

Dräger Swede Survival Phase 1 - Flashover Observation

Dräger believes in the progressive learning process when training firefighters about the characteristics of fire. The instructional program can be traced to the multi-phased live fire training program developed by the Swedish Rescue Services Agency in Skovde, Sweden.



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.

The Phase 1 system helps to increase recognition of the warning signs of flashover. Furthermore it reinforces the proper use and limitations of PPE as well as application of methods for testing and cooling the environment to delay flashover. The Phase 1 system is an excellent, knowledge based training environment, providing firefighters with first-hand experience in a controlled setting.

TWO COMPARTMENTS TO THE PHASE 1 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 1 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

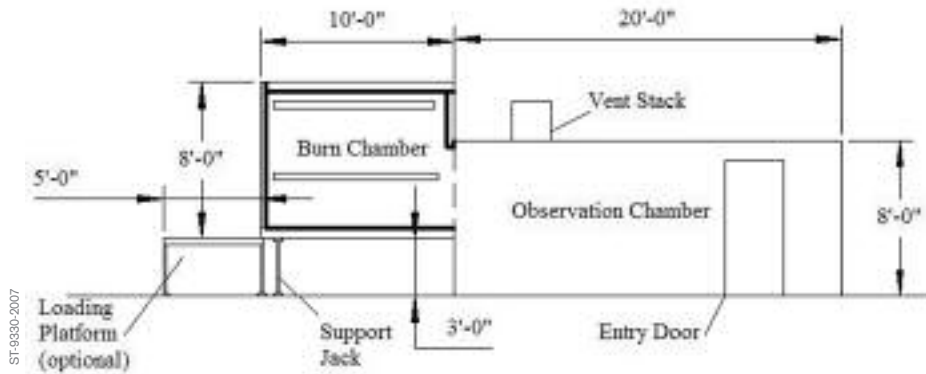
This workshop is conducted by two experienced instructors. These instructors have conducted at least 100 training evolutions in a Phase 1 System. This training and certification process assures that instructors are thoroughly familiarized with the safe and effective use of the Dräger Swede Survival Phase 1 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
- 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 Chamber
- Paint - Royal Blue or Red Oxide

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 and S.O.P.'s
- Instructor's 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 and 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 Rescue Training Center

"... 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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