

# Dräger Live Fire Training Containerized System (CLFTS)

The Dräger Containerized Live Fire Training System can be equipped with a selection of interior simulators. The CLFTS is modular, expandable, and requires only limited site preparation. It can even be moved and re-installed.



Dräger's Containerized Live Fire Training System (CLFTS) is built using a shipping container as the back-bone, and is available with a variety of features and layout options.

## Training area

The training area is built on approximately 300 sqft. Walls and ceilings are insulated, steel-lined, and seal welded to make them water-proof. Ceramic insulation used is rated for 2300F. The flooring is grit-blasted providing an anti-slip surface. Replaceable sacrificial plates are installed for the heat shielding around the areas directly exposed to flames.

Two heavy steel doors provide access to the training area of the Dräger CLFTS, and are equipped with non-binding door closers. The burn room also has two windows each with latched shutters, one stairway to the roof, and one additional smaller roof hatch for confined-space entry training. The roof is surrounded by OSHA compliant railings, covered with thick steel tread-plate deck, and can be used as additional training area.

## Equipment

Two propane fuelled simulators and one rollover simulator can be installed in a single container unit. Multi-container/multi-story units can be equipped with additional simulators.

The props are made from heavy gauge steel. Waterbath technology protects the equipment, and effectively diffuses the propane for a truly realistic flame appearance.

Further equipment includes automated fans providing combustion air and cooling, and the smoke generation systems with smoke fluid reservoir.

## Safeguards and control

The pilots, burners and ventilation are PLC controlled and designed to be fail-safe. The burner management system is designed to meet CAN/CSA B149.3 and NFPA 86.

Control feedback provided to the operator includes gas sensor readings, temperature, fan operational status, and other system status monitors. The human interface to the systems allows for wireless or corded operation of the main fires. Emergency stops at all exits and at the control panel, and a dead-man switch add to the comprehensive safety of the training system.

The Dräger Containerized Live Fire Training System (CLFTS) is thoroughly tested for quality assurance prior to shipment and at site.



**multi-prop**  
waterbath for realistic flame signature



**industrial props and rollover**  
E-stop buttons at all doors



**accessible roof area w/ hatch**  
extension of the training area

## TECHNICAL DATA

### Safety

Gas detection
Temperature sensing
Flame control for pilot burners
Monitored ventilation system
Emergency stops
Dead-man switch
Waterbath protected components
PLC controlled system
Burner management system designed to: CAN/CSA B149.3 and NFPA 86

### Training area

Approx. 300 sqft. incl. Props
Up to 2 simulators, e.g. Multi-prop,
Bed/sofa, kitchen
1 rollover simulator
2 access doors
2 windows latched with shutters
1 roof hatch
1 stairway to the roof
1 vertical removeable ladder at rear or side of the unit (can be repositioned)
Lining seal-welded (water-proof)

### Structure

Heavy gauge steel for props
Steel lining on walls and ceiling
Sacrificial plates for heat shielding
Ceramic insulation rated 2300F

### Equipment

Smoke generator and smoke fluid reservoir
2 air intake fans with automated control
1 exhaust fan

### Available props for Multi-prop

Electric motor prop
Gas bottle rack prop
Hazardous material cabinet prop
Sofa prop
Bed prop
Kitchen prop

### Other available props

Wall breaching prop
Forcible entry door prop
Standpipe and sprinkler prop

### Options

Tilt roof (manually operated)
Roof ventilation prop
Stairwell access to lower level
Moveable wall system
Exterior staircase
Balcony
Exterior scene lighting
Field inspection by an OSHA recognized 3rd party NRTL

### Recognized standards include:

NFPA 1402 and NFPA 1403
CAN/CSA B149 (as applicable)
NFPA 86 (as applicable)

## Distributor of Dräger

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