

AquaMist® Ultra Low Flow (ULF)

Industrial fryer protection (IFP) with a low-pressure water mist system



Features and benefits

- Protection options from one to multiple oil cookers
- Hybrid system: Combination of existing sprinkler systems and AquaMist IFP Low-Pressure Water Mist Systems made possible by using the same water supply, pump and tank
- FM Approved and EN 14972-compliant low-pressure water mist system solution based on full-scale fire-testing for multiple scenarios
- Used in 100-plus active applications globally
- Can be supplied by potable water or storage tanks – no treated water or additives are required
- Uses less water than alternative solutions

How industrial fryer protection (IFP) works

Insurers consider fryer food factories high-risk premises due to potential costs of production interruption. Fires can cause significant business impacts due to stringent food hygiene policies and the fryer's mission-critical role in the production process.

AquaMist IFP Low-Pressure Water Mist Systems are FM Approved, EN 14972-compliant and are designed to effectively suppress fires while minimizing water usage, which translates to less business impact due to a fire event and the clean-up process.

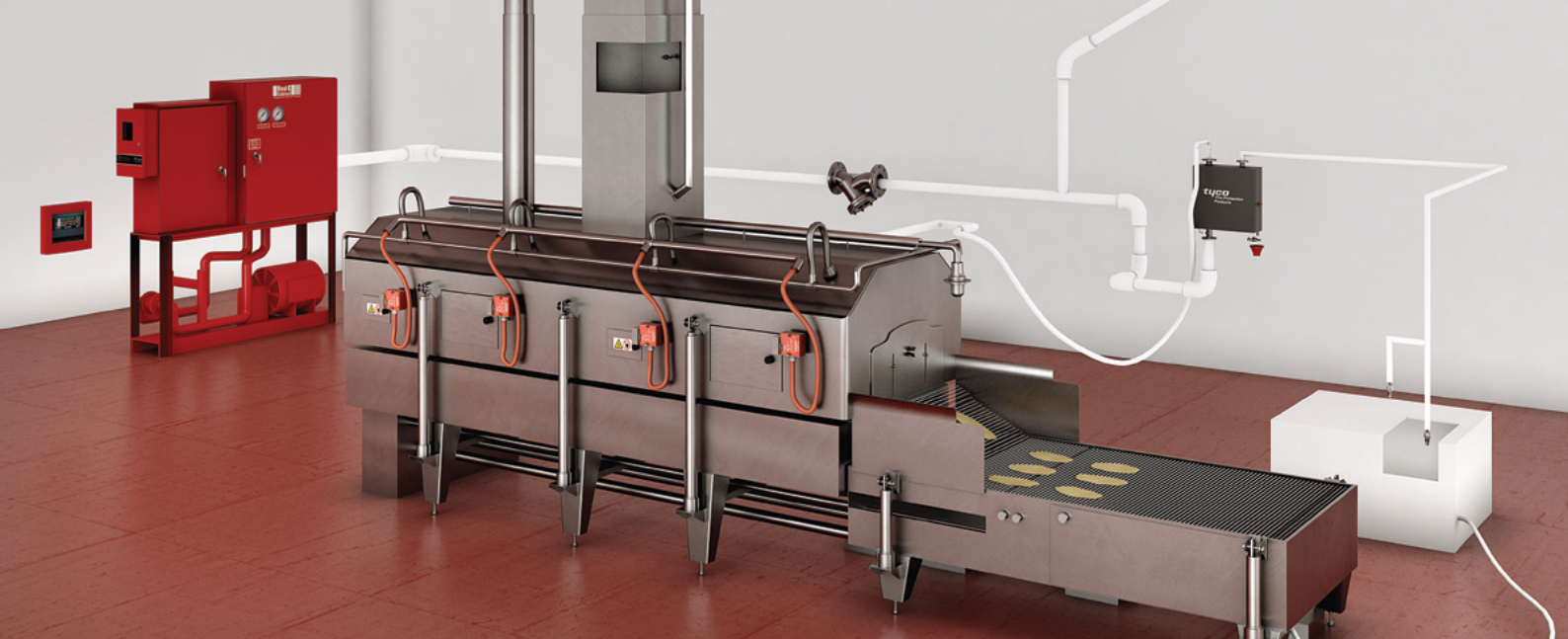
The system is designed to suppress a fire and cool the oil to avoid reignition. Fine mist droplets are suspended in the flame to absorb heat and extinguish the flame when it discharges. At the same time, larger mist droplets penetrate through the flame and reach the oil surface. These droplets absorb heat from the oil and evaporate to cool its oil below its ignition temperature.

Protecting oil with water

Very fine droplets penetrate the flame to absorb heat, providing extinguishment.

Larger droplets penetrate through the flame to the oil surface, providing rapid cooling and producing steam.





Pump skid unit simplifies your system installation

- Pre-assembled, pump unit for the AquaMist ULF system
- Pre-wired and pre-piped for easy installation and reduced time and labor
- Available in a variety of configurations with variable water flow rates and pressures
- AquaMist ULF MCC: FM Approved
- AquaMist ULF EMCC: CE marked, EN14972, NFPA20, EN12845, VdS CEA 4001



Open system DV-5A deluge valve with stainless steel option

- Single moving part – diaphragm-style design reduces complexity and maintenance
- Utilizes electric actuation with automatic AquaMist nozzles and a supplemental detection system
- Stainless steel enclosed valve option – can be installed in the production area
- FM Approved

Discharge nozzles: AM31, AM4, AM10

- Low-pressure nozzles that utilize a single fluid jet impacting on a patented diffuser to produce a spray having a range of water droplet sizes
- Stainless steel protection cap option
- Short extinguishment times, which were demonstrated in full-scale fire tests
- FM Approved



Flexible hose connections and G-PRESS piping

- Flexible hose two-inch connection is ideal for nozzle installation within moveable hoods
- Flexible hose can also be used for false ceiling installations, allowing hoses to be moved to the final nozzle location
- Stainless steel G-PRESS system is FM Approved and VdS-approved
- G-PRESS system has a 10-year limited warranty

Visit [TycoAquaMist.com](https://www.tycoaquamist.com) to learn more.

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