



MicroDrop®

“Safeguarding healthcare facilities from the threat of fire and smoke”

The Challenge

The risk to healthcare patients and staff in case of a fire remains a significant concern. Many healthcare patients are vulnerable, incognitive and have mobility issues. Also, the number of staff at any point in time is not usually enough to evacuate all of the patients quickly in case of an emergency.

Having dealt with a fire emergency, the next major concern of healthcare administrators is the fast re-instatement of normal working practices within their intense working environment. The Tyco Fire & Integrated Solutions MicroDrop® High Pressure Water Mist system (HPWM) is an ideal fire protection solution to meet this important healthcare requirement in full.

Regularly working in partnership with Healthcare Authorities throughout the world, there is no imaginable fire and safety risk within a hospital or elderly care home that we have not encountered and neutralised.

It is therefore hardly surprising that Tyco Fire & Integrated Solutions is a preferred supplier with a proven track record for providing an Integrated Risk Management Approach to meet the specialised needs of the Healthcare Industry.

MicroDrop® High Pressure Water Mist systems play an important role in that overall approach. However, don't take our word for it. Our MicroDrop® Healthcare “Fast Facts” illustrated overleaf, speak for themselves.



tyco

Fire & Integrated Solutions

The intelligent use of water...

HEALTHCARE



MicroDrop® Healthcare “Fast Facts”

- Specially designed MicroDrop® glass bulb nozzles use less water and requires fewer nozzles than any other HPWM system. This ensures cost efficient system design and reduced installation time.
- Extremely clean and hygienic. No “Post Fire” contamination or environmental issues. MicroDrop® does not use or require performance enhancing additives (foam etc. to fight fires).
- No moving parts in the MicroDrop® nozzles ensure cheaper life cycle maintenance costs and higher reliability.
- MicroDrop’s minimal use of water results in less clean up time and faster re-instatement of the working environment.
- MicroDrop® Pump systems have a smaller footprint than other conventionally designed HPWM pumps. This maximises efficient floor space use and reduces life cycle maintenance costs.
- The design efficiency of the MicroDrop® Pump system is more economical to maintain than other conventionally designed HPWM pumps and therefore reduces life cycle maintenance costs.

MicroDrop® Healthcare Applications

Higher risk areas requiring special protection within the Healthcare environment can be protected with small cylinder systems. For example, deep fat fryers in the hospital kitchens and cafeterias are prone to high intensity fires.

MicroDrop® can prevent a small kitchen fire from developing into a large uncontrollable fire that could spread to other areas of the Healthcare environment.



Emergency standby generators are a vital Healthcare requirement in the event of a power supply failure. However, a fire involving these generators could have disastrous consequences for the safety of the Healthcare environment, patients and staff

MicroDrop® HPWM systems are extremely efficient in controlling and extinguishing hot fires involving emergency generators. In the event of a fire, they rapidly bring the fire under control and extinguish the fire. The cooling effect of MicroDrop® HPWM on hot metal surfaces is ideal in preventing re-ignition of the fuel supply to the generator.

“Critical Areas” within the healthcare industry place a heavy reliance on their electronic infrastructure. These areas can vary from the data storage of patient’s medical records, invaluable medical equipment and various automated control units from simple door opening systems to complex security systems and Building Management Systems.



Fire damage to vital healthcare electronic infrastructure and technological advanced medical equipment would rapidly bring the healthcare daily work routine to a grinding halt. MicroDrop® high pressure water mist systems can prevent this scenario from happening by protecting these areas from fire in an efficient and cost effective manner.

MicroDrop® Healthcare Applications at a glance

- Public access areas
- Healthcare hospital wards
- Residential care home bedrooms
- Kitchens & cafeterias
- Medical record archive rooms
- Generators, boiler rooms and UPS (Un-interrupted Power Supply) areas

For further information contact your local Tyco Fire & Integrated Solutions office on: tfis.microdrop.uk@tycoint.com or visit our website at www.tycofis.co.uk

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