



# The first two minutes of any fire are critical to effectively extinguishing it



Fire safety equipment is mandated by regulation in every establishment, but even the best equipment is ineffective if employees have not been properly trained on its use. Fire extinguisher training is based upon the fact that fires start small (known as incipient fires) and may be extinguished by well trained, knowledgeable employees utilizing proper equipment. Without this training there is a much greater risk of the fire spreading and of employees being

injured while using an extinguisher improperly. For these reasons it is vital that people know how to respond and follow the proper procedure during the critical first two minutes of a fire.

In the past, this training was usually accomplished by setting fires within a controlled environment at an outdoor off-site location. Now, thanks to advanced **Virtual Training Technologies** by **PYROSOFT®**, the **Fire-X-ting Fire Training Program** allows you to achieve the same results in-house with less cost and reduced risk. **Fire-X-ting** training is designed to provide your employees with the knowledge and skills required to be calm, confident and physically effective while using portable fire extinguishers. The following are just a few of the advantages that convinced a major Canadian airline to switch from traditional outdoor training to the **Fire-X-ting Fire Training Program**.

## SAFE & ENVIRONMENTALLY FRIENDLY

- ❑ *Does not involve the use of hazardous flammable liquids*
- ❑ *Does not create smoke and toxic by-products*
- ❑ *Will not emit powders or other extinguishing agents that may be both toxic to employees and harmful to the environment*
- ❑ *Does not require the clean up of hazardous residue from a flammable liquid pan fire set up outdoors*

## COST EFFECTIVE

- ❑ *Eliminates all the costs associated with traditional outdoor fire training, including burn permits, fuel site clean-up and replacing the extinguishing agents in fire extinguishers.*
- ❑ *Employees are not required to travel to another location - training is done on-site at your convenience, eliminating travel time and costs.*
- ❑ *Training is accomplished in any type of weather - wind, rain or snow may cancel a scheduled outdoor training session.*
- ❑ *Having your employees properly trained in fire prevention and correct extinguishment methods may result in decreased insurance costs.*

## HOW DOES THE FIRE SIMULATOR SYSTEM WORK?

Students are instructed on the proper use of the fire extinguishers with realistic, interactive fire scenarios that are created by the following equipment:

- ▣ *Special Extinguishers* ▣ *Built-in Light Sensors* ▣ *Rear Screen Projector*
- ▣ *Two Computers* ▣ *Two Speakers* ▣ *Light Beams* ▣ *Air Compressor*

The trainee points the extinguisher nozzle at the simulated fire on the screen and squeezes the handle. Compressed air (for added realism) emanates from the nozzle along with a beam of light to show exactly where the extinguishing agent is being applied. If the proper sweeping pattern and distance are maintained, the fire will extinguish. This process permits immediate correction of the trainee's technique should it not be the method used by experts.

## WHY IS FIRE-X-TING TRAINING SO EFFECTIVE?

There are two main features which make **Fire-X-ting training so unique and effective:**

- ▣ *Outstanding Realism* ▣ *Exceptional Flexibility*

Four different scenarios, each with different levels of difficulty are programmed into the computer and can be adjusted by the Instructor for a novice trainee or for those who have previously taken courses involving outdoor fire practices. The range permits adjustments for the effectiveness of the extinguishing agent, the flammability of the fuel, the discharge time of the extinguisher and the speed of fire "reflash" which all contribute to improving the skills of the trainee. There are several variations on the four basic scenarios, as well as the option of adding pictures from your own workplace for extra realism.

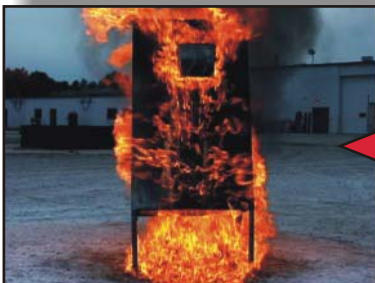
The Four Scenarios are:



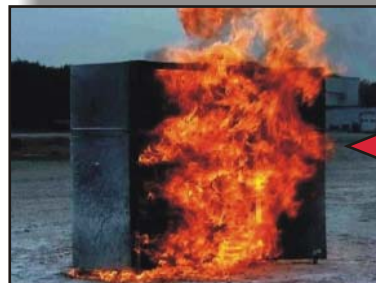
Fuel In-Depth Fire



Fuel Spill Fire



Fuel Gravity Fire



Cabinet Fire

# PROGRAM OVERVIEW

**The Fire-X-ting** Fire Training Program consists of two parts:

## **PART 1**

A presentation on the theory of fire evolution, associated hazards, class & rating of fire extinguishers, how fire extinguishers work and what type of fires they are most effectively used on. This presentation also includes what safety measures and maintenance must be incorporated, both at work and at home.

## **PART 2**

Hands-on instruction is provided in the comfort of your own office, manufacturing plant or distribution centre utilizing a rear screen projector and the **PYROSOFT®** simulator to create an incredibly realistic and interactive virtual fire right in your own facility. Employees are instructed on various extinguishers for effective distances, agent application methods and safety for themselves and their co-workers.

## **SUBJECTS COVERED**

- ▣ *Identification of the four elements of fire*
- ▣ *Recognition of the five classes of fire and which extinguishers to use on each class*
- ▣ *Evaluation of fire size and scope in addition to one's ability to extinguish it*
- ▣ *The proper, safe approach to fire*   ▣ *Special hazards to avoid*
- ▣ *Extinguishing a variety of fires and configurations*
- ▣ *The operation and maintenance of different types of fire extinguishers*
- ▣ *Effective application of fire extinguishing agents*   ▣ *Method of safely backing away from a fire*
- ▣ *Recognition of abnormalities which may hinder extinguisher performance*
- ▣ *Home Fire Safety: Smoke Detectors, Carbon Monoxide Detectors,  
Fire Department Inspections, Evacuation Procedures*

The **Fire-X-ting** Fire Training Program is truly a technological breakthrough that satisfies both safety and environmental concerns while providing expert training on the use of fire extinguishers. In addition, the program meets all the following standards for fire safety training:

**Canadian Standards:**

- 1.) *Canada Labour Codes*
- 2.) *National Fire Codes*
- 3.) *All Provincial Regulations*

**American Standards:**

- 1.) *O.S.H.A. Standard #29CFR, art. 1910 (L)*
- 2.) *N.F.P.A. #600, Incipient Response*

**Contact Paul Donnelly for training proposals on this outstanding program**



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