



# TECTONIC

ENERGY CONSULTING INC

[www.tectonicenergy.com](http://www.tectonicenergy.com)

137, 4950 – 106<sup>th</sup> Ave S.E.  
Calgary, Alberta, T2C 5E9  
(403) 238-2812



## Fire Safety

**Tectonic Energy Consulting Inc.** operates wildfire crews and equipment for the provinces, municipalities, private land owners & First Nation's communities. We also provide basic and advanced training programs for municipal fire departments and private enterprises. Providing fire and rescue operations for Industrial Protection; we have some of the highest trained and seasoned firefighters in Alberta. These highly trained men and women combined with specialized equipment & technology will provide you the confident service required in a challenging field.

### EMERGENCY FIREFIGHTING TRUCKS & SERVICE



#### Emergency Shower Services

We can provide onsite services and equipment designed to keep workers safe in the event of a hazardous materials accident. All shower unit operators are fully trained in the equipment, policies and procedures

#### Fire / Shower Combination Units

Dual-service fire / shower combination units do double duty in high-hazard standby and emergency situations. This package provides world-class fire fighting.

Fully rated fire pump system

- Complete industrial fire fighting hose package
- Foam concentrate reservoir
- Potable water supply
- Ground monitors
- Foam nozzle(s)



#### Shower Trailers

These self-contained trailers are equipped with drench showers, eyewash stations, first aid and burn-treatment equipment.

The units feature:

- Temperature-controlled water
- Shower system
- Multiple interior stations and eyewash stations
- Temperature-controlled units



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## Fire Safety

### **High-Pressure & Capacity Fire trucks**



- Specifically designed for industrial settings and wild land fires
- Continuous fire fighting capabilities with on-board water with high-capacity pumps rated to 8,000 liters per minute
- Industrial fire pumps
- Extinguishing agents that are needed for industrial settings.
- All units equipped with GPS to ensure they reach the emergency site in a safe and timely manner
- Each unit accompanied by two qualified fire fighters when handling high-hazard fluids ...for special circumstances additional personnel can be deployed on request.
- Supplemental Fire fighting and Emergency Response Equipment If required, Tectonic Energy has a fleet of specialized safety equipment that can be rented on a standby basis or brought in for specific emergency situations.

### **Wheeled Fire Extinguisher Units**

Wheeled Fire Extinguisher Units are designed to protect high fire-risk areas where the potential for large fires exists. These heavy duty units have greater extinguishing agent capacities than portable extinguishers, yet are highly mobile and can be fully operated by just one person.

#### **PK Wheeled Fire Extinguisher Units**

Widely used in the petroleum industry. Suitable for class B and C fires. Potassium bicarbonate-based agent for use on class B and C fires. Widely used in the petroleum industry.

**150 lb.** PK Wheeled Fire Extinguisher Unit (CR-LT-I-K-150-C)

- ULC Rating: 320-B:C
- 25 ft. Range
- 51 Second Discharge Time



#### **PK Wheeled Fire Extinguisher Units**

Widely used in the petroleum industry. Suitable for class B and C fires. Potassium bicarbonate-based agent for use on class B and C fires. Widely used in the petroleum industry.

**350 lb.** PK Wheeled Fire Extinguisher Unit (CR-WW-LR-I-K-350-D)

- ULC Rating: 640-B:C
- 40 ft. Range
- 80 Second Discharge Time





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## Twin Agent Fire Extinguisher Units

Twin-Agent Fire Protection refers to the “twin-attack” capabilities of dry chemical and foam fire extinguishing agents. Whenever a hazard area requires fast knockdown and securement, twin-agent systems are often recommended.

The basic principle of the Twin-Agent Concept is the combined benefits of Purple-K dry chemical agent with those of AFFF agent. Purple K is a potassium bicarbonate based dry chemical which provides rapid flame knockdown and extinguishment. It is particularly effective on pressure, running and spill fires, making it a primary extinguishing agent for flammable liquid fires. Purple-K is compatible with AFFF foam and can be used without regard to order of application.

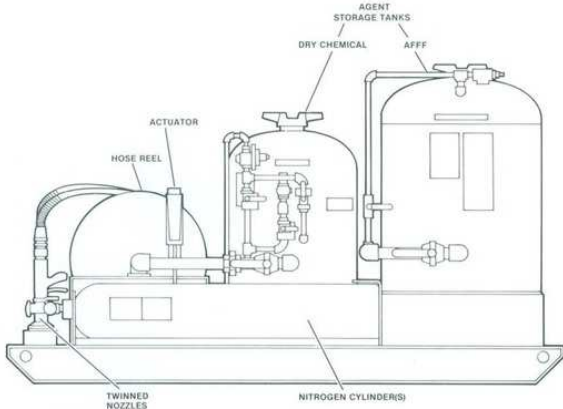
AFFF-a synthetic aqueous film-forming foam, is used to blanket the fuel with a thin film thus preventing the escape of flammable vapors. It also provides some degree of cooling.

The major advantage of the twin-agent concept is that the dry chemical agent can provide fast knockdown of the fire while the AFFF agent provides securement of the hazard area. When used in combination, most three dimension, running and pressure fires can be extinguished by a single trained operator. The twin agent attack provides the most effective extinguishing and securing capability known for many flammable liquid fires.

### Performance:

Capable of suppressing 3,000 sq ft (279 sq m) of flammable liquid fire within 90 seconds using one operator.

- 450 lb. PK / 100 gal. AFFF
- PK 27 ft. Range
- AFFF 18 ft. Range
- PK. 90 Second Discharge Time
- AFFF. 100 Second Discharge Time



Thank you for taking the time to read the above information...we look forward to meeting with you to discuss your project requirements. For further information on pricing and availability please contact **Tectonic Energy Consulting Inc.** at (403) 238-2812 or visit our website [www.tectonicenergy.com](http://www.tectonicenergy.com)