

## Dräger Class A Fire Training Systems Phase 1 – Observation

The Swedish Rescue Services Agency College in Skovde, Sweden has developed a multi-phased live fire training program to which all firefighters in Sweden are exposed. Draeger brings this highly evolved training philosophy to North America. These training systems have been developed to instill knowledge of fire behavior into the firefighters, providing them with their most effective weapon against fire.



The Phase 1 System is essentially a laboratory, where fire behavior can be observed from a vantage point three feet below the fire floor. It is designed to help increase knowledge of fire behavior; increase recognition of the warning signs of flashover; reinforce the proper use and limitations of PPE; and methods for testing and cooling the environment to delay flashover. The Phase I system is an excellent, knowledge based training environment, providing firefighters with first-hand experience in a controlled setting.

### **TWO COMPARTMENTS TO THE PHASE I TRAINING SYSTEM**

The Upper Compartment is the Burn Chamber and the Lower one is the Observation Chamber. The Burn Chamber floor is elevated 3 feet above Observation Chamber floor to allow the firefighters to observe the fire life cycle, while staying below the thermal conditions occurring in Burn Chamber.

### **CHAMBER WALL AND CEILING INSULATION**

Burn and Observation Chamber walls and ceilings are lined with high temperature insulation material, which is protected behind a seam welded layer of 8 gauge steel. This protects the structural integrity of the container from the grueling temperature swings the container will withstand over many hundreds of training evolutions. Phase I systems are in use that are over twelve years old with more than 1000 training evolutions. If the Burn Chamber wears out, it is designed to be replaced so that the Observation Chamber can still be utilized.

### **TWO DAY INSTRUCTORS CERTIFICATION WORKSHOP**

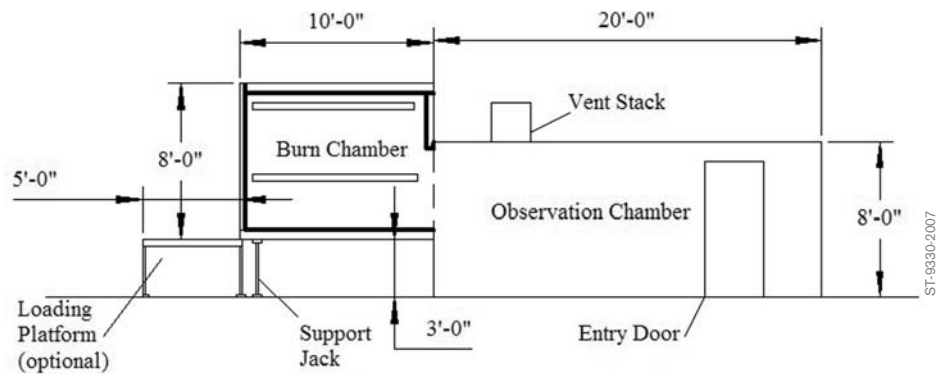
This workshop is conducted by two experienced instructors. These instructors have conducted at least 100 training evolutions in a Phase I system. This training and certification process assures that instructors are thoroughly familiarized with the safe and effective use of the Phase I training system.



The Phase 1 System – This particular unit is over four years old and has been used to conduct over 620 full training evolutions.



The Mobile Phase 1 System is trailer mounted and is then eligible for funding under the FEMA grant program.



## TECHNICAL DATA

Partek high performance insulation
14 gauge steel exterior with 8 gauge sheet metal covering insulation
5/8" chain on walls, ceiling, and doors of burn area
Ventilation System
Concrete paving to line floor of burn area
Crib fire drum
Side entry doors without locks
Access for hose line
Jacks for additional support of Burn Container
Paint - Royal Blue Standard

## THE SYSTEM INCLUDES

20 foot long Observation Chamber
10 foot long Burn Chamber
Fogfighter nozzle
2-day training course for up to 12 students
Instructor manuals
Certification upon completion

## TRAINING COURSE INCLUDES

Two Certified Instructors
Ignition sources
Fire behavior
Formation of fire gases
Fire control
Container operations
Hydration
Heat stress
SCBA & Safety Equipment training
Heat stress management
Recognition of pre-flashover conditions
Smoke and ventilation exercises
Nozzle techniques
Container Management
Safety

## OPTIONS AVAILABLE

Loading platform
Shroud for vent stack
Custom paint colors and logos
Training Instructor from Swedish Fire Academy

"... within a few weeks of completing flashover training it paid off. A fireground commander used his training at a house fire. Recognizing the signs of a developing flashover, he withdrew his firefighters from the interior and ordered vertical ventilation. This officer has no doubt his recent flashover training saved the lives of these firefighters."

Jon Greer, Training Chief  
Arvada Volunteer Fire Department

"I have been a career firefighter for some 30 years... and I can attest to the fact that the flashover container is one of the best most reliable and safest training aids to come along in a long, long time."

Lt. Benny Howard  
Dallas Fire Department

"Without a doubt, our Training Captains and myself are convinced that this training will someday prevent a significant injury or death."

Battalion Chief Dick McBlane  
Chandler Fire Department

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