



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

## F-500 EA Fast Response Mobile Units

In some industrial and agricultural applications, water is not always available for firefighting in hazardous areas. And all too often, water may be available, but not have sufficient flow rate or pressure to initiate proper induction of a fire suppression agent. A fire extinguisher is an excellent choice for emergencies, but will it last long enough to suppress your fire? Customized trailers are available, but the cost may be prohibitive.

Hazard Control Technologies, Inc. (HCT) has the solution - economic, compact, self-contained firefighting skids. These Fast Response Mobile Units (FRMU) easily fit on a truck bed, ATV, boat or trailer and include a water reservoir, pump, engine, hose and an F-500 Encapsulator Agent TKO Nozzle for rapid response and fast knockdown.

### Applications:

- Recycling Facilities / Scrap Yards
- Industrial Buildings
- Storage Piles: Coal, Combustible Granulars
- Warehouses
- Structural Fires
- Agricultural Storage: Grains, Feed
- Parking Lots: Car Fires
- Dumpster Fires
- Flammable Liquid Spill Control



Fast Response Mobile Units are designed for incipient fires only, but can provide enough water and F-500 EA to fight a Class A, B or even small Class D fires for several minutes. With a flow rate of 20 gpm, FRMU capabilities far exceed a fire extinguisher. F-500 Encapsulator Agent's ability to encapsulate hydrocarbons, resist burn back, cool fuel and surrounding structures and fight three-dimensional fires means most fires are extinguished in minutes. If the F-500 EA FRMU can't extinguish the fire, it will certainly control it until firefighters arrive.

Another potential use for F-500 EA Fast Response Mobile Units is mitigating accidental hydrocarbon spills. The F-500 EA solution encapsulates hydrocarbons, quickly rendering them nonflammable and nonignitable, providing permanent burn back resistance. In most cases, depending on local regulations, the neutralized, encapsulated fuel on a hard surface can be left to evaporate, saving the expense of clean-up. A single bottle of F-500 EA can encapsulate, and render nonignitable, about 4 gallons of flammable liquids, such as gasoline, ethanol-blended fuels, oil or diesel fuel.



Fast response is delivered by the pistol grip, F-500 EA Turbo Knockdown and Overhaul (TKO) Nozzle. The nozzle carries two quarts of F-500 Encapsulator Agent, which instantly educts a pre-set percentage of solution into the water stream (0.5%, 1% or 3%). Six bottles of F-500 EA are provided with the FRMU for replacement in seconds during a fire or spill, although a portion of a single



bottle has been shown to be sufficient to extinguish a car fire. The TKO Nozzle can reach about 28 feet with a streaming pattern and quickly adjust to a conical pattern. The F-500 EA TKO Nozzle greatly reduces steam, smoke and toxins, while using less water and very little agent.



FRMU-0320060



FRMU-0420075

**Fast Response Mobile Units**

	FRMU-0320060	FRMU-0420075
<b>Features</b>		
Eductor Metering	Variable 0-3%	Variable 0-3%
Pump Capacity	20 gpm at 125 psi	20 gpm at 125 psi
Power Source	6 hp Honda Gasoline Engine	6.5 hp Honda Gasoline Engine
Delivery Equipment	100 ft x 5/8" Hose and Reel, TKO Nozzle	100 ft x 3/4" Hose , TKO Nozzle, Electric Hose Reel
Platform	3/4" Polyethylene Base	3/4" Polyethylene Base; Storage Compartment
<b>Firefighting Duration (20 gpm nozzle-included)</b>		
Based on Water Capacity	3 minutes	3 mins. 45 secs
<b>Spill Mitigation Capacity</b>		
Class B hydrocarbon - Spill size	12 gals. / 1200 sq. ft.	15 gals. / 1500 sq. ft.
<b>Specifications</b>		
Capacity - Water	60 gallons / 227 liters	75 gallons / 284 liters (Baffled-NFPA)
Weight - Empty	200 lbs. / 91 kgs	350 lbs. / 159 kgs
Weight - Full	700 lbs. / 318 kgs	975 lbs. / 443 kgs
Height	31" / 79 cm	26" / 66 cm
Length	43" / 109 cm	54" / 137 cm
Width	41" / 104 cm	48" / 122 cm

**Additional Mobile Firefighting Systems from Hazard Control Technologies**



The F-500 EA Fire Extinguisher can be rapidly deployed for small fires.



F-500 EA Portable Carts carry 26 or 40-gallons of F-500 EA. for long-lasting fire control.



F-500 EA Handy Packs carry 2½ or 5 gallons of F-500 EA and connect to a 1 or 1½" water source.



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