

# Dräger Live Fire Training Exterior System – the CAR (ELFTS-C)

Access from 360 degrees, three separately controlled two-stage fires - engine, passenger compartment, trunk – and realistic flame signatures make the CAR a great exterior tool for firefighter training.



Dräger's CAR - Exterior Live Fire Training System (ELFTS-C) provides you with a training tool to meet your requirements to fight typical car fires with a high number of attack lines, allowing for high flexibility in training.

### Training area

The Dräger CAR is accessible from 360 degrees, allowing access from all four sides. The Dräger CAR depicts a two door vehicle on the driver side, and a four door vehicle on the passenger side. The CAR incorporates operational hood, trunk lid, and doors.

The simulator makes use of vapor and liquid propane to fuel three separately controlled, two-stage fires:

- Engine fire,
- Passenger compartment fire and
- Trunk compartment fire.

Liquid-propane fuelled burners create large, powerful flames reaching high into the air. The Dräger CAR produces intense radiant heat which teaches trainees the importance of approaching the fire with the wind at their backs.

### Equipment

The structure is made from heavy gauge carbon steel. Waterbath technology protects the equipment, and diffuses the propane for a truly realistic flame appearance.

The smoke generation system of the Dräger CAR produces non-toxic smoke into the engine compartment and is controllable from both the wireless control pendant as well as from the main control panel.

### Safeguards and control

The pilots and burners 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 to the operators includes pilot status, propane pump status, and other system monitors. The human interface to the systems allows for wireless pendant or corded control-panel operation of the main fires. An emergency stop button at the control panel and a dead-man switch adds to the comprehensive safety of the training system.

The Dräger CAR Exterior Live Fire Training System (ELFTS-C) is thoroughly tested for quality assurance prior to shipment and at site.



**approach**  
accessible from 360 degrees



**three fires**  
engine, trunk, passenger compartment



**control panel**  
control of the fires and smoke

## TECHNICAL DATA

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### Safety

Approved flame controllers for pilot burners

Emergency stop

Dead-man switch

Waterbath protected components

PLC controlled system

Burner management system designed to:

CAN/CSA B149.3 and NFPA 86

### Equipment

Heavy gauge carbon steel

Key components in stainless steel

Smoke generation

### Options

Field inspection by an

OSHA recognized 3rd party NRTL

### Recognized standards include:

NFPA 1402 and NFPA 1403

UL 508

UL 147 (as applicable)

CAN/CSA B149 (as applicable)

NFPA 86 (as applicable)

### Distributor of Dräger

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