

Micromist®

EFFECTIVE AND RELIABLE

WATERMIST FIRE PROTECTION



APPLICATIONS

- Gas Turbines
- Engine Test Cells
- Generator Rooms
- Machinery Spaces
- Oil Pumps
- Lubrication Skids
- Drive Shafts
- Chemical Processes
- Hydraulic Pumps
- Oil Reservoirs
- Diesel Emergency Rooms
- Gear Boxes
- Transformer Vaults
- Gas Compressors
- Crude Oil Pumps
- Process Areas

THE SELF CONTAINED FIRE PROTECTION ALTERNATIVE

Fike's **Micromist** system is a self contained, single fluid, pre-engineered watermist fire suppression alternative to many traditional fire protection methods. **Micromist** has demonstrated excellent performance in the suppression of a wide range of flammable liquid (Class B) fire scenarios including pools of fuel leakage, fuel sprays and potential Class A involvement of fuel soaked materials.

MICROMIST - THE COST-EFFECTIVE SOLUTION

As a safe alternative to traditional fire protection methods, Fike's **Micromist** is a water-based, non-toxic, environmentally friendly fire extinguishing system.

Designed and manufactured to be self contained, **Micromist** has an excellent track record with special hazard applications. And since it utilizes water as the suppressant agent, **Micromist** is cost-effective and environmentally sound. **Micromist** offers superior quality that protects your assets, the environment...and your budget!

HOW DOES MICROMIST WORK?

- Cooling at the flame level by droplet vaporization (heat absorption)
- Oxygen displacement by steam generation (localized inert environment)
- Wetting/direct impingement
- Washing out of combustion products

The Fike **Micromist** system utilizes a nozzle design that shears the water into small droplets. These small droplets are very effective in producing water vapor, when they come in contact with the fire. Water vapor is a key component in suppressing a fire with a limited amount of water.

WHY USE MICROMIST?

Because of Fike's experience with special hazard applications, solving the specific needs of our customers is unmatched in the fire suppression industry. **MicroMist** comes pre-assembled,

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FEATURES

- Environmentally safe
- Cost-effective
- Easy installation
- Minimal downtime
- Easily recharged systems
- NFPA 750 compliant
- FM approved

tested and packaged with all valves and actuation components necessary for system operation, helping to eliminate high installation costs. And because of the small amount of water required by the **MicroMist** system, post-discharge clean-up and downtime is limited.



DETECTION AND CONTROL

Using Fike's **Cheetah Xi** intelligent control panel with the **MicroMist** system, gives you a digital, peer-to-peer,



bi-directional fire detection response. That means every fire protection module and sensor can act as a peer, able to communicate directly with the detection control panel...and with each other. This direct communication reduces the fire protection response time to as little as one-quarter second. And every fire detection device can also generate highly detailed, accurate information.

Programming options include:

- 80-character LCD Display
- Optional internal point ID DACT
- 2 SLCs standard, expandable to (4)
- Positive alarm sequence
- Acclimate operation for sensors
- Auto learn function

For the most in conventional fire detection, Fike's **SHP PRO** is a single-hazard, easily configured control system with incredible power. Though highly versatile, the **SHP PRO** is built for easy installation and maintenance.



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