



**HAZARD CONTROL TECHNOLOGIES, INC.**  
**FIRE, VAPOR, AND CONTAMINATION CONTROL SOLUTIONS**

## **F-500 Encapsulator Agent AquaTech Plus™ Water Mist Solutions**

By combining the advantages of Water Mist Technology and the incredible power of the F-500 Encapsulator Technology, Hazard Control Technologies (HCT) has developed a wide range of unsurpassed fire control solutions for many of today's power plant hazards

***Water Mist Technology (NFPA 750)***  
**+ *F-500 Encapsulator Technology (NFPA 18A)***  
***Fire Suppression Technology<sup>2</sup>***

Our systems are engineered to meet your specific needs and hazards. HCT offers a full range of F-500 EA AquaTech Plus solutions from self-contained, pre-engineered systems for enclosed and semi-enclosed areas to full scale engineered F-500 Encapsulator Agent AquaTech Plus Water Mist Pump Systems. HCT also provides stationary mounted or mobile F-500 Encapsulator Dragon Systems for a variety of fire protection and environmental applications.

### **F-500 Encapsulator Agent AquaTech Plus Water Mist**

The unmatched fire fighting and cooling properties of F-500 Encapsulator Agent coupled with the smaller droplets of Water Mist take full advantage of the effectiveness of the encapsulation and cooling benefits of F-500 Encapsulator Agent to provide the best fire suppression results in the most challenging scenarios.

Independent current leakage testing on both F-500 Encapsulator Agent, as well as, Water Mist have proven both to be safe on Class C, electrical fires. In addition, F-500 EA is proven to be safe and effective on Class D, metal fires, such as lithium-ion batteries. Combining these technologies provides the most effective fire protection solution for lithium-ion battery storage cells.

### **Applications for F-500 Encapsulator Agent AquaTech Plus Water Mist Systems**

Applications include fire suppression (Class A, B, C and D), coal SponCom control, dust control, and environmental applications, such as odor control. How can we put our "Engineered Advantage" to work for you?

#### **Power Plant Applications:**

- Under Turbine Lube Oil
- Turbine Bearings
- Transformer Protection
- Combined Cycle Engines
- Fuel Oil Storage
- Boiler Fronts
- Cable Trays
- Class D Metals
- Lithium-ion Storage Batteries
- Wind Turbine Nacelles/Transformers



## F-500 Encapsulator Agent AquaTech Plus Water Mist Components

The basic components in a typical F-500 Encapsulator Agent AquaTech Plus Water Mist System include a power source to drive the F-500 Encapsulator Agent solution, F-500 EA storage tank, proportioning method, and a mist spray delivery system. The F-500 Encapsulator Agent is the key to enhancing a water mist system by rapidly cooling the fuel and surrounding structures, encapsulating the fuel and interrupting the free radical chain reaction, greatly reducing toxins and thick, black smoke.

The table below shows various combinations of F-500 EA AquaTech Plus Water Mist Systems available to most efficiently meet your application requirements. These systems can be fixed or mobile.

System	Power/Pressure Source	F-500 EA Storage	Proportioning Methods	Delivery System
Self-contained	Medium Pressure Nitrogen Cylinder	Pre-mix Cylinder	Pre-mix Cylinder	Water Mist Nozzles Engineered Nozzles
Pump	Fire Pump and Pressure Booster Pump	Storage Tanks IBC Tote Drum	Water-driven Proportioner	Water Mist Nozzles Engineered Nozzles Encapsulator Dragon

Booster Pump Water Mist, Water-driven Proportioning Fixed System



Self-contained Water Mist System



F-500 Encapsulator Dragon Fixed Water Mist Cannon



Trailer Mounted F-500 Encapsulator Dragon Water Mist Cannon



**HAZARD CONTROL TECHNOLOGIES, INC.**

150 Walter Way  
Fayetteville, GA 30214

TEL: 770.719.5112  
FAX: 770.719.5117

[www.hct-world.com](http://www.hct-world.com)  
[info@hct-world.com](mailto:info@hct-world.com)