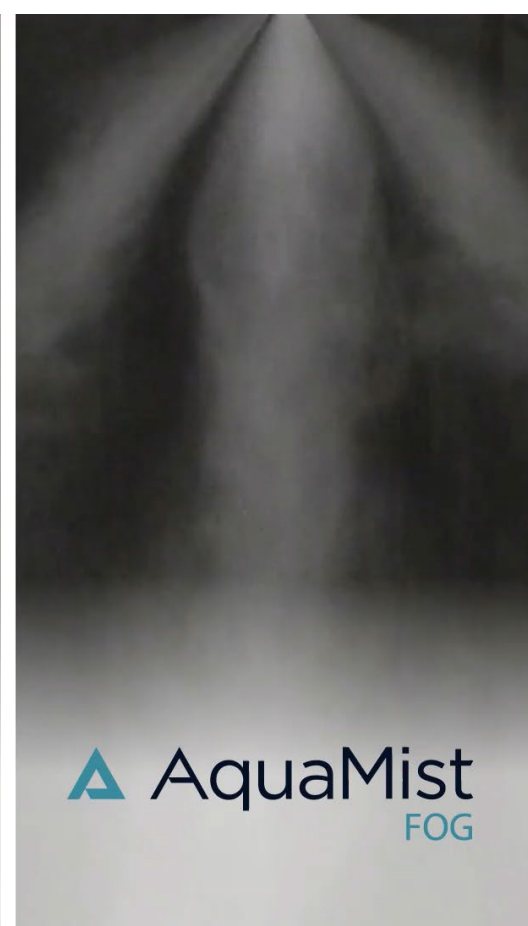


EN 14972-1

Water spray for which the DV0.90 is less than 1mm, measured in a plane 1m from the nozzle, at its minimum operating pressure.

NFPA 750

Water spray for which the Dv0.99, for the flow-weighted cumulative volumetric distribution of water droplets is less than 1000 μm within the nozzle operating pressure range.



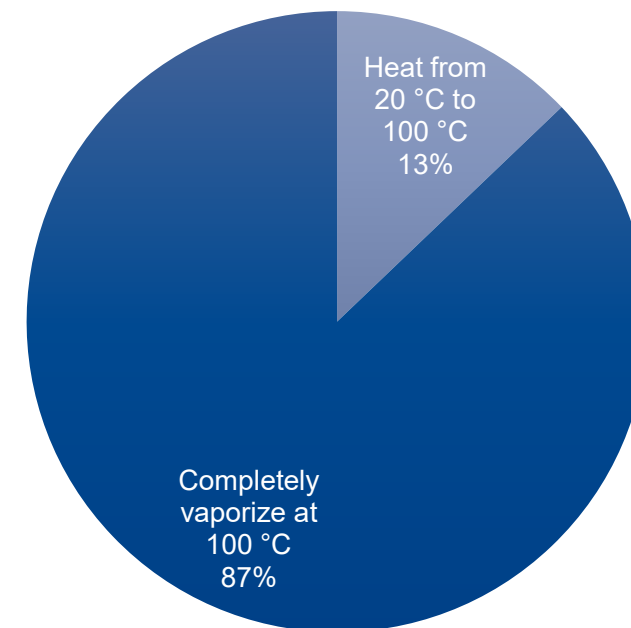
Thermal Properties of Water

Energy Absorbtion

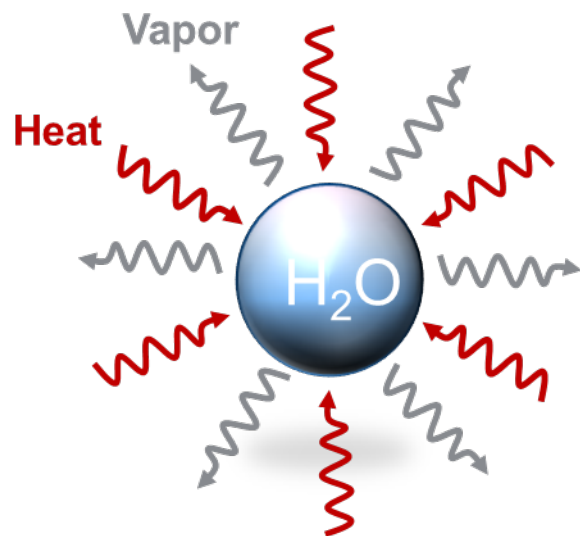
- 335 kJ to heat 1 litre of water from 20°C - 100°C
- 2257 kJ to vapourize water to steam

Volumetric Expansion

- Vaporization displaces air equivalent to 1650 times its original volume.
- “Inerting-effect” around the fire



- Heat from 20 °C to 100 °C
- Completely vaporize at 100 °C



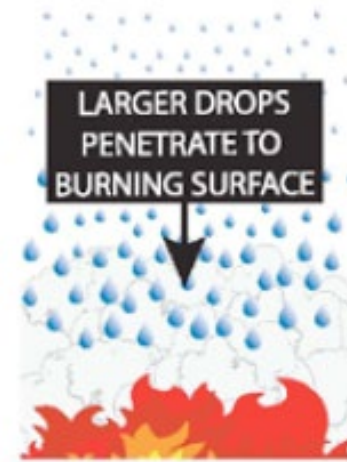
Fire Suppression Mechanics



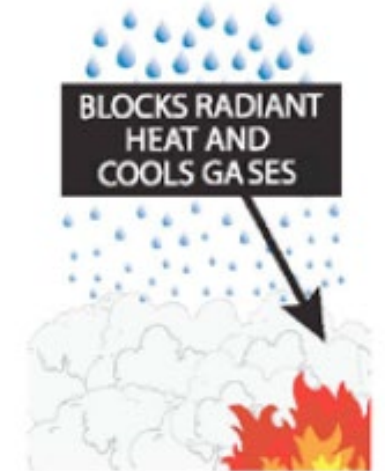
- Evaporation (Heat extraction)
- Small Droplet Size & Large Surface Area
- Increased Cooling Effect



- Water Converts to Vapour
- Expanding by a factor of 1650
- Oxygen is displaced
- Higher Temperature Fire = Faster Vaporisation



- Mixture of Droplet Sizes Enhance Performance
- Small Droplets Extract Heat
- Larger Droplets Help to Penetrate Fire Plume



- Small droplets remain suspended in air
- Cooling the gasses and other fuel.
- Blocking Radiant Heat to Adjacent Combustibles
- Pre-Wetting

Types of Water Mist Systems



Types of Water Mist Systems (NFPA 750)



High Pressure System

- A water mist system where the distribution system piping is exposed to pressures of 34.5bar or greater (500psi).

Intermediate Pressure System

- A water mist system where the distribution system piping is exposed to pressures of greater than 12.1 bar (175psi) but less than 34.5 bar (500psi).

Low Pressure System

- A water mist system where the distribution system piping is exposed to pressures of 12.1bar or less (175psi).

Types of Water Mist Systems

- NFPA 750 Introduced Pressure Definitions;
 - High Pressure Systems
 - Intermediate Pressure Systems
 - Low Pressure Systems
- EN 14972-1 Has No Pressure Definitions
- BS 8489-1 Has No Pressure Definitions

Water Mist is Water Mist
Not Matter How it is Generated!

Pressure does not define effectiveness and design criteria – fire tests and resulting approvals do!



Does Pressure Matter?



AquaMist FOG - High Pressure (100 Bar)

- IMO 913 Local Application (6 MW Spray Fire)
- ~8L/min
- 3m x 3m Nozzle Spacing
- 0.88mm/m²
- 12% More Efficient than Low-Pressure



AquaMist ULF - Low Pressure (12 Bar)

- IMO 913 Local Application (6 MW Spray Fire)
- ~16L/min
- 4m x 4m Nozzle Spacing
- 1mm/m²

Does Pressure Matter?



AquaMist FOG - High Pressure (70 Bar)

- VdS Office Space Test Protocol
- ~40L/min
- 4.25m x 4.25m Nozzle Spacing
- 2.2mm/m²



AquaMist ULF - Low Pressure (7.6 Bar)

- FM5560 Fire Test Protocol (HC-1 Applications)
- ~23.5L/min
- 3.7m x 3.7m Nozzle Spacing
- 1.7mm/m²
- 20% More Efficient than High-Pressure

Comparison with Conventional Sprinklers (OH-1)



Building Protection
Ordinary Hazard 1 (OH-1)
AquaMist ULF AM29 Nozzle
23.5 l/min



Building Protection
Ordinary Hazard 1 (OH-1)
Standard Coverage Sprinkler
60.0 l/min



Types of Water Mist Systems - Operation



Deluge

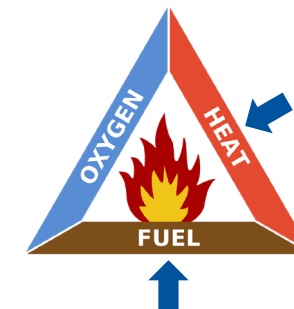
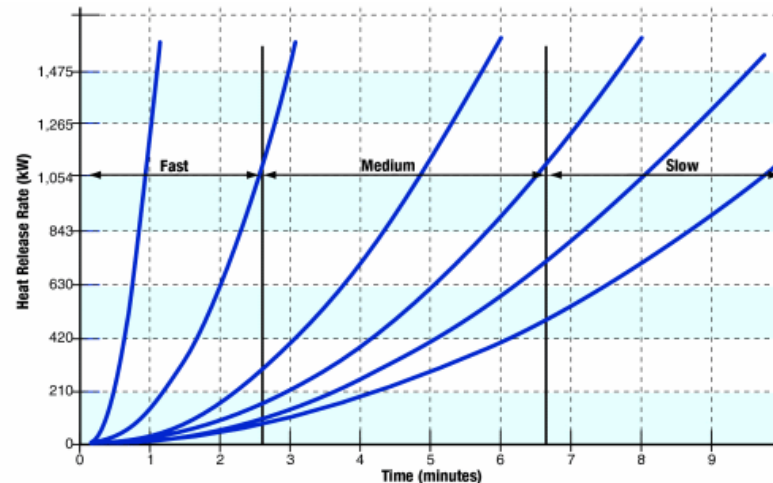
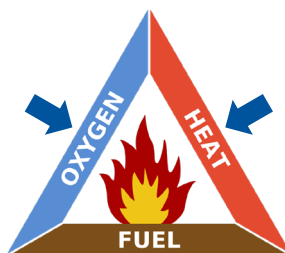
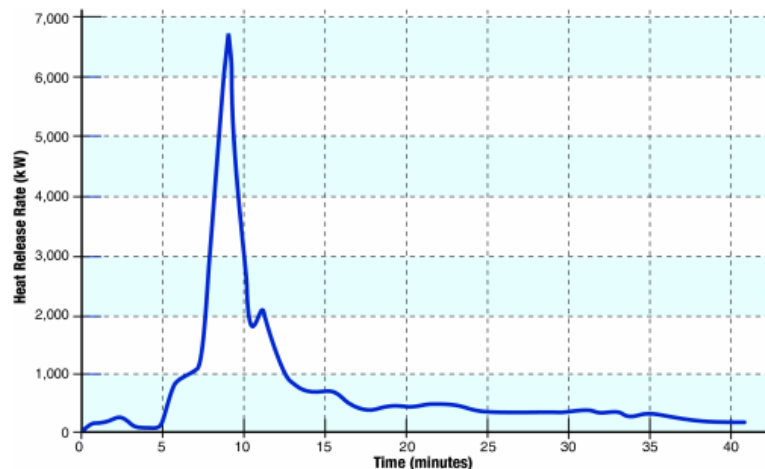
- Open Nozzles
- Activated by Fire Detection System
- All Nozzles Discharge Simultaneously
- Total Compartment (Total Flooding) Systems
- Local Application Systems



Automatic

- “Closed” Nozzles (Wet System)
- Activated by Integrated Temperature Bulb
- Only Nozzles Affected by Fire Will Operate
- Building Protection Systems
- Hydraulically Most Remote / Most Favourable Design Area

Types of Water Mist Systems - Objective



Extinguishing (Deluge System)

- Flammable Liquid Fires (Class B / Class F)
- High Heat Release Rates
- Heat Absorption & Oxygen Reduction, Cooling
- Radiant Heat Blocking
- Alternative to conventional sprinklers and gas suppression

Control (Automatic System)

- Ordinary combustibles (Class A)
- Low Heat Release Rates
- Heat Absorption, Cooling
- Radiant Heat Blocking & Pre-Wetting Combustibles
- Alternative to traditional sprinklers

Water Mist System Standards



Watermist Design Standards and Fire Test Protocols

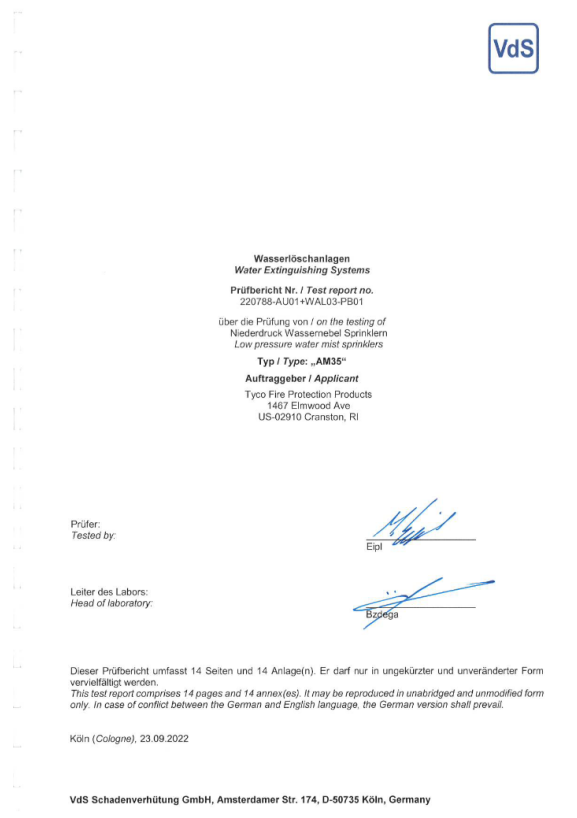
CEN	VdS	NFPA	FM
<p>EN 14972-1</p> <ul style="list-style-type: none"> Fixed firefighting systems Watermist systems Design and installation Installation and maintenance criteria Duration Design area No nozzle design criteria! 	<p>VdS 3188</p> <ul style="list-style-type: none"> Water Mist Sprinkler Systems and Water Mist Extinguishing Systems (High Pressure Systems) - Planning and Installation Installation and maintenance criteria Duration Design area No nozzle design criteria! 	<p>NFPA 750</p> <ul style="list-style-type: none"> Standard on Water Mist Fire Protection Systems Installation and maintenance criteria Duration Design area No nozzle design criteria! 	<p>FM 4-2</p> <ul style="list-style-type: none"> Water Mist Systems Installation and maintenance criteria Duration Design area No nozzle design criteria!
<p>EN 14972-2...17 (FM, VdS, LPCB, DFL, ISO)</p> <ul style="list-style-type: none"> Fire suppression performance criteria Component approval 	<p>VdS 3883-1...8 Reference Tested Against Conventional Sprinklers</p> <ul style="list-style-type: none"> Fire suppression performance criteria Component approval 	<p>FM 5560 Appendix A...P UL2167 VdS 3883-1...8 EN 14972-2...17</p> <ul style="list-style-type: none"> Fire suppression performance criteria Component approval 	<p>FM 5560 Appendix A...P</p> <ul style="list-style-type: none"> Fire suppression performance criteria Component approval

High pressure = System approval
 Low pressure = Component approval

Water Mist Systems Approval Process

3rd party type approvals to VdS, FM, etc

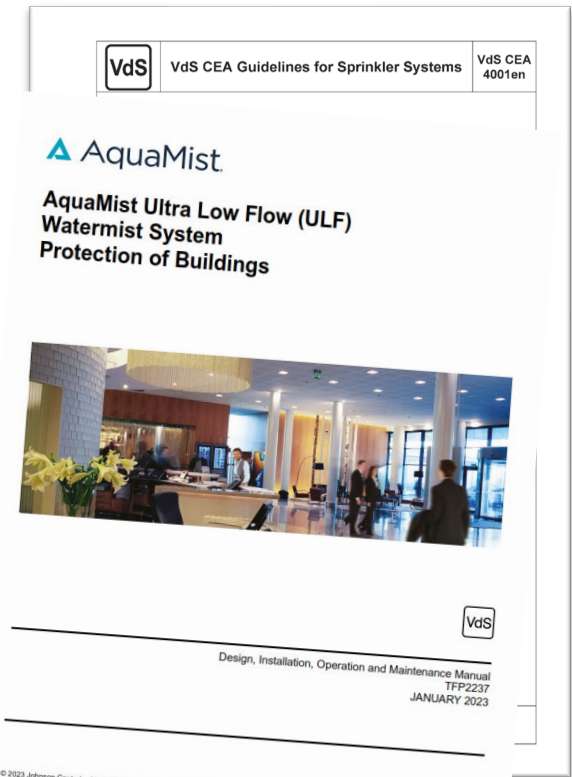
- Full Scale Fire Test
 - Approved by third party



- Components Test
 - Approved by third party



- Manufacturers DIOM
 - Design standard



Water Mist Standard – EN14972 fire test protocols parts 2-17

EN 14972 consists of the following parts:	Section name	Based on	Status October 2025
EN 14972 part 1 + A1	Design, Installation, inspection and Maintenance		published
EN 14972 part 2	Shopping and sales areas	VdS	Formal Vote
EN 14972 part 3	Office, school and hotel	VdS	published
EN 14972 part 4	Non storage occupancies	FM5560	published
EN 14972 part 5	Car garage	VdS	published
EN 14972 part 6	False floor and ceiling	VdS	published
EN 14972 part 7	Commercial low hazard occupancies	BS8489	published
EN 14972 part 8	Machinery enclosures >260m ³	FM5560	published
EN 14972 part 9	Machinery enclosures <260m ³	FM5560	published
EN 14972 part 10	Atrium	DFL	published
EN 14972 part 11	Cable tunnels	VdS	published
EN 14972 part 12	Commercial deep fat fryers	ISO	published
EN 14972 part 13	Wet benches and similar processing equipment	FM5560	Formal Vote
EN 14972 part 14	Combustion turbine enclosures >260m ³	FM5560	published
EN 14972 part 15	Combustion turbine enclosures <260m ³	FM5560	published
EN 14972 part 16	Industrial Oil cookers	FM5560	published
EN 14972 part 17	Residential and domestic occupancies	BS8458	published



EN 17450 part 1-X: Requirements for watermist components such as nozzles, valves, filters/strainers, pumps



Water Mist Standard – EN14972: fire test protocols parts 2-17



Standard	Name	Based on
EN 14972 part 1	Design, Installation, inspection and Maintenance	
EN 14972 part 2	Shopping and sales areas	VdS
EN 14972 part 3	Office, school and hotel (<i>note: incl. Residential and Domestic</i>)	VdS
EN 14972 part 4	Non storage occupancies (<i>note: incl. Residential and Domestic</i>)	FM5560
EN 14972 part 5	Car garage	VdS
EN 14972 part 6	False floor and ceiling	VdS
EN 14972 part 7	Commercial low hazard occupancies	BS8489
EN 14972 part 8	Machinery enclosures >260m ³	FM5560
EN 14972 part 9	Machinery enclosures <260m ³	FM5560
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EN 14972 part 16	Industrial Oil cookers	FM5560
EN 14972 part 17	Residential and domestic occupancies	BS8458



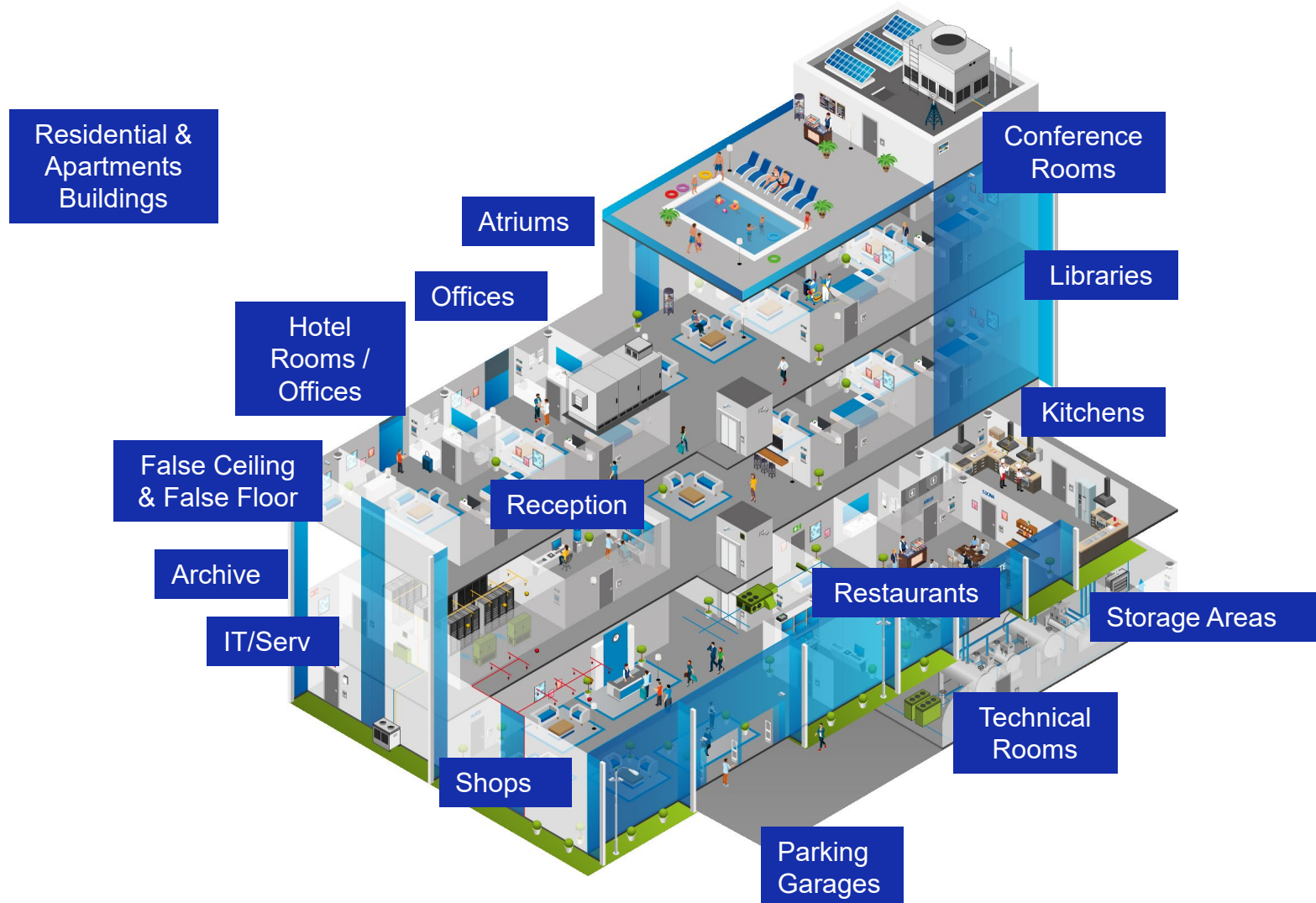
EN 17450 part 1-X: Requirements for watermist components such as nozzles, valves, filters/strainers, pumps



Building Protection areas according to EN14972



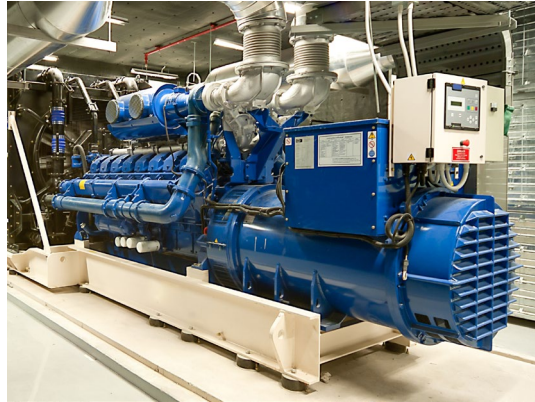
prEN14972-2
EN14972-3
EN14972-4
EN14972-5
EN14972-6
EN14972-7
EN14972-17



Industrial Applications according to EN14972 Machinery Spaces & Combustion Turbines



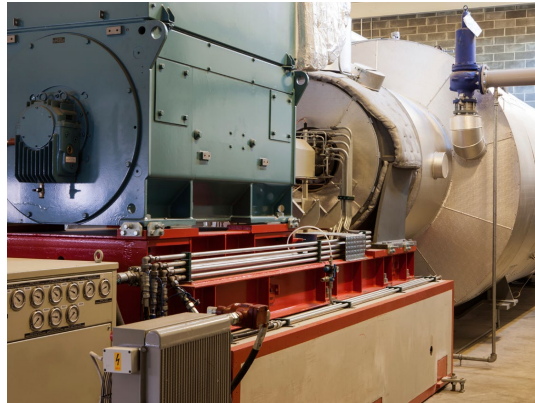
EN14972-8
EN14972-9
EN14972-14
EN14972-15



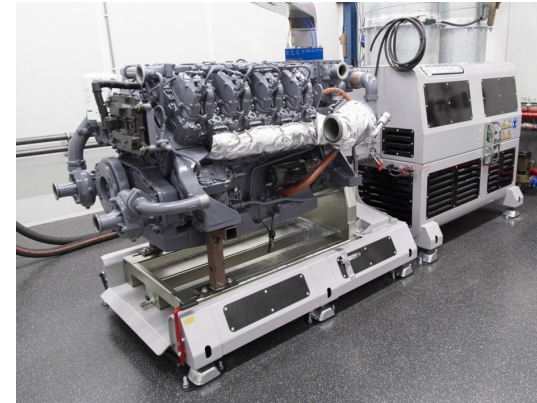
DRUPS Generator & MS Rooms



Transformer Rooms



Combustion Turbines



Engine Test Cells

Industrial Applications according to EN14972 Oil Cooking Fryers (Commercial and Industrial)



EN14972-12
EN14972-16



Industrial Applications according to EN14972

Cable Tunnels

 AquaMist.



EN14972-11



Industrial Applications according to EN14972 Wet Benches

AquaMist.



prEN14972-13



Water Mist Applications

- Building Protection
- **Data Centres**
- Industrial Applications



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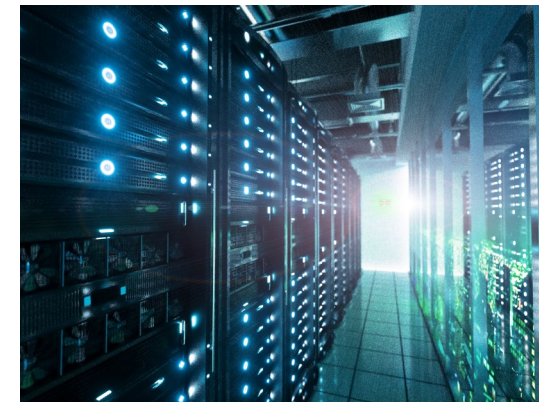
Applications / Third Party Approvals

Focused approach where third party protocol and certification exist and are accepted

- FM5560
 - Fire Performance Testing
 - Component Testing
 - DIOM check
- LPCB (BS)
 - Fire Performance Testing
 - Component Testing
 - DIOM check
- VdS
 - Fire Performance Testing
 - **Reference Tested Against Conventional Sprinklers**
 - Component Testing
 - DIOM check



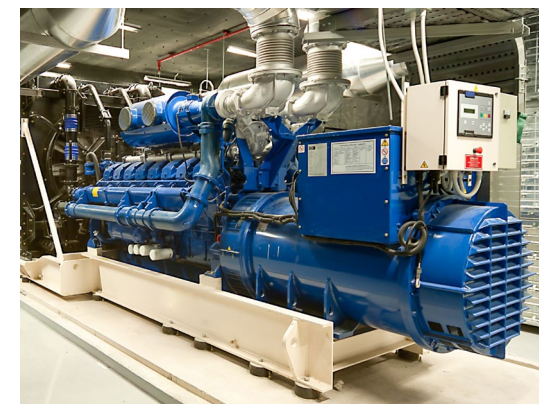
Building Protection (all)



Data Centres



Industrial Fryers



Machinery Spaces

Building Protection (incl. Residential / Domestic)

Fire Characteristics

- Ordinary Combustibles
- Low Heat Release Rates

System Type

- Automatic / “Wet” System

Objective

- Control

Alternative to

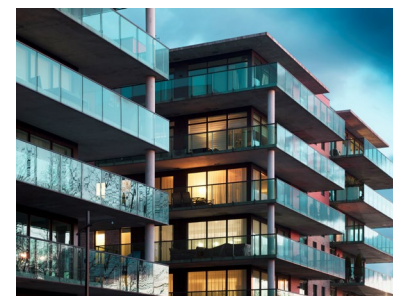
- Conventional Sprinklers

Advantages

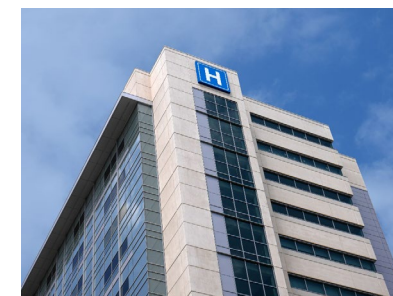
- Up to >60% Reduction in Water Demand
- Reduced Water Supply Infrastructure
- Reduced Pipe Sizes
- Limited Consequential Damage
- Better environmental footprint (reduced materials)



Office Buildings



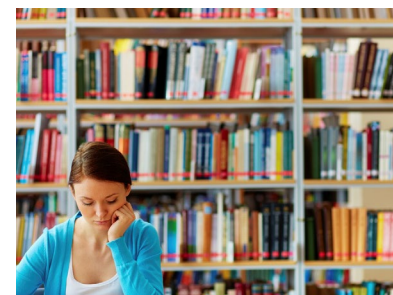
Hotels / Apartments



Hospitals



Care Homes/Residential



Libraries / Archives



Sales areas

Watermist for Data Centres - Why to use smart Watermist Systems (AquaMist ULF)?

Fire Characteristics

- Mixed Combustibles / Medium Heat Release Rates

System Type

- Automatic / "Pre Action" System

Objective

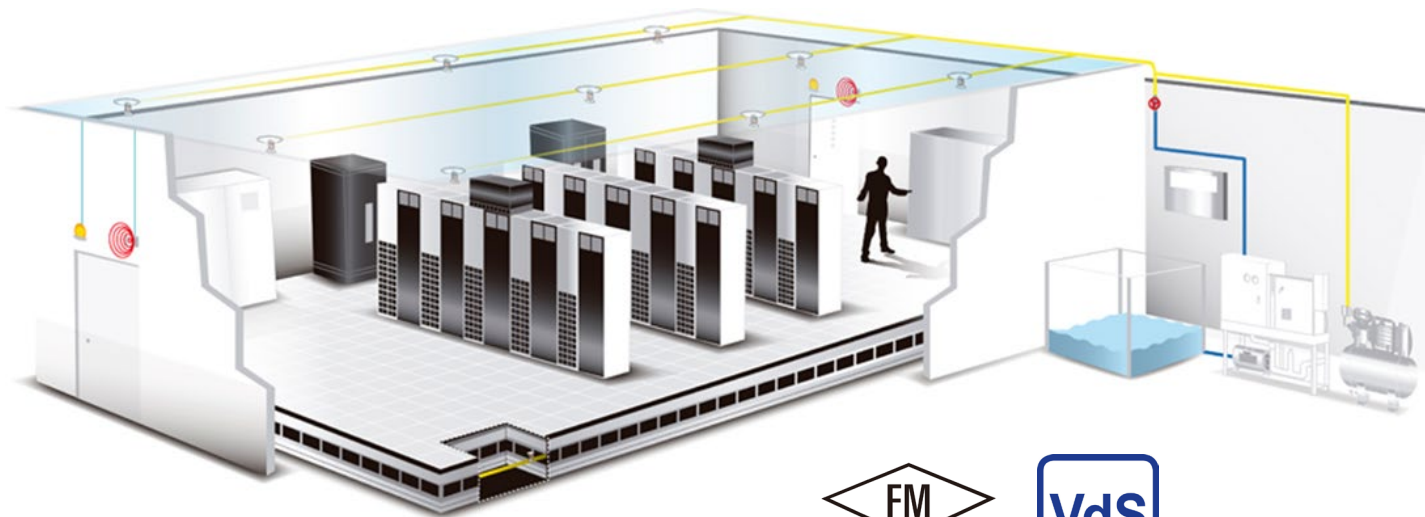
- Suppression / Control

Alternative to

- Gaseous Suppression & Conventional Sprinklers

Advantages (Smart Benefits)

- Application Specific, **Proven Performance**
- Protection of the Entire Facility
- **Reduction** in Water Demand (compared to sprinklers)
- **Reduced** Water Supply & Infrastructure - smaller pump/cylinder room (less weight)) (Gas/Sprinkler)
- **Reduced** Pipe Sizes (better CO₂ Footprint, less material use)
- **Limited** Consequential Damage (compared to Sprinkler)
- **No tight room** needed (compared to Gas)
- **No pressure relief device** needed (compared to Gas)
- **No environmental harm** as using water (compared Gas, CA)
- **Immediate set back to operation** after an incident is possible (compared to Gas > time consuming refilling process))
- **Stainless Steel** Piping with JCI **10-year Warranty** (Gas/Sprinkler)
- AquaMist ULF **combination** with TYCO Sprinklers possible



The Data Center Building

Which areas require an **active Fire Protection System**?

Data Halls (Sensitive Area > **smart protection with water mist**)

- Room / White Space
- Ceiling Void / Air-Plenum
- Floor Void
- Concealed Spaces

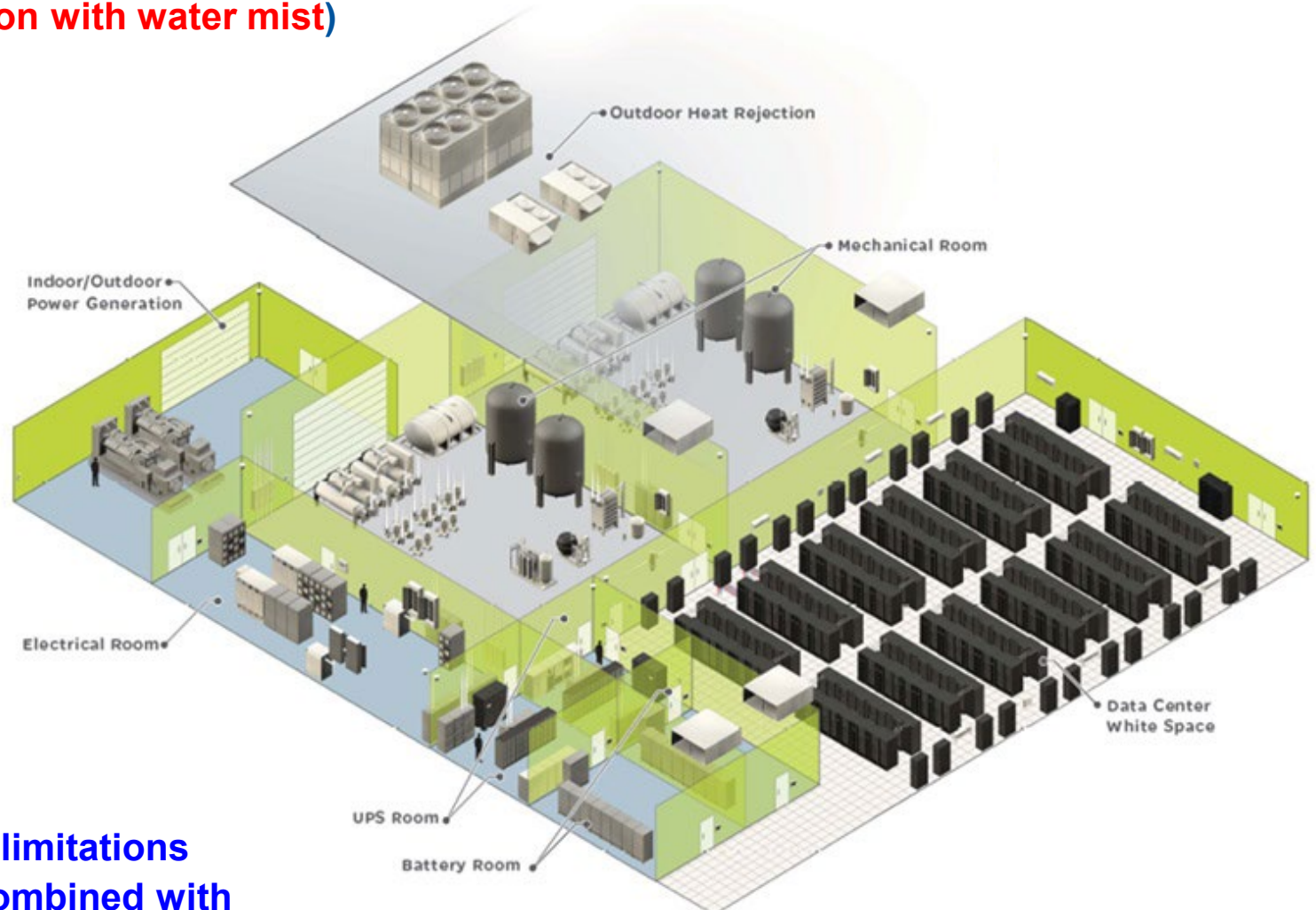
Surrounding (Building Areas)

- Circulation Corridors
- Office Areas
- Back-up Power Generation (e.g. DRUPS)

Other Spaces

- Storerooms
- Loading Bays
- Electrical Risks

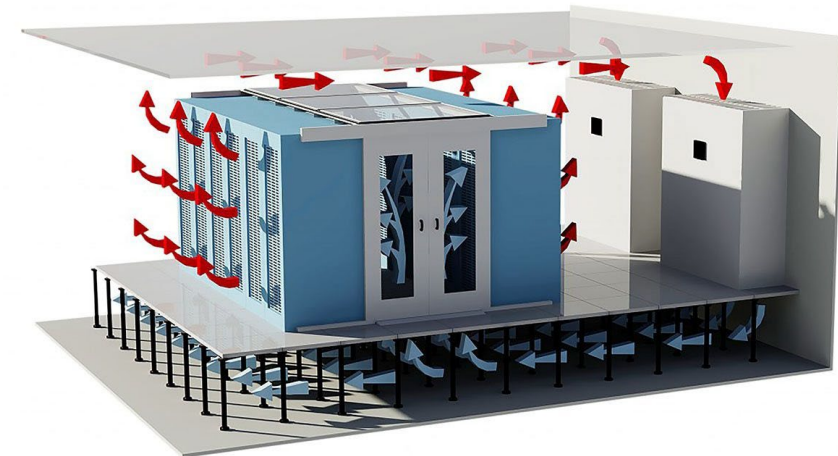
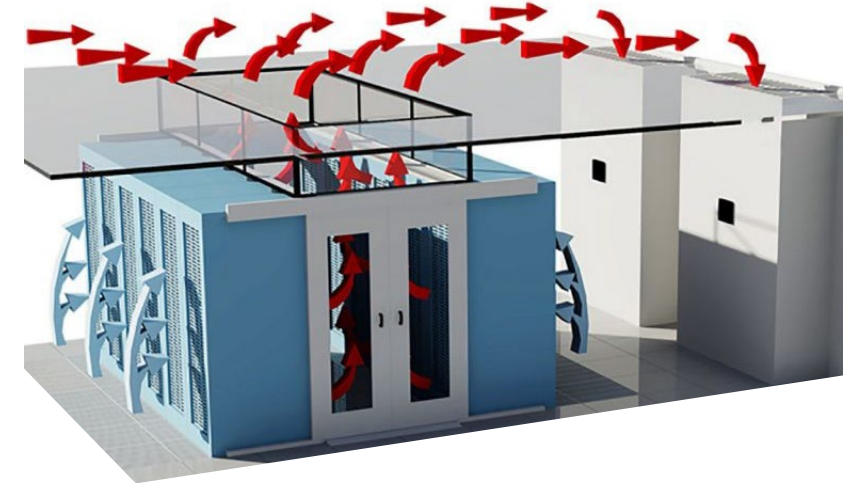
When probably Watermist may have some limitations
low pressure water mist systems can be combined with
sprinklers by utilizing the same pump and tank
all delivered and designed from JCI (one hand supply)!



Data Center White Hall - Protection Challenges – Can Watermist mitigate with this challenges?

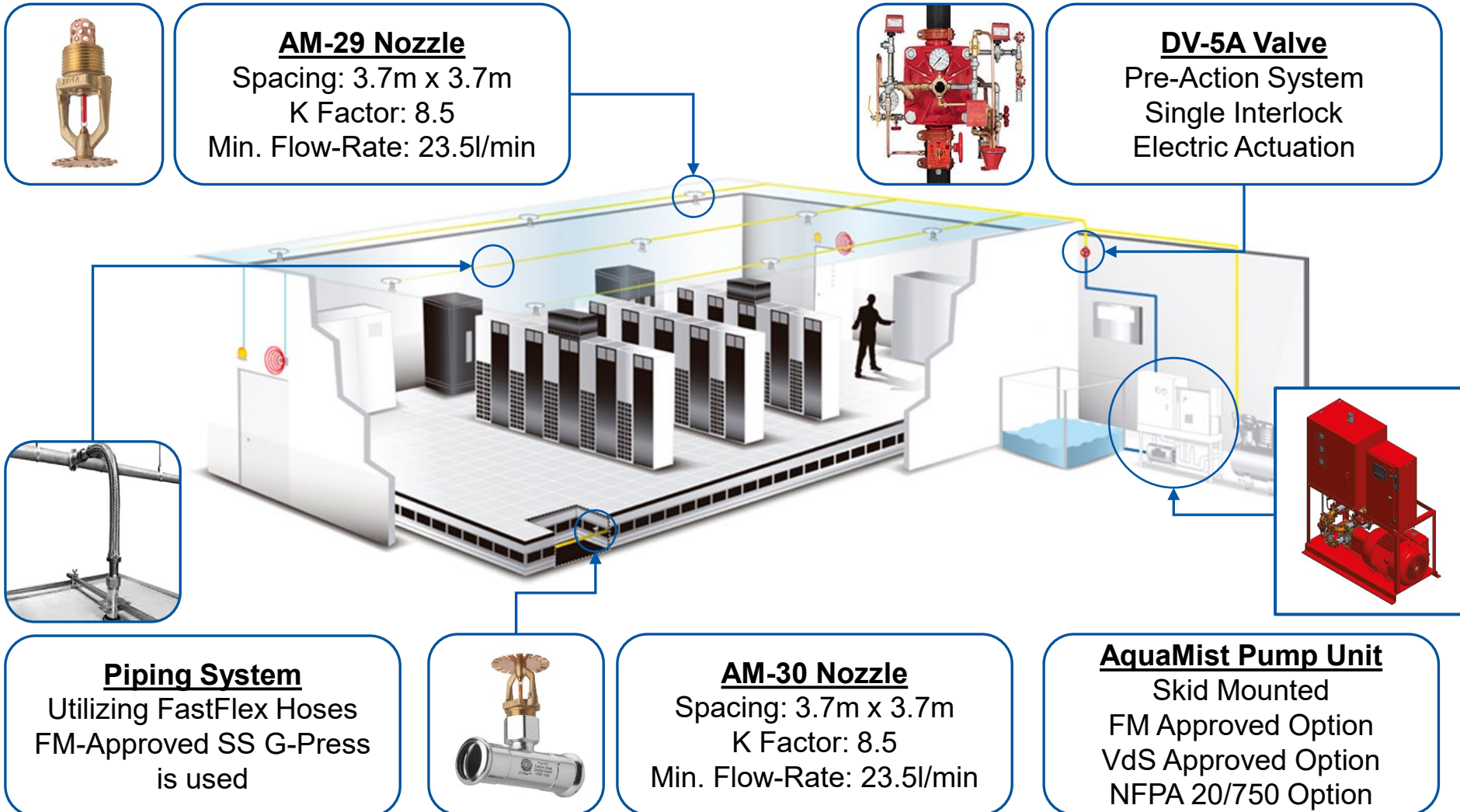
- Propagating fire loads
 - Cable trays
- Highly Obstructed
 - Enclosed hot aisles and/or cold aisles
 - Structural services
 - M&E services
- Ventilation Strategy
 - High air-flow velocities
 - Temperature variation

✓ **Watermist is perfect for this use!**
The challenges have been addressed in
FM's performance-based DC fire tests!



AquaMist ULF- The Watermist Data Center White Hall Solution

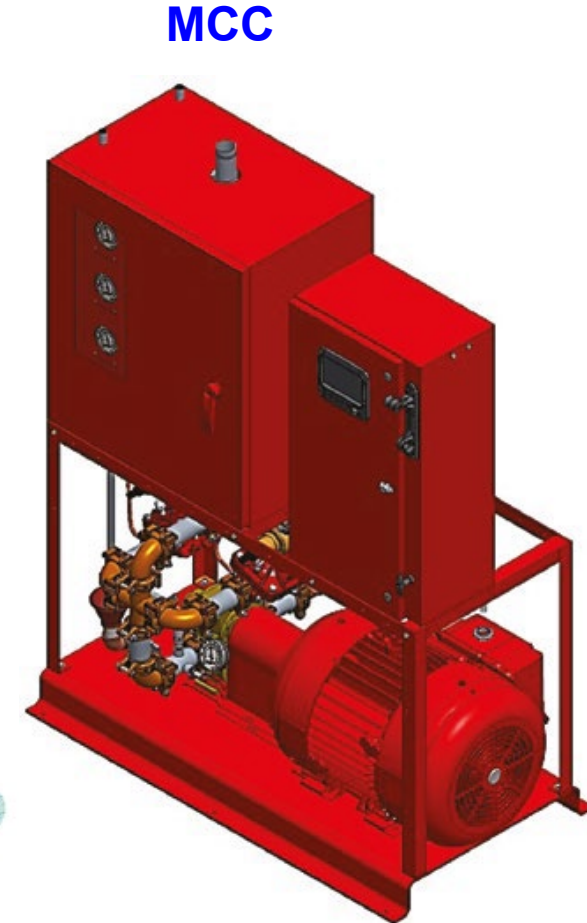
A Smart System - The Overview



AquaMist/Watermist - MCC/EMCC Pump Skid

Compact, Small and Smart pump skids - optimal use in Data Centres

- ✓ FM approved pump skids
- ✓ NFPA 20 (NFPA750) compliant pump skids with listed components
- ✓ VdS approved pump skids
 - For Installations where FM approval is not required
- ✓ Skid-mounted (easy handling)
 - Pre-piped
 - Pre-wired
- ✓ Supplied including Technical Service by JCI



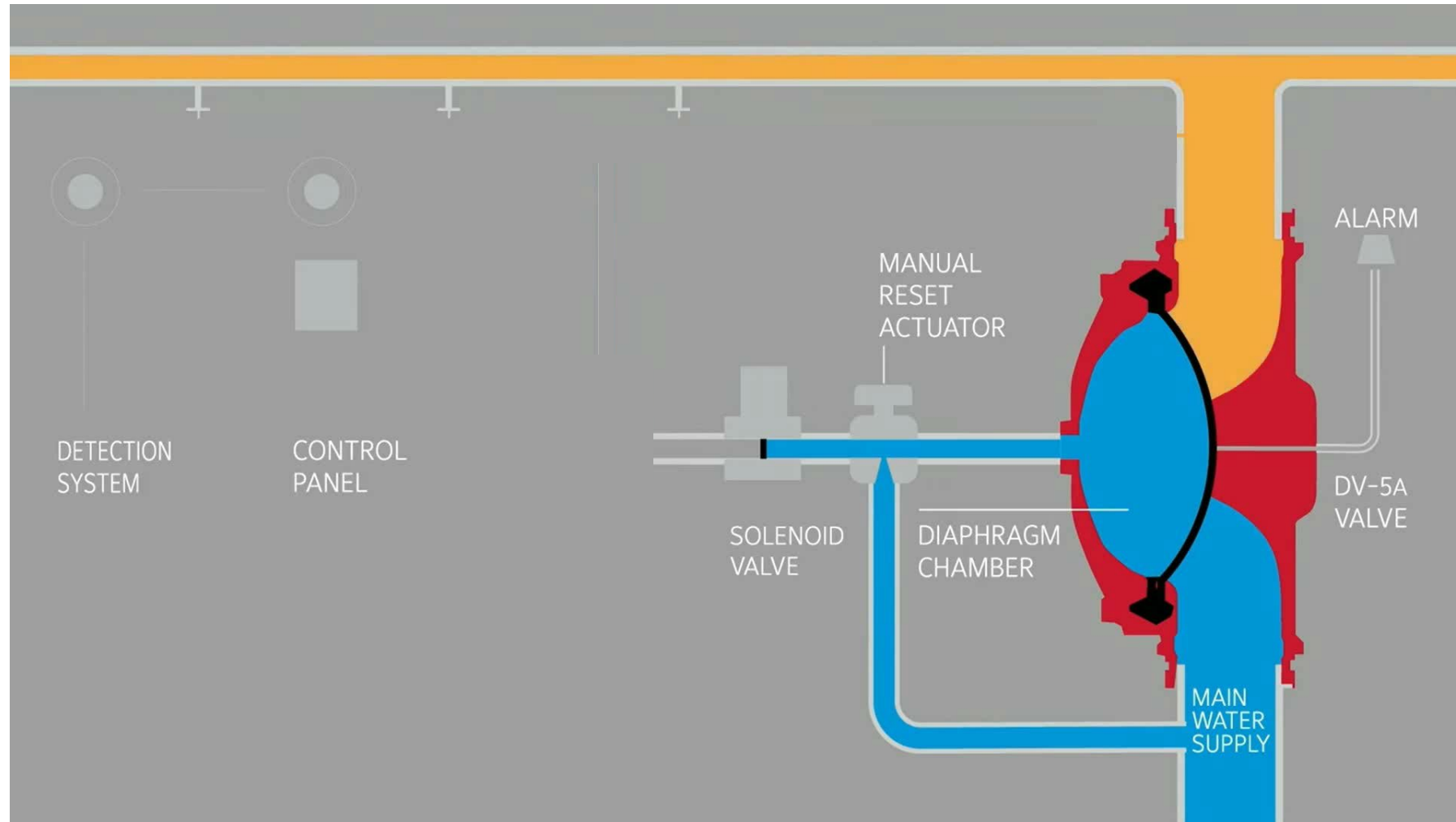
Data Centre - Pre Action Alarm Valve DV5A

Perfect & Robust Design for highly sensitive areas!

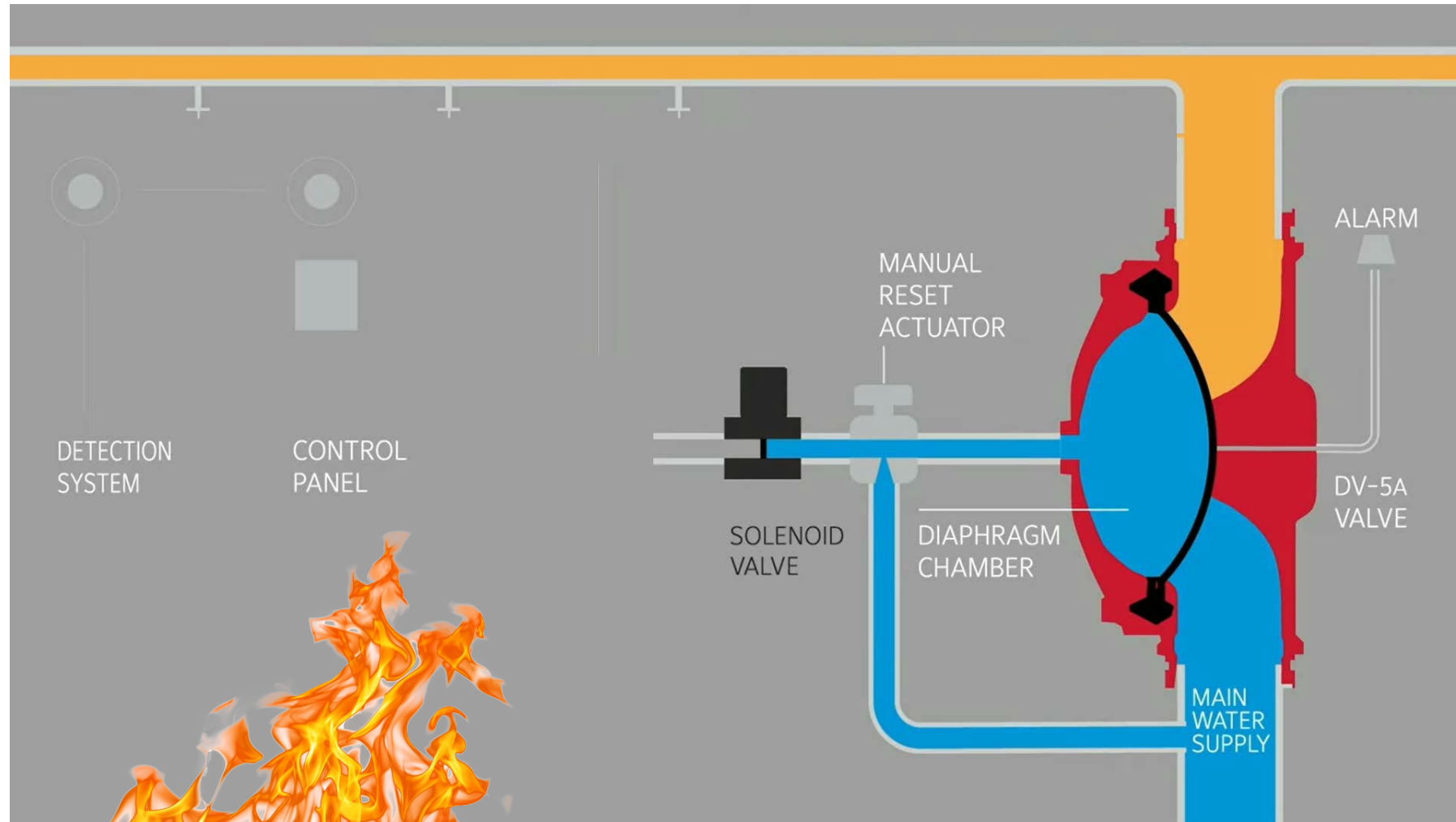
- Single interlock
 - ✓ Electric actuation
- Emergency hand-lever
- Protection against false/accidental discharge
(The Data Center White Hall is a highly sensitive/risk area)
 - ✓ Smoke detection and heat detection required
 - ✓ Designed for high-risk areas
- Robust & reliable solution
 - ✓ FM approved & UL listed
- Pressure switches required
 - ✓ Low pressure
 - ✓ Water discharged



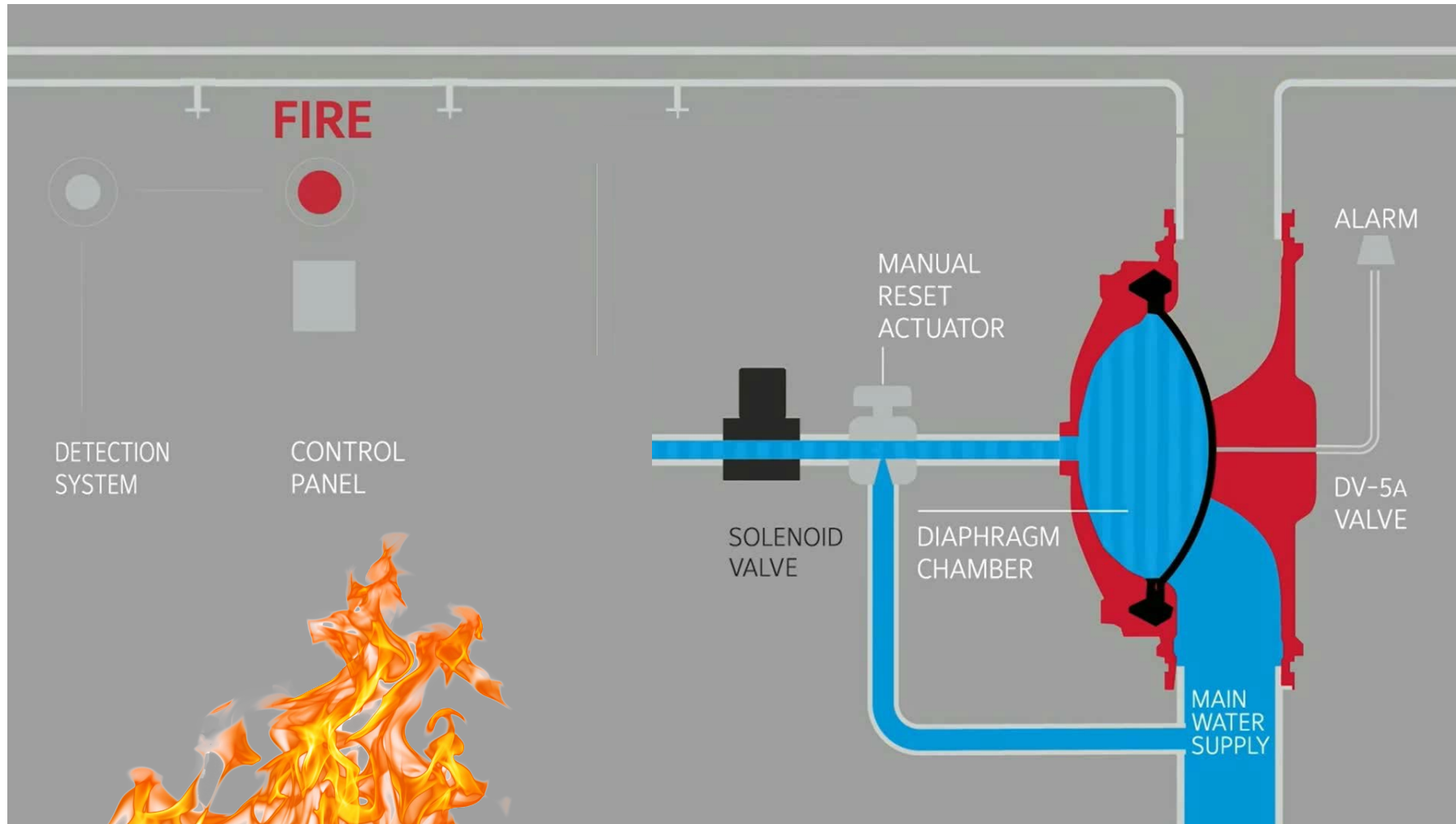
Data Center - Pre Action Alarm Valve DV5A



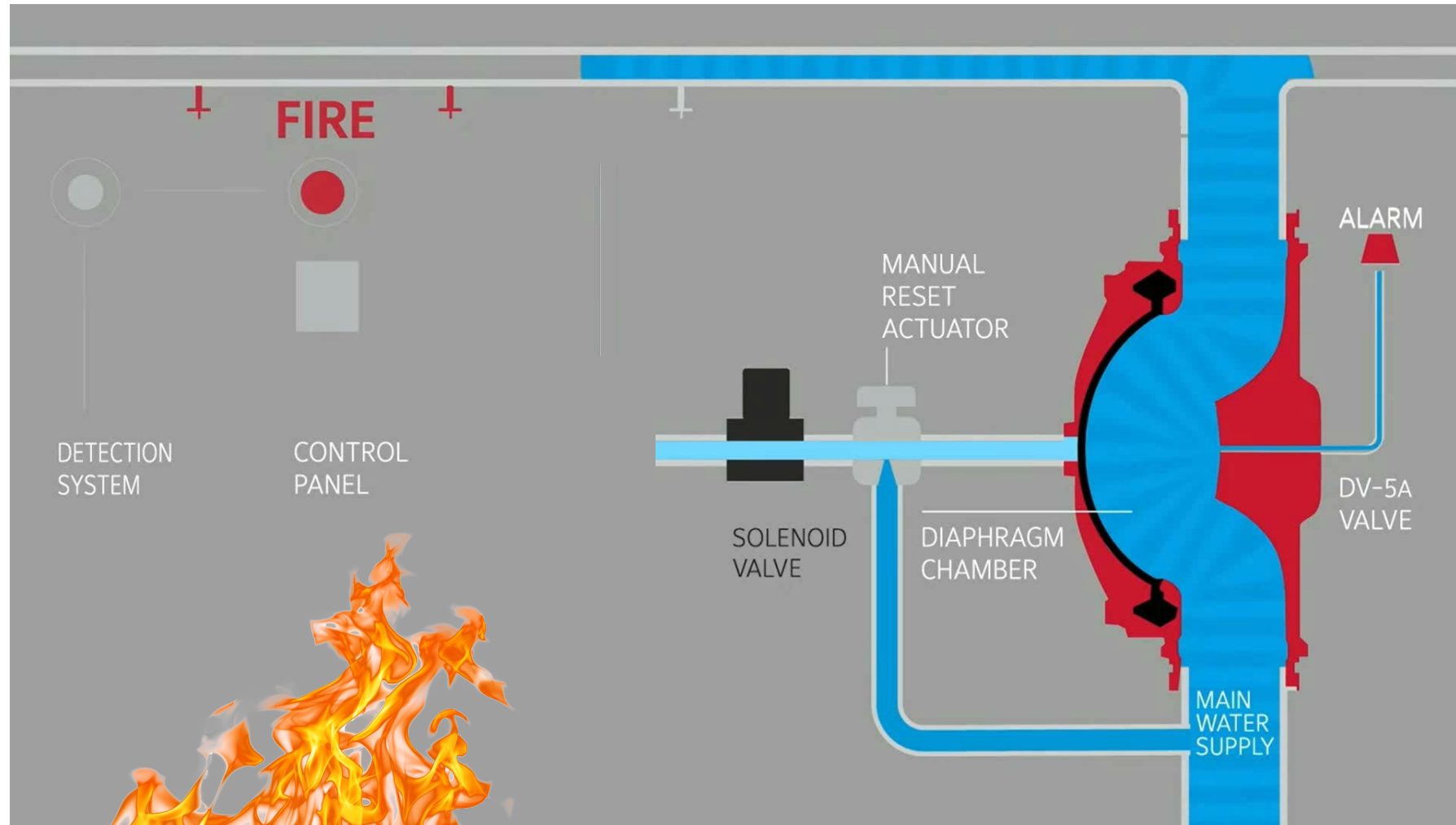
Data Center - Pre Action Alarm Valve DV5A



Data Center - Pre Action Alarm Valve DV5A



Data Center - Pre Action Alarm Valve DV5A



Machinery Spaces

Fire Characteristics

- Liquid, Hydrocarbon Fuels
- High Heat Release Rates

System Type

- Deluge / “Open” System

Objective

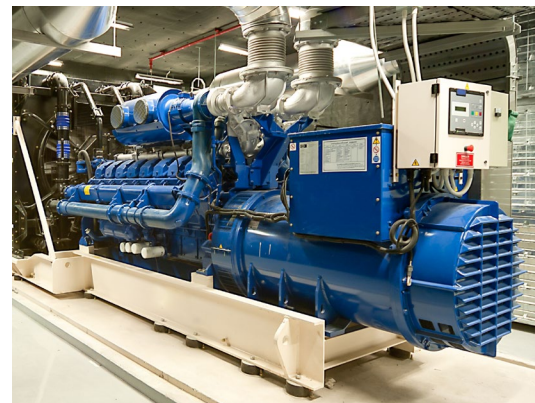
- Extinguishing

Alternative to

- Gaseous Suppression
- Conventional Sprinklers
- Foam
- Water Spray

Advantages

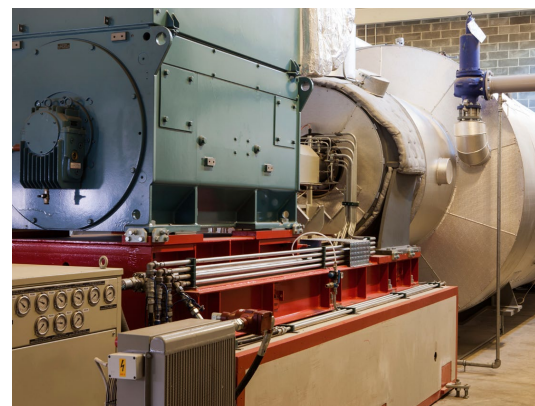
- Enclosure Integrity Not Critical
- Safe For Occupied Spaces
- Limited Consequential Damage



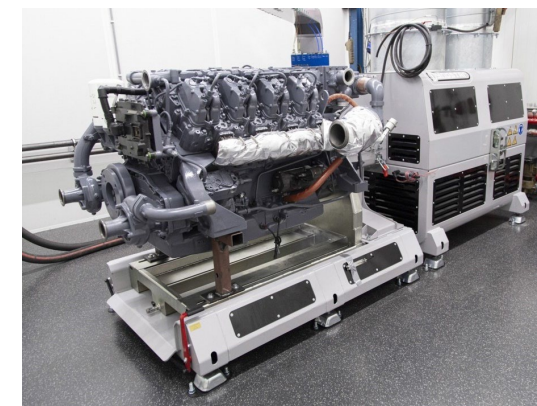
DRUPS Generator Rooms



Transformers



Combustion Turbines



Engine Test Cells

Industrial Fryers

Fire Characteristics

- Liquid, Hydrocarbon Fuels
- High Heat Release Rates

System Type

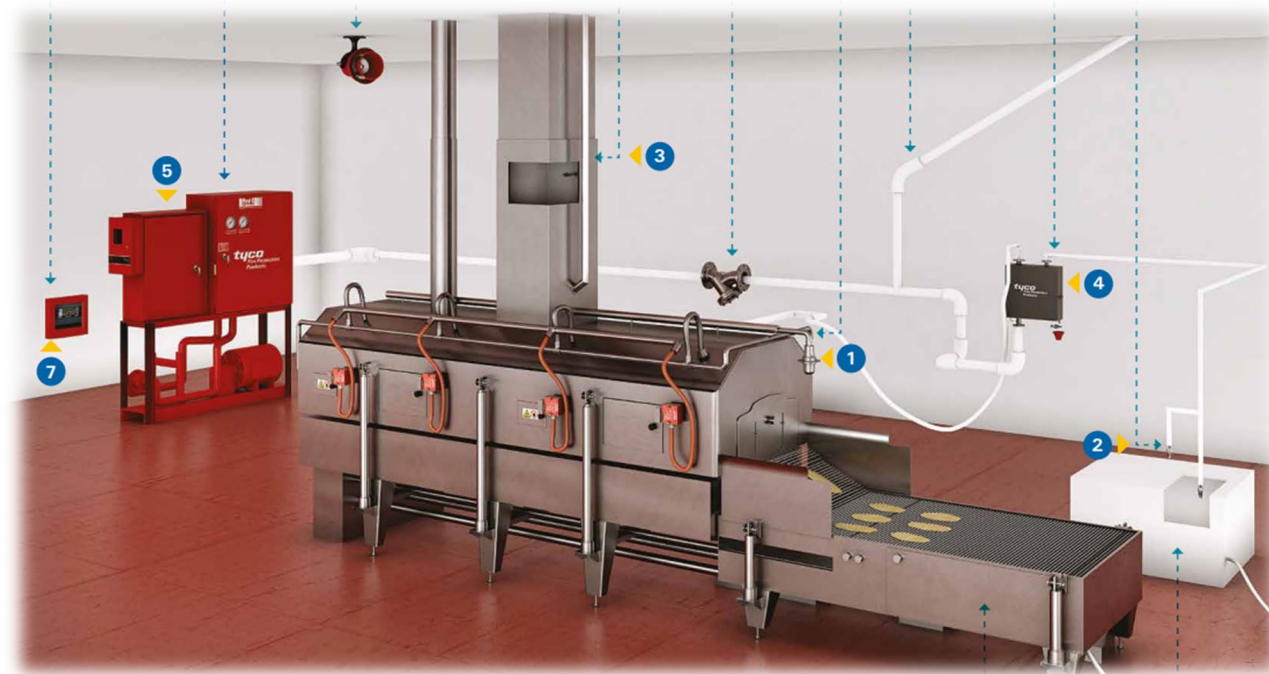
- Deluge / “Open” System

Objective

- Extinguishing
- **Alternative to**
- Gaseous Suppression
- Conventional Sprinklers
- Water Spray
- Wet Chemical Systems

Advantages

- Application Specific, Proven Performance
- Cooling of Oil and Equipment (Preventing Re-Ignition)
- Limited Consequential Damage



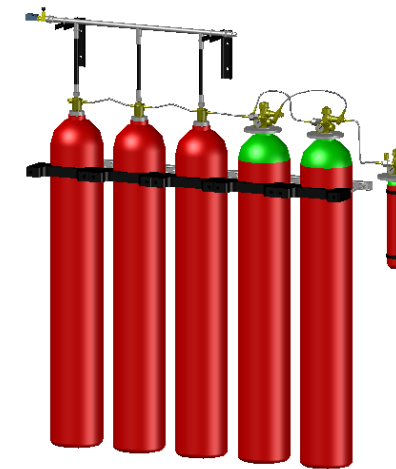
- Rapid Re-Instatement of Protection
- Reduction in Water Demand
- Reduced Water Supply Infrastructure



Water Mist System Key Components



Key Components – Water Supply

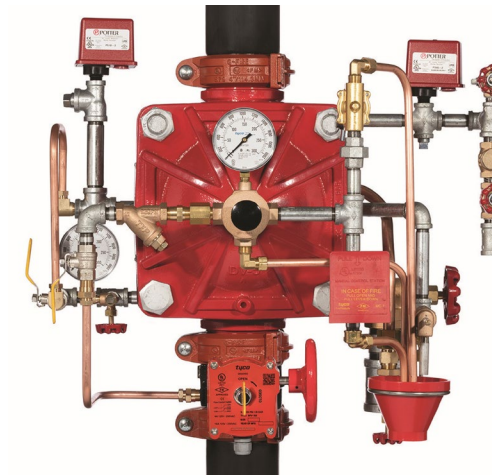
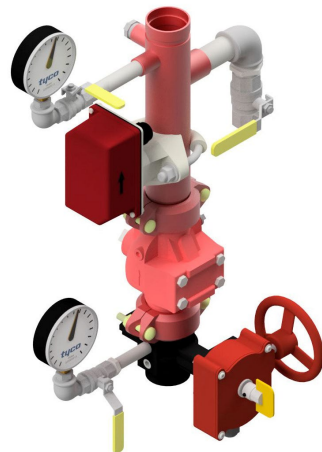


- Low Pressure Output ~16bar
- Centrifugal Pumps
- Dual Pressure Switch started
- Duty Only Configuration
- Option for Duty & Standby Configuration / Diesel Option
- Supplied by a Tank

- Low Pressure Discharge ~16bar
- 200 bar – Stored Pressure
- Flexible Water Storage
- Regulated Pressure Output (~16 bar)
- Electrically Actuated via 24 V DC Solenoid
- Deluge Configuration Only

- High Pressure Discharge
- 200 bar – Stored Pressure
- 80 litre Cylinders
- Decaying Pressure Output
- Electrically Actuated
- Deluge Configuration Only

Key Components – AquaMist ULF Alarm Valves



Wet

- Wet Alarm Valve
- Provides flow indication for zoned wet pipe installations
- Isolate and test function

Deluge

- Open pipe installation
- Normally closed valve opens on electrical input from detection system
- Provides flow indication on operation

Pre-Action

- Dry pipe installation
- Single Interlock
- Normally closed valve opens on electrical input from detection system

Key Components – Pipework – G-Press (LP) / Cutting ring system (HP)

- Corrosion resistant (Stainless Steel)
- Fit-for purpose
 - Test pressure
 - Working pressure
 - Environmental conditions
- Supported in line with standard requirements
- Cleaned and flushed during installation
- Third party approval



Key Components – Nozzles



AquaMist FOG

- Deluge
- Pendent
- Stainless Steel

AquaMist ULF

- Deluge
- Automatic (Bulb-Type)
- Pendent
- Horizontal Sidewall
- Upright

AquaMist ULF Nozzles: Full range of approved solutions



AM4



AM28



AM30 (Up)



AM34 (SW)



AM35



AM29



AM27



MS/IFP/CT

12,8 bar

12,5 lpm

OH1/DC/R

7 bar

31 lpm

OH1/DC/R

7 bar

24 lpm

OH1/R

7 bar

71 lpm

OH2/OH3

7 bar

41 lpm

HC1/DC/R

7.6 bar

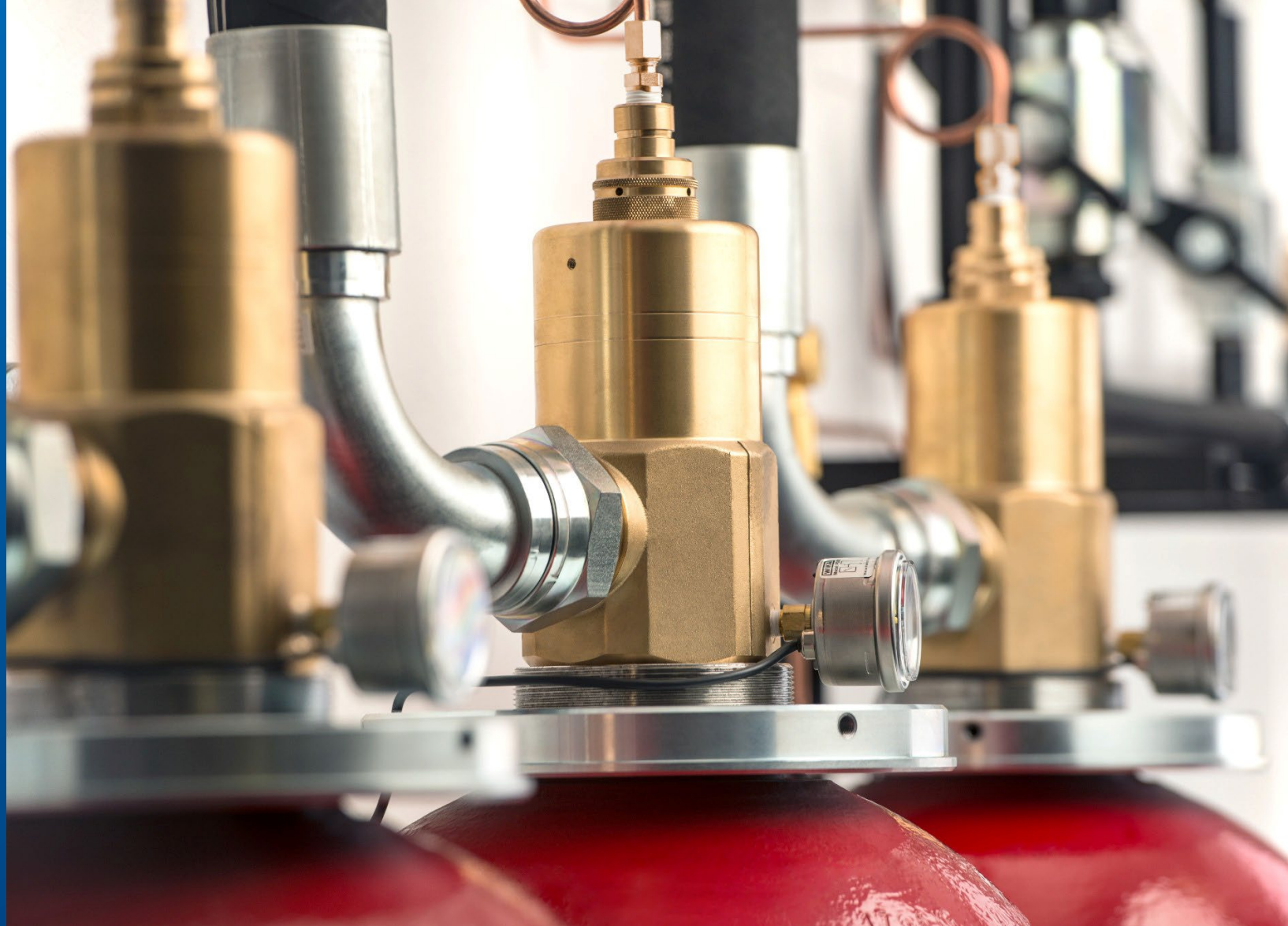
24 lpm

HC1/R

9,7 bar

36,4 lpm

Comparison with Other Technologies



Watermist smart and effective

Comparison with Other Technologies

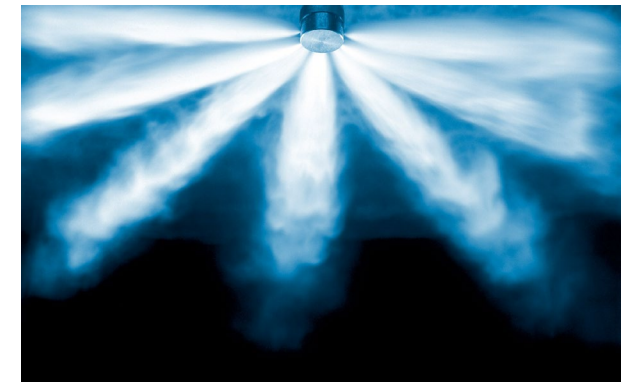
General Benefits

- Fire Performance Testing
 - Application Specific
- Protection of Multiple Hazards
- Can Be Integrated With Conventional Sprinklers
- G-Press 10-Year 1,000,000 Euro Warranty



Vs. Gaseous Suppression

- Safe For Use In Occupied Spaces
- 100% Environmentally Friendly Extinguishing Agent
 - Zero GWP
 - Zero ODP
 - Zero PFA's
- No Harmful Decomposition Products
- Complete Building Protection
- No Room Integrity Testing
- No Pressure Relief Venting
- No Post Discharge Ventilation
- Reduced Lifetime Cost of the System
- Rapid Re-Instatement Following Discharge → **less business interruption**



Vs. Conventional Sprinklers

- Reduced Water Demands
 - Smaller Pumps
 - Smaller Water Storage Tank
 - Smaller Piping
- Minimised Water Damage

How to go along with a new water mist project?



A new project – planning / tender stage

- **Start at planner/consultant - ask for the building risk report:**
 - which fire suppression system is recommended? (sprinkler, water mist, gas, foam)
 - which hazards should be protected by an automatic fire suppression system?
 - definition of the **hazard class** should be given (i.e. for Office Buildings OH1, Residential Building, Machinery Space, Cable Tunnel etc.)
- **Define** which one of the relevant water mist design standards (i.e **EN14972ff** or **NFPA 750** or **BS xx** or a national standard) should be applied
Never mix standards (noting more than **one** standard)
- **EN14972 Part1 /NFPA 750 /BS xx / national standards set the boundaries for a water mist fire suppression systems**
- Can **sprinkler** design methods be applied for a water mist system (i.e. using the EN12845 or CEA 4001, i.e. OH1 hazard, apply 5mm water density)?
No, water mist systems manufacturer's detailed designs are based on the **results of the fire testing**
– not on generic sprinkler measurements like “water density (i.e. 5mm or 10m²)”.

A new project – planning / tender stage

- In dependency of the hazard definition, check and define **which** EN 14972ff (VdS, FM, BS) **fire test protocol** can be applied - **Example a Residential Building**
 Residential Building > EN 14972 Parts 3, 4, 6 ,7 and 17 can be applied
If the Residential Building has an additional Technical Room (technical floor) EN 14972 Part 2 needs to be applied
If the Residential Building has an additional Machinery Room (i.e. lift room) EN 14972 Parts 8 or 9 needs to be applied
- Develop the tender on basis of the above mentioned way forward!
- **Manufacturer specific** boundaries are given in the **DIOM** (Design, Installation, Operation Maintenance Manual)
 These are > i.e. min./max. nozzle spacing, max height, flow rate per nozzle, minimum nozzle pressure as an **“output/result information from the fire testing”**
- Is the **DIOM** therefore at **planning / tender stage** needed?

No, each supplier can use their system they have in their portfolio to protect a Residential Building (our example) and should be able to bid for the tender

A new project – validation proposals / bids

- Receiving now all quotes – how can the planner judge whether they are correct?

Best “assurance” is given if the supplier/contractor can demonstrate that they have a third-party approval in line with the relevant **fire test protocol** of the **EN14972 series** and have a **third-party approval** for the quoted **system components /the overall system** (i.e VdS, FM, LPCB).

- How to demonstrate this?

Via the relevant FM, VdS, LPCB **certificate. Ask for it!**

The DIOM is **not needed** for this, since the DIOM (version) is noted in the cert!

The fire test report is as well **not needed (positive test passing is confirmed with the cert).**

A new project – AHJ Check

- What is needed when an **AHJ system check takes place** (after commissioning)
The AHJ needs to be informed under which “umbrella” (standard) the water mist system has been commissioned (only **one** standard!)
The AHJ **needs the manufacturer’s DIOM** for a proper check of the water mist system.
Further the AHJ needs all drawings, hydraulic calculations of the system.
If existing, mostly also the 3rd party cert is helpful for his/her validation.
Beside the DIOM the **documentation should be available via the building owner.**
- Can the AHJ check the water mist system without having the DIOM, but having the relevant standard in place (EN14972, NFPA750, BS xx, national standard)?
Simple answer: **No, the AHJ need both : Standard & DIOM!**
- **How** can the AHJ get the DIOM?
The AHJ should contact the system manufacturer.
Normally the system manufacturer provides the DIOM when before an NDA has been signed off.

Technical Support & Training



Partner Training (Mandatory)

Application Specific Training (required)

- Building Protection
- Data Centre Protection
- Protection of Machinery Spaces
- Industrial Fryer Protection
- Cable Tunnels
- GPress Installation



It is hereby certified that

Certificate of Training

has successfully completed the training course

AQUAMIST ULF CERTIFICATION TRAINING

THE 3 DAY COURSE HAS COVERED DETAILS ON THE ABOVE MENTIONED SESSION.

CERTIFICATION TRAINING AQUAMIST, COVERING THE HARDWARE, DESIGN & INSTALLATION AS WELL AS FIRE PROTECTION STANDARDS

TRAINING DATE

THE CERTIFICATE IS CONSIDERED VALID UNTIL

AND LINKED TO THE ATTENDEE AND THE COMPANY MENTIONED ABOVE.



Harald Boxem

Technical Services & Training Manager – W/M and F&FH EMEA

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Water Mist - Technical Information

DIOM

(Design, Installation, Operation, Maintenance Manual)
>available only after a training or for AHJs under NDA

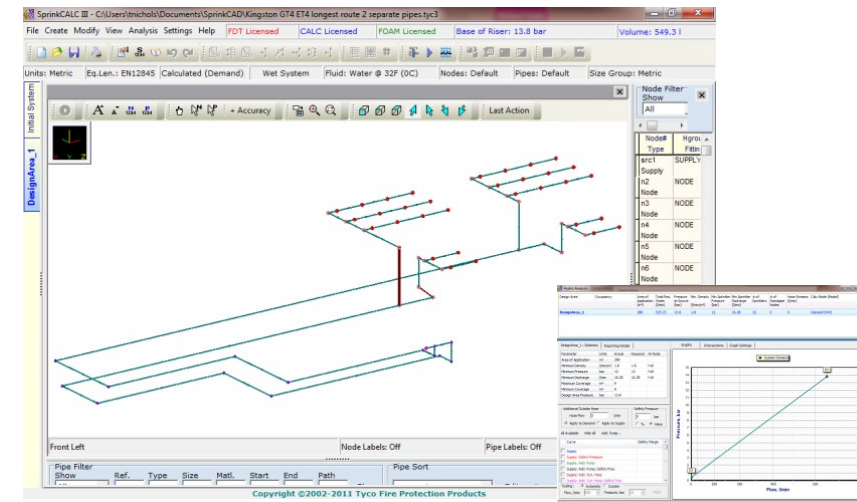
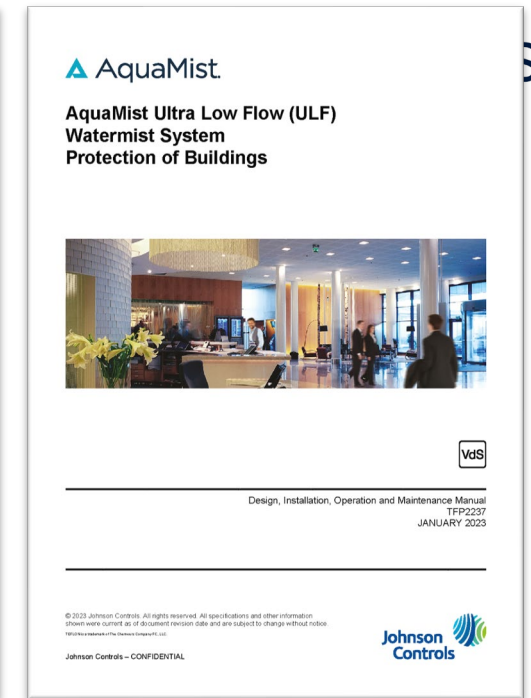
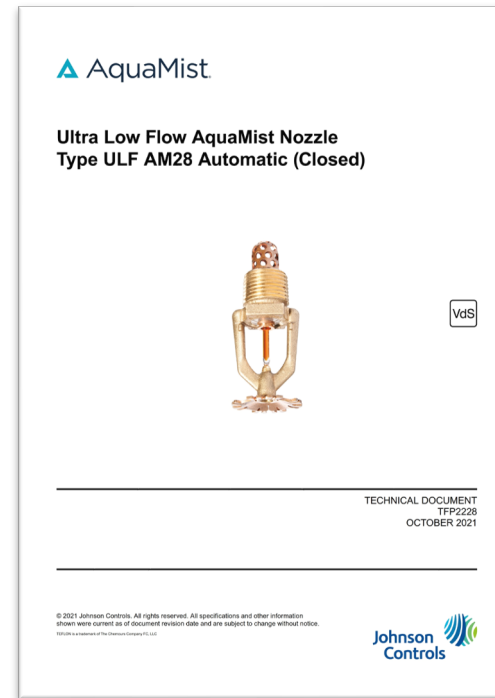
- Application (exact determination of utilization)
- Duration (tank size determination)
- Area of operation (to specify the pump & pipe dimensions)
- Limitations, obstruction criteria
- Component selection, min./max. spacing, max. height etc.

Component Data Sheets (available on webpage)

- Characteristics (material, K-factor, dimensions)
- Design criteria (hint to relevant DIOM is given)

Design Tools (hydraulic calculations, Isometric etc.)

- SprinkCALC & SprinkCAD for Revit
- Revit files



Marketing Brochures



 AquaMist



AquaMist ULF and AquaMist FOG
Advanced, effective and approved
water mist fire protection solutions

johnsoncontrols.com

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Advantages of the AquaMist ULF
solution for industrial fryers



FM Approved and EN 14972 compliant water mist protection for industrial oil cookers.

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Johnson
Controls



 AquaMist

Machinery spaces and equipment protection
Effective water mist protection
for high-risk machinery hazards

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 AquaMist

Superior data center
fire protection



Water mist fire suppression system for data centers

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 AquaMist

Ultra-Low Flow (ULF)
Low-Pressure Water Mist System
Provides whole-building protection

Fully tested, FM and VdS Approved and EN 14972 compliant

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AquaMist Water Mist Fire Protection Solutions

When designing a fire protection system, the challenge is to select the right solution to match the risk. Tyco has the broadest range of fire protection products on the market, including sprinklers, clean agent systems, Water Mist and others.

A comprehensive range of solutions

The AquaMist product range includes globally approved Water Mist solutions backed by decades of expertise in fire protection. AquaMist offers a broad range of systems to offer the most suitable fire suppression solution for you to help protect people and property against a wide variety of fire risks. The fine water mist generated is designed to extinguish fires, or limit fire growth at an early stage, depending on the asset to be protected. AquaMist can help provide effective cooling and fire control on solid, deep-seated fires such as furniture, paper and cables (Class A).

About Us

AquaMist is part of the Johnson Controls portfolio of fire suppression products. At Johnson Controls, we transform the environments where people live, work, learn and play. From optimizing building performance to helping improve safety and enhance comfort, we drive the outcomes that matter most.



Thank You!

Dirk Laibach
Senior Global Product Manager
Water Mist & Special Hazard Systems

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