
LION®
> LARGE PROPS
LIVE FIRE TRAINING

OUR MISSION

EACH AND EVERY DAY, WE FULFILL THE PERSONAL SAFETY, READINESS AND IDENTITY NEEDS OF OUR CUSTOMERS WORLDWIDE.

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THE LION GOAL

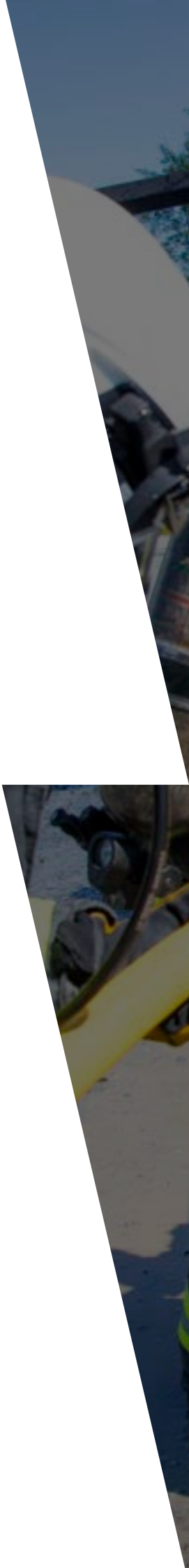
BE PREPARED:
PROVIDING FOR THE READINESS
OF FIRE PROFESSIONALS

Fire is almost human; it breathes, develops, and almost has personality traits. Every fire is different. Fire characteristics can look and feel the same as those that firefighters encountered and conquered a week or a month ago, but still… One minor difference can sneak up on fire professionals. The only way to be fully prepared is to train and keep on training, to acquire knowledge and build up skills, to enhance competence, and to always be ready to face threats and the unfamiliar.

This knowledge has guided LION for many decades. It is the foundation for our large scope in training systems and products.

Our complete live fire training range is optimal for both new firefighters and experienced responders. The M-FIRE System and Hose Line Training System, both combined with a wide variety of training props, prepare firefighters for most fire situations, demanding specific firefighting techniques depending on diverse structures and environments.

The main benefit is working in a safe and controlled way with real live fire that can be started and stopped at will. The LION live fire training range provides a broad spectrum of training possibilities - all with lifelike circumstances - for optimal training.



MEETING ALL YOUR TRAINING NEEDS, **KEEPING ALL TRAINEES ENGAGED**


WE
ARE
ALIVE

WE ARE LION

LION, a family business since 1898, has a long tradition in services and products for the health, safety and performance of first responders. In the US, LION is the largest private developer and manufacturer of their personal protective equipment, training products, facilities, and services.

In recent decades, LION has developed into a specialist for fire brigades. The company employs many former and active firefighters and first responders who, based on their practical experience, make valuable and innovative contributions to the quality and reliability of LION products and services.

LION is the largest provider of training equipment and facilities for firefighters and first responders and has built some of the largest and innovative fire training facilities in various places around the world.

> SECONDS MATTER IN FIERY SITUATIONS, **PROPER TRAINING LEADS TO RAPID RESPONSES**

LION has its head office in Dayton (OH) and offices in Albany (NY) and Toronto (Canada) as well as the dedicated EMEA and APAC office in the Netherlands for Europe, the Middle East, Asia and Australia.

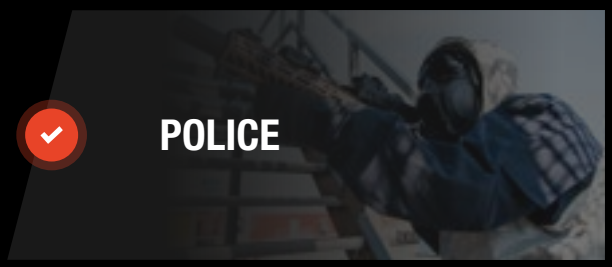
Together they serve a wide range of clients in a variety of sectors:

FIRE BRIGADES

ARMY

NAVAL FORCES

MARITIME



POLICE

INDUSTRY

AIRLINES

OIL AND GAS COMPANIES

PETROCHEMICAL INDUSTRIES

TRAINING ACADEMIES

LION has been present in Europe for over 30 years; first under the established name of Haagen, and for over a decade, as a member of the close-knit LION Group family.

WHY PROFESSIONALS **CHOOSE LION**

LION Training Systems are developed BY experienced firefighting professionals FOR firefighters and first responders, both new and seasoned. This makes our training solutions absolutely hands-on, to ensure that first responders are truly ready for action. Any fiery action!

In order to achieve that goal, our training products - built to endure intense years - offer numerous scenarios for realistic incidents. While training intensely, firefighters experience real heat, real flames, and real adrenaline. That helps to hone response and rescue skills, build teamwork, achieve excellent results, and save lives, buildings, and properties. At the same time, training circumstances offer the utmost safety, making training not only satisfactory but also enjoyable.

WANT TO KNOW MORE?

We provide a detailed description of what our training solutions offer. If you have any questions about our products, please do not hesitate to contact us. We will be happy to provide you with answers and demonstrations, so that you can experience the effectiveness and realism of lifelike training scenarios.

M-FIRE TRAINING SOLUTIONS

MULTIPLE SCENARIOS AND FULL-SCALE FLAMES IN PORTABLE TRAINING PACKAGES

M-FIRE is a live fire compact training system designed to practise extinguishing various small fires that, in real life, can break out into devastating fires. It is a perfect and mobile set-up with realistic fire to train experienced and new firefighters and first responder teams. They will learn to master a variety of extinguishing agents while battling numerous common fires.

The multifaceted M-FIRE system is suitable for adequate training in all fire departments, training companies and especially for those who want to make their training programme as safe and realistic as possible. Trainees are challenged time and again to recognise the character of the fire, select the proper extinguisher and use the correct technique to put out the fire.

The heart of the M-FIRE system is the compact burner unit with two independently operated dry burners. It is equipped with a fixed gas hose and a power cable to be connected to mains power. This main setup is designed to be used outdoors.

In addition to a number of separate large props (see below), providing a simulation of several practical situations in a very realistic manner, LION also offers a standard M-FIRE set-up with various fire options and different smaller M-FIRE props.

SPECIFICATIONS

GAS TYPE:
Propane gas

GAS CYLINDERS:
Standard bottle 10.5 kg,
diam. 30-31 cm bottle or similar

PRESSURE REDUCER:
0.5/1.5 bar max. 2 kg/h

OPERATING PRESSURE:
Approx. 1 bar

POWER:
Max. approx. 100 kW

CONSUMPTION:
Max. approx. 7.7 kg/h

SUPPLY VOLTAGE:
230 V, ± 10%

FUSE 230 V:
0,5 A-T

POWER CONSUMPTION:
Max. 20 W

LIFELIKE AND COST-EFFECTIVE TRAINING SOLUTIONS BRING **SAFETY TO LIFE**

TRAIN WITH MULTIPLE EXTINGUISHING AGENTS

Water, CO_2 and foam can be used as extinguishing agents. Powder is not suitable, because it leads to excessive corrosion, shortening the life span of the M-FIRE system and props, and requiring a lot of extra maintenance and cleaning.

SAFETY FIRST

The M-FIRE system incorporates a number of safety precautions, in order to make lifelike training as safe as possible. The burner unit works with a safe voltage of 12 V DC.

The system has a main push button that doubles as an emergency safety switch. When used, it instantly turns off the flames and shuts down the power supply.

The integrated flame detection ensures that flames are present for the gas flow to start and continue.

CHALLENGING SCENARIOS

M-FIRE can be operated manually, to create a wide variety of training scenarios, thereby matching the expertise level of trainees. It also presents three pre-programmed training opportunities: a growing fire, a fire with multiple re-ignitions and a fire with flame surges and varying levels of intensity. They teach students to stay alert at all times!

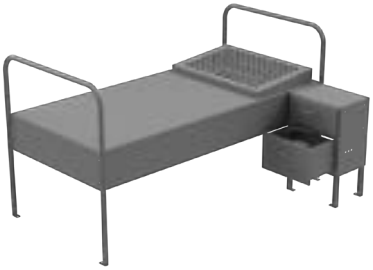
M-FIRE LARGE TRAINING UNITS

LION has several separate M-FIRE burner unit large props available. They realistically simulate common indoor fire scenarios that occur frequently in both industrial and residential buildings.

Each burner unit prop consists of a stainless steel housing with two burners. The burners can be used individually or in combination, for simulating lifelike and escalating scenarios.

All training units are made of stainless-steel.

M-FIRE **BED**



LIFELIKE DIMENSIONS (H x W x D)

Bed 1100 x 960 x 1930 mm
Bedside table 700 x 440 x 560 mm

EXAMPLES OF TRAINING SCENARIOS

- Residential bedroom fire
- Hospital, hotel and hostel fires
- Smoking in bed
- Faulty (charging) cables in the bedroom

BURNING POINTS

Pillow and bedside table

M-FIRE **DESK**

LIFELIKE DIMENSIONS (H x W x D)

Desk 800 x 1200 x 700 mm
Deep protruding drawer 260 mm

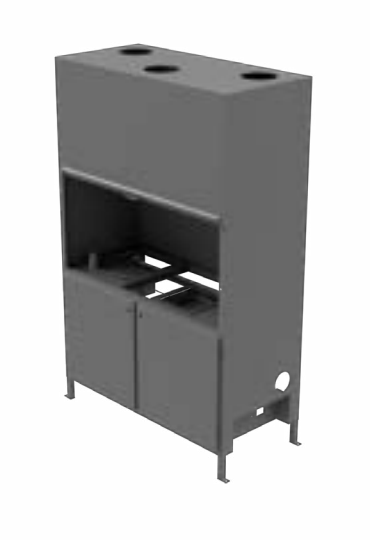
EXAMPLES OF TRAINING SCENARIOS

- Office fire
- Home office fire
- Overheating laptop, computer, or other office equipment
- Short-circuit or faulty (charging) cables

BURNING POINTS

Desktop and drawer

M-FIRE **LAB**



LIFELIKE DIMENSIONS (H x W x D)

2200 x 1400 x 650 mm

EXAMPLES OF TRAINING SCENARIOS

- Fume-cupboard fire
- Accidental chemical reaction
- Spontaneous combustion of mixed lab ingredients
- Hazardous materials

BURNING POINTS

Surface fire and spot flame (left, in the back)

M-FIRE **STOVE**

LIFELIKE DIMENSIONS (H x W x D)

2100 x 600 x 700 mm

EXAMPLES OF TRAINING SCENARIOS

- Grease and oil (spill) fires
- Greasy extractor hood catching fire
- Dry-cooking pot or pan fire
- Setting kitchen equipment on hot or burning cooker top

BURNING POINTS

Cooktop and extractor hood

M-FIRE **RACK**

LIFELIKE DIMENSIONS (H x W x D)

1550 x 1410 x 420 mm

EXAMPLES OF TRAINING SCENARIOS

- Unintentional mixing of substances
- Leaking oil or gas bottles
- Fires in domestic sheds
- Fires in warehouses

BURNING POINTS

Lower and upper shelves

FLATSCREEN TRAINER

LIFELIKE DIMENSIONS (H x W x D)

500 x 470 x 300 mm

EXAMPLES OF TRAINING SCENARIOS

- Handling a starting fire in the office
- What to do if electrical equipment is burning
- Use of handheld extinguishers
- Which agent to use
- Evacuate the office
- First responder procedure training

BURNING POINTS

Back of the screen

DUSTBIN TRAINER

LIFELIKE DIMENSIONS (H x W x D)

510 x 360 mm

EXAMPLES OF TRAINING SCENARIOS

- Handling a starting fire in the office
- Use of handheld extinguishers
- Which agent to use
- Evacuate the office
- First responder procedure training
- Danger of unknown garbage

BURNING POINTS

Bottom of the bin

OUR ADVANCED

HOSE LINE TRAINING SYSTEM

WITH REAL LIVE FIRE
FOR ALL TRAINING NEEDS

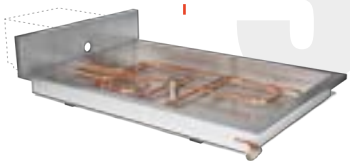
MULTIFACETED HLTS PLATFORM

CONTROL CONSOLE

The heart of the HLTS controls the propane supply, power, and a host of safety features. The console is coupled by sturdy cables and lines with the pilot box Operation is easy, with a wireless remote-control system (also available as wire-linked). The remote's buttons, including the emergency stop, can be operated even with stiff gloves on. The remote can be operated away from the main setup.

PILOT BOX

The Pilot Box houses a lot of technology, including the forced air system and the multiple solenoid valves to operate the burn zones. The quick connect gas lines are suitable for liquid propane. The maximum capacity of almost 40 litre liquid propane provides approximately 1 million BTUs (British Thermal Units). Air from the centrifugal fan intake cools the internal components. The additional centrifugal fan forces air through the pilot nozzle to meet with the injected propane, to be ignited with the integrated sparkler.



BURN TRAY

The tray features four independently operated burn zones in a water bath. The water cools both the stainless-steel tray and the copper conduits, keeping them in shape. It also makes sure that the propane flow is evenly distributed for a realistic fire. The tray provides real life flames for both small and big fires. The tray can be used in and under all kinds of props, therefore providing a multitude of training scenarios for all fire classes. Together, these HLTS-components provide intense and real heat and flames.

HOSE LINE TRAINING SYSTEMS

The HLTS is the robust and safe basis for continued training with live fire. Combined with the full range of LION Large Props, the system meets virtually every firefighting call - ranging from helicopters to paint lockers to (electric) cars to stoves and barbecues on fire.

All scenarios can be played out on the safe grounds of the fire station or training facility itself; no need to travel far, while switching from ‘airport’ to ‘kitchen’ or ‘back garden’. Together, the HLTS components provide intense and real heat and flames. By using liquid propane, the consumption is less than with natural gas while offering a higher flame intensity and better wind resistance.

In intense heat and battling real flames, firefighters develop and hone their skills. Because of the highly realistic look and feel of the incident – and its risks – they will almost forget that the situation is entirely safe and can be started and stopped at will.

That makes the serious business of fighting fires extra satisfactory. The expandable basis of the liquid propane-fed and multifaceted system consists of the control box with the remote-control, the pilot module and the burn tray. It is easy to set up and can be combined with a whole and interchangeable arsenal of training props, thereby supplying a cost-effective, and realistic platform that meets all training requirements.

The well thought out system is modular, versatile, and fully mobile. It requires only 230 V, a liquid propane supply, and a suitable location to work anytime and everywhere training is needed with fully realistic and intense fire. The training equipment must be set up a minimum of 10 metres from the console, cars, and buildings and 15 metres from combustible materials (the liquid propane vessel(s)) for the HLTS to be used safely. All components are weather-resistant and can be stored outside under a tarp or other suitable cover.

FEATURES

- MODULAR PLATFORM, ECONOMICALLY EXPANDABLE WITH A SPECIFIC RANGE OF LARGE AND INTERCHANGEABLE PROPS FOR DEVELOPING SPECIFIC TRAINING NEEDS
- MINIMAL REQUIREMENTS TO BE OPERATED SAFELY
- WIRED OR WIRELESS REMOTE-CONTROLLED
- INTENSE FLAMES AND REAL HEAT
- EASY AND QUICK TO SETUP AND OPERATE; NO TOOLS NEEDED
- CREATE AND REPEAT MANY REALISTIC TRAINING SCENARIOS, FOR BOTH NEW AND SEASONED FIREFIGHTERS

OPTIONS

- **LION SMOKE GENERATOR**
- **LION FULL SCALE PROPS**

UTILITIES REQUIRED

GAS

- Working with LPG or liquid propane
- Designed to work with three liquid gas cylinders
- The gas bottles should be provided with a limiter above 400 kW per cylinder or without a limiter

Gas bottles not included.

ELECTRICITY

- Required electrical frequency 50 Hz
- Required electrical power 230 V - 16 A
- Required 1 Phase + N + PE.

WATER

- Required water connection 15 mm (diameter)

1A

THE HEART OF THE HTLS

CONTROL CONSOLE

In the robust stainless steel housing on wheels, the heart of the HLTS controls the propane supply, power and a host of safety features, including a separate emergency stop button. All valves and controls are doubly outfitted - both in the PLC and the remote - to meet the highest safety standards. The console is directly coupled by sturdy cables and lines with the Pilot Box. It can be operated with a wired or a wireless remote-control (see next pages).

TECHNICAL SPECIFICATIONS

- **Interfaces between the prop and upstream propane and power supply**
- **The main gas console containing:**
  - Pressure reducer
  - Two electrical valves
  - Y-strainer
  - Pressure relief valve
  - Integrated remote control receiver (when used with the wireless remote control)
- **Power components including breakers**
- **Control components**
- **Built-in emergency stop button**
- **Hose and fittings to withstand environmental elements and heat from normal operation**

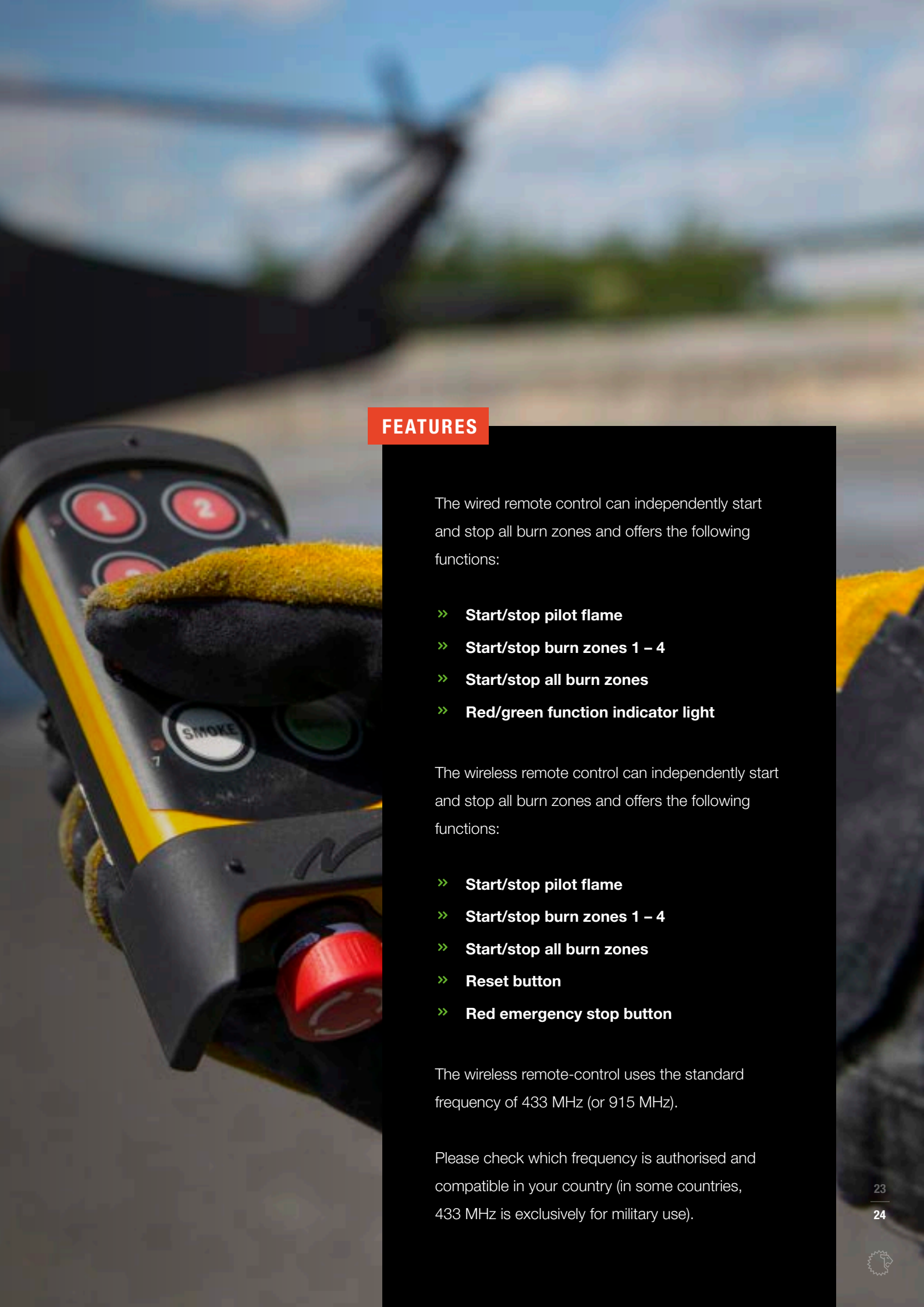
1B

WIRED OR WIRELESS

REMOTE CONTROL SYSTEM

Operation of the control console – and therefore the complete HLTS set-up - is easy, with a wireless or wire-linked remote control system. The buttons of the remote are sturdy and can be operated even with stiff gloves on. The remote can be operated away from the main set-up.

Both the remote controls and emergency stop meet all international safety standards (NFPA, NEN, DIN and BS).



FEATURES

The wired remote control can independently start and stop all burn zones and offers the following functions:

- **Start/stop pilot flame**
- **Start/stop burn zones 1 – 4**
- **Start/stop all burn zones**
- **Red/green function indicator light**

The wireless remote control can independently start and stop all burn zones and offers the following functions:

- **Start/stop pilot flame**
- **Start/stop burn zones 1 – 4**
- **Start/stop all burn zones**
- **Reset button**
- **Red emergency stop button**

The wireless remote-control uses the standard frequency of 433 MHz (or 915 MHz).

Please check which frequency is authorised and compatible in your country (in some countries, 433 MHz is exclusively for military use).

2

IGNITES THE GAS

PILOT BOX

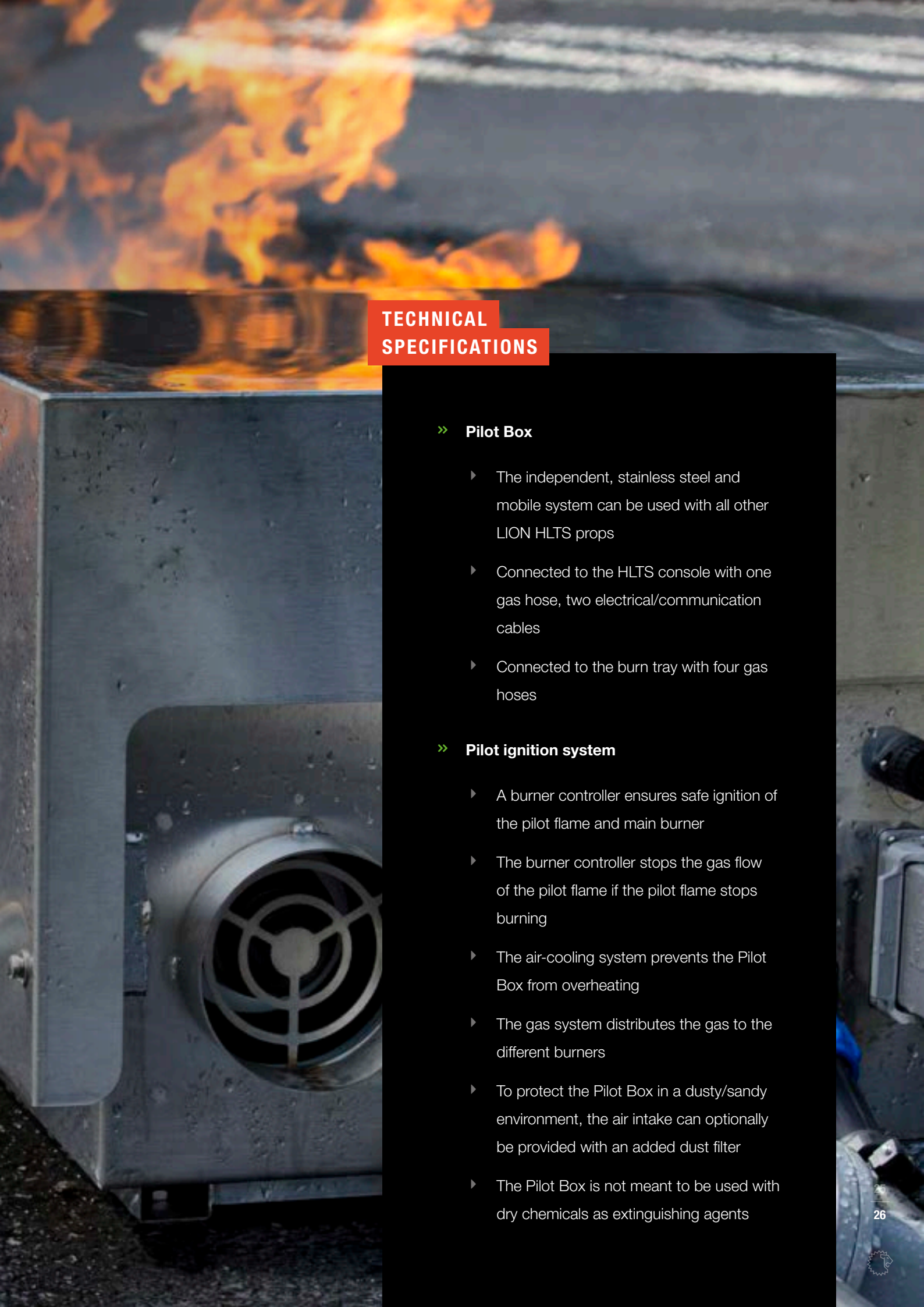
The stainless steel Pilot Box houses quite a lot of technology, including the forced air system and the multiple solenoid valves for operating the burn zones.

The quick connect gas lines are suitable for liquid propane. The maximum capacity of almost 40 litre liquid propane provides approximately no less than 1 million BTUs (liquid propane provides 23,000 British Thermal Units per litre).

The four solenoid valves control the flow to the four burn zones on the burn tray or the HLTS prop. The valves are controlled independently via the control console by the wired or wireless remote control.

Air from the centrifugal fan intake cools the internal components. The additional centrifugal fan forces air through the pilot nozzle to meet with the injected propane, so it can be ignited with the integrated sparkler.

The Pilot Box is also equipped with connections for an optional smoke generator and an optional sound system. Both additional systems enhance the lifelike circumstances of realistic firefighting situations.



TECHNICAL SPECIFICATIONS

Pilot Box

- The independent, stainless steel and mobile system can be used with all other LION HLTS props
- Connected to the HLTS console with one gas hose, two electrical/communication cables
- Connected to the burn tray with four gas hoses

Pilot ignition system

- A burner controller ensures safe ignition of the pilot flame and main burner
- The burner controller stops the gas flow of the pilot flame if the pilot flame stops burning
- The air-cooling system prevents the Pilot Box from overheating
- The gas system distributes the gas to the different burners
- To protect the Pilot Box in a dusty/sandy environment, the air intake can optionally be provided with an added dust filter
- The Pilot Box is not meant to be used with dry chemicals as extinguishing agents

3

REALISTIC BURN ZONES

BURN TRAY

Equipped with copper conduits, the stainless steel tray features four independently operated burn zones in a water bath. The water makes sure that the propane flow is evenly distributed for a realistic fire. The copper propane tubes contain orifice fittings that regulate the flow and turn the liquid propane into vapour. The now gaseous propane flows out of holes in the submerged copper tubing and rises to the surface of the water. By releasing the gas under the water surface a larger volume of flames is created upon ignition. The water also cools both the tray and the conduits, thereby maintaining their shape.

By applying four burners, LION makes sure that the multitude of training scenarios are as realistic as possible, by providing real heat as well as intense, growing, and diminishing flames.

Measuring 1.20 by 1.80m, the tray provides real life flames for both small and big fires. The tray can be used in and under all kinds of props, therefore providing a multitude of training scenarios for all fire classes. In some HLTS-props –for example, the pressure vessel- the fire tray is already built-in.

TECHNICAL SPECIFICATIONS

- The stainless steel fire tray is placed underneath or in the props
- The simulator contains four burners
- The burners have different capacities between 200 kW and 500 kW
- Lifelike dimensions: Approx. 1830 x 1220 mm

HOSE LINE TRAINING SYSTEM

SAFETY SYSTEMS

SAFELY INCORPORATE LIVE FIRE INTO YOUR TRAINING.

EMERGENCY STOP BUTTON

Emergency stop button on both the control console and remote control. By pressing the button, all solenoid valves close and power to the Pilot Box is turned off. The remaining propane in the lines will burn off within seconds.

PROPANE RELIEF VALVES

Two propane relief valves on the console are set to 250 PSI (17,2 bar), to prevent over-pressurising.

IONISATION FLAME DETECTION

Ionisation flame detection in the Pilot Box; solenoid valves will shut if no flame is detected.

SOLENOID VALVES

Pilot Box has four independently controlled solenoid valves for the four burn zones, which will not open unless the pilot flame is detected.

DOUBLE VALVES

All liquid gas pipelines built by LION are equipped with double valves. They work magnetically and operate electrically. The valves are naturally closed; they automatically shut down if electrical power is lost.

FAIL SAFE

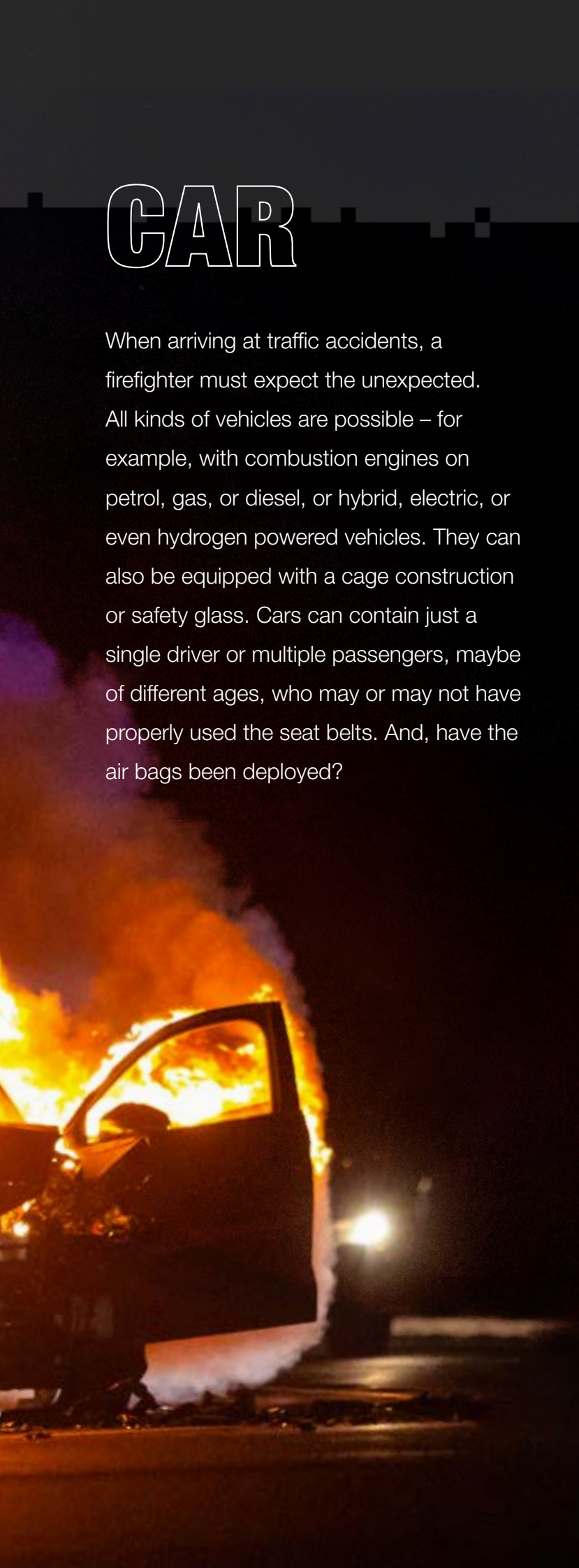
Fail-safe: if power is lost, the system automatically closes the gas valves and shuts down the gas supply.


BE FULLY
PREPARED FOR
ANY CAR FIRE

CAR

When arriving at traffic accidents, a firefighter must expect the unexpected. All kinds of vehicles are possible – for example, with combustion engines on petrol, gas, or diesel, or hybrid, electric, or even hydrogen powered vehicles. They can also be equipped with a cage construction or safety glass. Cars can contain just a single driver or multiple passengers, maybe of different ages, who may or may not have properly used the seat belts. And, have the air bags been deployed?

For proper interventions, successful rescues, and fire responses, familiarity and experience with all vehicle systems are crucial. There's no need to acquire a scrap car every time because the LION Car Fire Training Prop keeps providing the indispensable, simple, and speedy means to organise training methods to be fully prepared with ready knowledge and skills.



EXAMPLES OF TRAINING SCENARIOS

- Approach – stabilisation – calamity approach – after care
- Engine, tire, fuel tank, fuel spill and body fires
- Fixed or spreading fires
- Diminishing or growing fires
- Proper and effective cooling of hybrid/ electrical engines and batteries

THE CAR
FIRE TRAINING SIMULATOR

OPTIONS

- LION RESCUE MANIKINS
- LION SMOKE GENERATOR
- TRANSPORT TRAILER
- SOUND EFFECTS
- SMASHABLE LIGHTS
- PRY-ABLE BONNET AND BOOT

MULTIPLE BURN ZONES

Multiple burn zones: engine, trunk, cabin and front wheel

MULTIPLE TRAINING SCENARIOS

Single scenario or combinations possible

ADJUSTABLE

Adjustable flame intensities

STAGES OF FIRE

Simulates developing stages of fires by multiple burners and flame intensity

INTERACTIVE FEATURES

Interactive, with two working doors, dashboard, seats, steering wheel, bonnet, and boot

INTENSE

Intense flames, real heat, and smart controls

LIFELIKE DIMENSIONS

Approx. (L x W x H) 3675 x 1750 x 1360 mm
Weight: Approx. 800 kg

STAINLESS STEEL

3 and 5 mm 304 stainless steel

MOBILE

Mobile and realistic

EASY TO SETUP

Easy to set up and operate, with quick-connect fittings and immediate starts and stops

WATER AND FOAM

Can be used with water and foam

DURABLE

Highly durable for years, with integrated cooling system and heavy-duty construction


DON'T LET THE
UNKNOWN
SURPRISE YOU

PRESSURE VESSEL

When approaching a pressure vessel - leaking or not - that is engulfed in flames, you and your team delve into the unknown; what is inside? It can be highly flammable and/or even hazardous. And the label on the vessel may be unreadable. Overpressure can occur, by overheating caused by a process malfunction or a fire next to the tank - with all consequences.

The first order of business is cooling. To be able to secure and close the service valve, the firefighters need to be shielded by hose lines. Their main job is to prevent an explosion caused by boiling liquid that expands into vapour and to prevent the surrounding structure from collapsing. After that, the fire must also be put out; that goes without saying.

The LION Pressure Vessel Fire Training Prop is ideal for playing out a multitude of scenarios. It can be used to intensively train less experienced firefighters and maintain the skills of the experienced crew members as well. All firefighters will learn to choose and execute the right strategies to deal with a dangerous pressure vessel.

EXAMPLES OF TRAINING SCENARIOS

- Prevent boiling liquid expanding vapour explosion (BLEVE)
- Choosing the right strategies in unknown, hazardous situations
- Cracked and leaking vessel
- Proper cooling of the vessel
- Opening of locked dome to reach and secure vessel valve
- HazMat training, including working with gas detectors, donning and working in HazMat suits and breathing apparatus, using foam

THE PRESSURE VESSEL
FIRE TRAINING SIMULATOR

OPTIONS

- HEAT RESISTANT PAINT ON STAINLESS STEEL
- GAS TROLLEY FOR THREE BOTTLES (BOTTLES NOT INCLUDED)
- LION SMOKE GENERATOR

MULTIPLE BURN ZONES

Multiple burn zones, high intensity fire

MULTIPLE TRAINING SCENARIOS

Single scenario or combinations possible

HAZARD SPILL

“Cracked tank” hazard spill (leak simulated with water)

INTERACTIVE FEATURES

Fully functional vapour service valve

LIFELIKE DIMENSIONS

Approx. (L x W x H) 2300 x 1300 x 1300 mm, 946 l

MOBILE

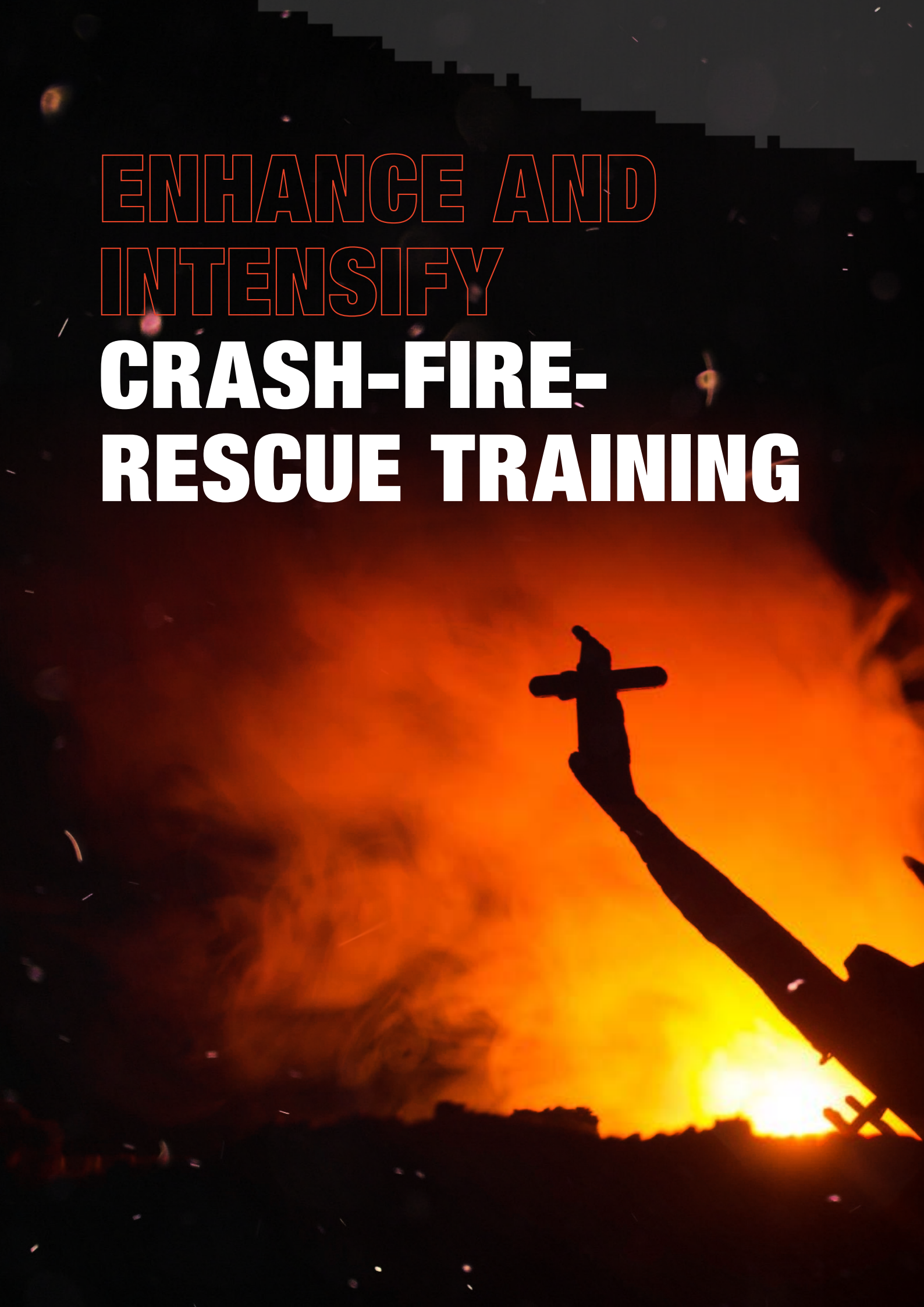
Casters for moving the vessel

EASY TO SETUP

Easy to setup and operate, with quick-connect fittings and immediate starts and stops

DURABLE

Highly durable for years, with heavy-duty construction



ENHANCE AND INTENSIFY CRASH-FIRE-RESCUE TRAINING

HELICOPTER

In the event of a crash and/or burn, a helicopter demands a specific approach as an aircraft with characteristic properties. With a multitude of catastrophe scenarios comes a broad range of essential training requirements. Has the helicopter crashed and is it tilting or on its side? Has refuelling gone horribly wrong, thereby igniting the aircraft? Are engine and rotors still running? Is the landing gear structurally safe or invisibly damaged on impact?

Are the sliding doors buckled or can they be opened? What about the crew and potentially weapons on board?

The -construction of a- helicopter makes all sorts of unpredictable problems possible in the event of catastrophes. Each and every one of those has to be thoroughly trained, to assure successful rescue and firefighting missions in real life.

EXAMPLES OF TRAINING SCENARIOS

- Crash, with running engine and rotors
- Ignition at refuelling
- Crew rescue
- Deformed doors and cabin cage
- Leakage of fuel, oil and/or hydraulic fluids
- Hot pitot tubes, exhausts, magnesium or composite parts, batteries or brakes

THE HELICOPTER
FIRE TRAINING SIMULATOR

OPTIONS

- WEAPONS PROP
- EXTERIOR FUEL SPILL PROP
- LION RESCUE MANIKINS
- LION SMOKE GENERATOR

MULTIPLE BURN ZONES

Multiple burn zones for creation of cockpit, cabin and engine fires

MULTIPLE TRAINING SCENARIOS

Customisable and repeatable training scenarios

REALISTIC

Realistic moveable rotor blades, pilot seats, gear wheels, windscreen frames, working cockpit and cabin doors

INTERACTIVE FEATURES

Interactive and lifelike properties: with movable rotors, functional cockpit and cabin doors, and integrated smoke and sound effects

LIFELIKE DIMENSIONS

Approx. (L x W x H) 7270 x 2160 x 2600 mm

REMOTE CONTROL

Flame intensity remotely adjustable

MOBILE

Mobile, on steel casters and easy to setup and operate

DURABLE

Highly durable for years, with integrated cooling system and heavy-duty construction

PROPER TRAINING LEADS TO RAPID RESPONSES

AIRCRAFT WING

In accidents, the fuel-holding wings with attached engines and the landing gear are the most vulnerable and dangerous parts of an aircraft. The landing gear heats up considerably and is prone to sparking when things go wrong on landing. Litres of highly inflammable fuel and hydraulic fluids form clear and present dangers as well - not to mention a powerful jet engine that is running at high speed. These are just unfortunate crash scenarios…

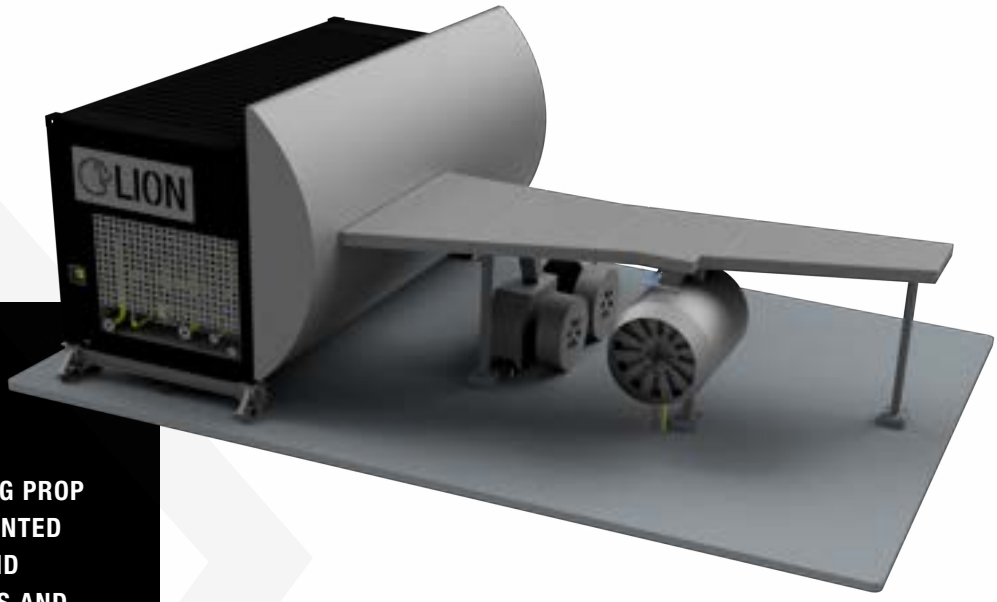
But what about static accidents - like fuel spill or ignition, or spillage of hydraulic or brake fluids?

To keep crew, passengers and cargo safe from harm, it is especially important to focus on these main structures in case of fire and rescue response training. By combining the critical parts in one large, easy to set-up and operate system without the fuselage, the LION Wing Prop offers all essential scenarios for this.

EXAMPLES OF TRAINING SCENARIOS

- Procedure: arriving, vehicle position, knock down, proper approach from all angles
- From portable extinguishers and hand lines to crash tenders (powder not recommended)
- Combating wing, spill, landing gear, and jet engine fires, and multiple combinations thereof
- Landing gear fires resulting from leaking hydraulic or brake fluids or (over)heated brakes
- Fires at both inlet and exhaust sides of the jet engine, with multiple intensities
- Spill fires caused by fuel or hydraulic or brake fluids

THE AIRCRAFT WING
FIRE TRAINING SIMULATOR



OPTIONS

- THE AIRCRAFT WING PROP CAN BE COMPLEMENTED WITH FUSELAGE AND CABIN WITH CHAIRS AND OVERHEAD BINS

MULTIPLE BURN ZONES

Multiple burn zones

MULTIPLE TRAINING SCENARIOS

Single scenario or combinations possible

STAGES OF FIRE

Simulates developing stages of fires by multiple burners and flame intensity

INTERACTIVE FEATURES

Realistic wing for most common used configurations

LIFELIKE DIMENSIONS

Wing: Approx. (L x W) 6000 x 2500 mm
Motor: Approx. (Ø x L) 1200 x 1800 mm

FIRE TRAY USAGE

Fire tray behind the engine, to simulate spill, inlet and exhaust fires

INTENSE

Fires with multiple intensities

EASY TO SETUP

Easy to set up and operate, with quick-connect fittings and immediate starts and stops

WATER AND FOAM

Can be used with water and foam

DURABLE

Highly durable for years, thanks to an integrated cooling system and heavy-duty, all-steel construction

FLANGE

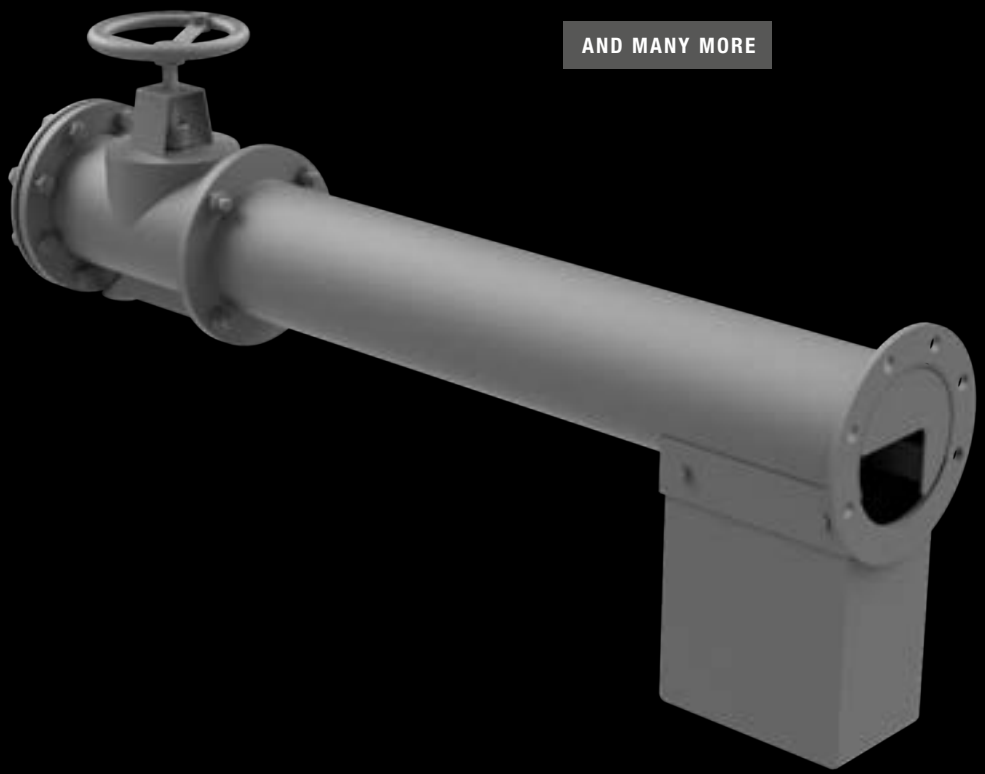
TRAINING TO BE PREPARED FOR SURPRISES IN REAL LIFE

For specific training on battling flange fires, LION also developed a dedicated Flange Fire Trainer System. The lifelike prop is especially suitable for training for flange gasket leak fires. This dry and stand-alone system is equipped with its own remote control and connecting cables. It offers multiple simulations of events that can happen in (petro-/chemical) industries, like leakage of unknown substances, combustible liquids and gases.

EXAMPLES OF TRAINING SCENARIOS

- HazMat training, including working with gas detectors, donning and working in HazMat suits, spill control, environmental measurements and use of foam
- Approaching a burning leakage with a proper protective water screen
- Nozzle and hose line handling
- Industrial process blocking principle
- Approaching, handling and cooling pressurised gas fire, area and main supply
- Team and command training, also for escalating fires with victims

AND MANY MORE



TRAINING VALVE

Hand-wheel for training valve to simulate shutting off fuel supply to large fire

EASY TO SETUP

Easy to setup and operate, with quick-connect fittings and immediate starts and stops

VAPOUR OR LIQUID GAS

Suitable for vapour gas or liquid gas supply

STAINLESS STEEL

Stainless steel. Long durability for years, thanks to an integrated cooling system and heavy-duty, all-steel construction

LIFELIKE DIMENSIONS

Approx. (L x W x H) 1225 x 250 x 510 mm

WATER AND FOAM

Usable with water and foam

STOVE

HANDS-ON TRAINING TO PUT A LID ON KITCHEN FIRES IN REAL LIFE

Stove fires can be unpredictable. Such a fire inside residential buildings – likely in the household rush hour - can occur on top of and inside the cooker and can be fed by gas and oils or grease in pots and pans.

While firefighting you can also encounter hot metals and melting plastics as well as burn victims and the vicinity of the kitchen interior that need to be treated.

EXAMPLES OF TRAINING SCENARIOS

- Wearing and working with a breathing apparatus
- Working with a thermal imaging camera, Z reconnaissance, and measuring residual heat
- Working with gas and explosion level detectors
- Nozzle and hose line handling
- Approaching, handling and cooling of pressurised gas fire, oil/grease fire, and main supply
- Team and command training - also for escalating fires with victims

AND MANY MORE

MOBILE

Mobile, easy to set up and operate

STAINLESS STEEL

3 and 5 mm 304 stainless steel

TURNABLE KNOB

With one turnable knob (no effect)

PLACEMENT

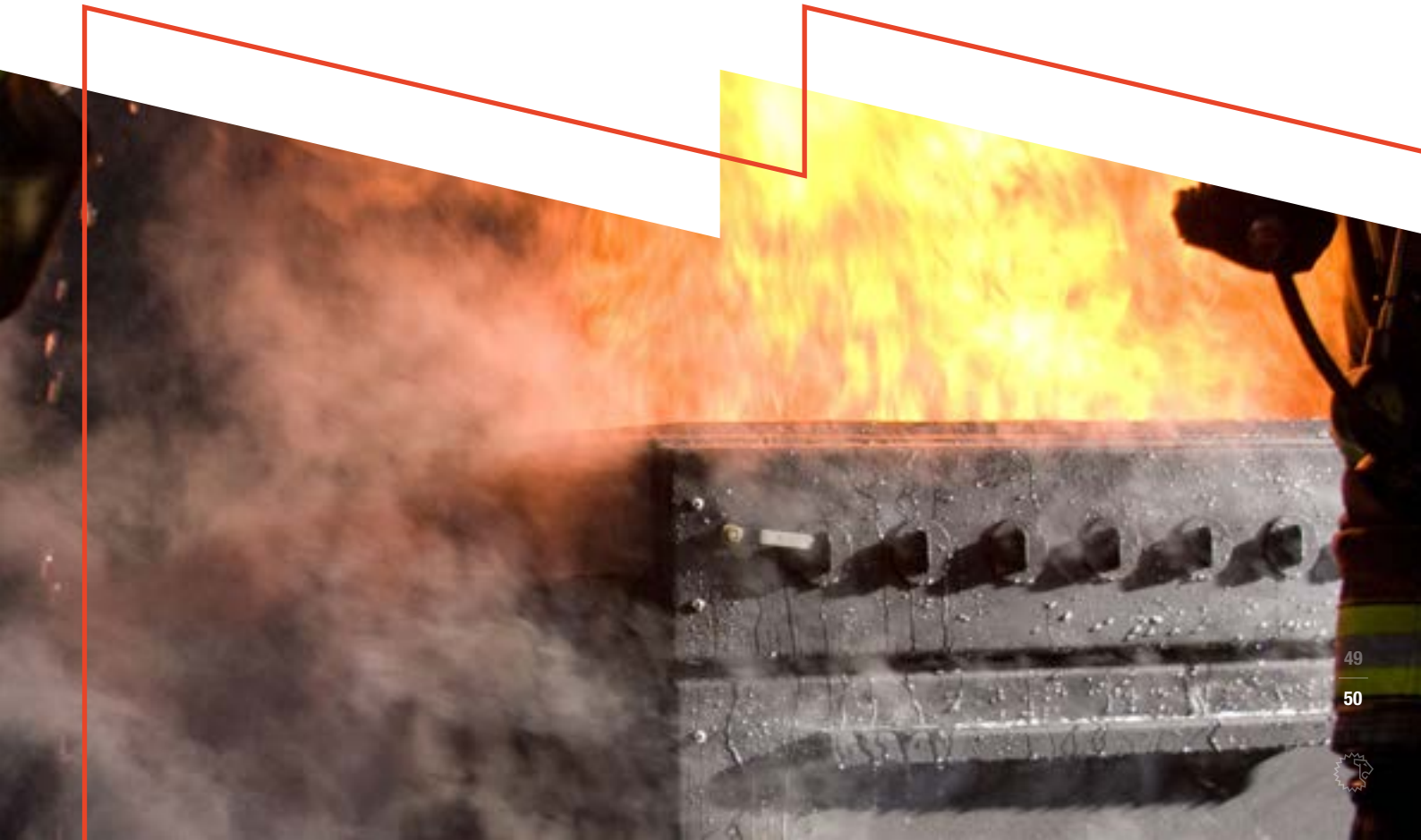
To be placed on top of the
HLTS burn tray

LIFELIKE DIMENSIONS

Approx. (L x W x H) 880 x 860 x 1000 mm
Weight: Approx. 100 kg

REALISTIC

Similar to a stove with an oven; artificial door, not openable



BARBECUE GRILL

OPTIMAL TRAINING TO SAVE THE PARTY

In the summertime you can surely expect calls to action to battle barbecue fires in gardens and on decks.

To be fully prepared year-round, the LION BBQ Fire Training Prop with live fire provides easy to set-up simulations of real barbecue fires with hot gas cylinders, grease/oil fires, and possibly victims.

EXAMPLES OF TRAINING SCENARIOS

- Wearing and working with a breathing apparatus
- Working with gas and explosion level detectors
- Nozzle and hose line handling
- Approaching and handling gas and grease/oil fires, hot gas bottles
- Team and command training - also for escalating fires with victims

AND MANY MORE

MOBILE

Mobile, easy to set up and operate

WEIGHT

Approx. 100 kg

STAINLESS STEEL

3 and 5 mm 304 stainless steel

PLACEMENT

To be placed on top of the HLTS burn tray

LIFELIKE DIMENSIONS

Approx. (L x W x H) 800 x 900 x 1000 mm

REALISTIC

With top lid and gas bottle tray on the side with active burner

GAS METER

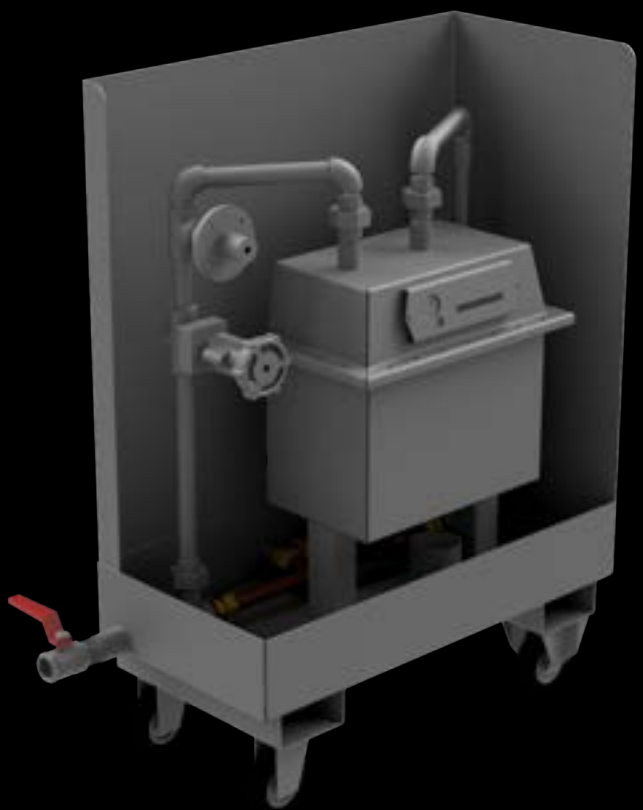
UNDER PRESSURE: TRAIN TO TACKLE GAS METER FIRES

Every firefighter is sure to encounter residential and industrial gas meters inside or in the open. To properly tackle these situations with the right knowledge and skills, preparation and training are essential. Time and again, the LION Gas Meter Fire Training Prop will teach and train the necessary cooling of the area, the handling of burning pressurised gas leaks, and the blocking – not extinguishing – of the main gas supply.

EXAMPLES OF TRAINING SCENARIOS

- Wearing and working with a breathing apparatus
- Working with a thermal imaging camera, Z reconnaissance, and measuring residual heat
- Working with gas and explosion level detectors
- Nozzle and hose line handling
- Approaching, handling and cooling pressurised gas fire, area, and main supply
- Team and command training - also for escalating fires with victims

AND MANY MORE



MOBILE

Mobile, easy to set up and operate

WEIGHT

Approx. 40 kg

STAINLESS STEEL

3 and 5 mm 304 stainless steel

PLACEMENT

To be placed on top of the HLTS burn tray

LIFELIKE DIMENSIONS

Approx. (L x W x H) 800 x 500 x 500 mm

REALISTIC

Lifelike valve and small flange with active burner ignited by burn tray

TRASH CAN

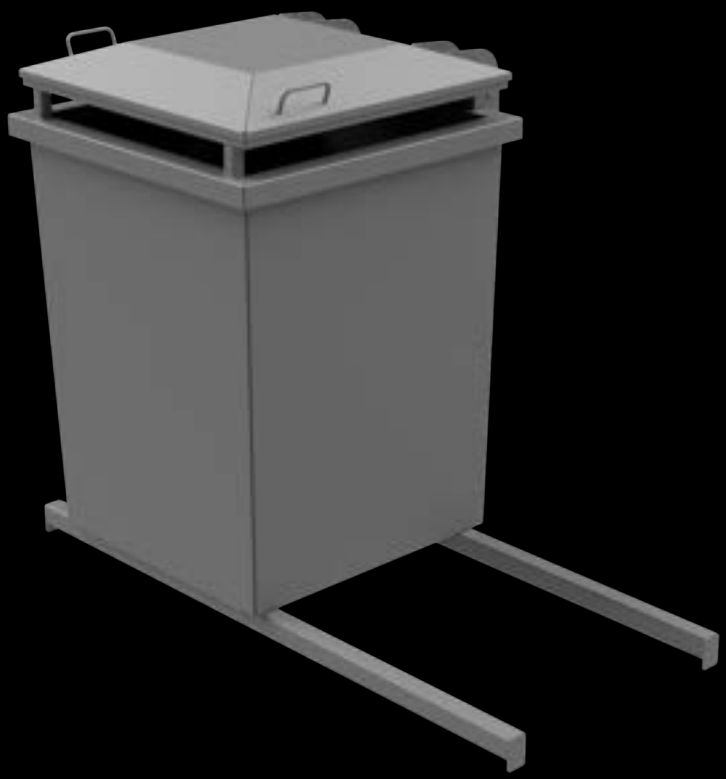
PREPARE THOROUGHLY, PREVENT WORSE

Guaranteed to pop up in every fire station's alarm call: the residential, office or industrial trash can that caught fire by hot ashes, a smouldering match or a cigarette. Its contents can widely differ, as do the surroundings and other circumstances. Nevertheless, a "simple" burning rubbish bin can - and will - quickly escalate. The solution is universal: train, train, and train all kinds of conditions, so that when the time comes, you will be able to defuse the danger and protect the people, buildings, and property.

EXAMPLES OF TRAINING SCENARIOS

- Wearing and working with a breathing apparatus
- Working with a thermal imaging camera, Z reconnaissance, and measuring residual heat
- Working with gas and explosion level detectors
- Nozzle and hose line handling
- Approaching, handling and cooling pressurised gas fire, area and main supply
- Team and command training - also for escalating fires with victims

AND MANY MORE



MOBILE AND REALISTIC

Mobile, easy to set up and operate

WEIGHT

Approx. 60 kg

STAINLESS STEEL

3 and 5 mm stainless steel

PLACEMENT

To be placed on top of the HLTS burn tray

LIFELIKE DIMENSIONS

Approx. (L x W x H) 800 x 500 x 1000 mm

REALISTIC

Realistic, with removable lid on top

DUMPSTER

KEEP ON EXERCISING HOW THERE IS NO TIME TO WASTE

A garbage container on fire can present you with a lot of unpleasant surprises: there can be a whole host of invisible and burnable materials inside. It is surprising how many everyday items and materials can start or magnify a fire. Perhaps the waste contains greasy or oily substances? Maybe old gas bottles or spray cans were discarded? This LION prop - in combination with the HLTS - keeps on helping train the necessary cautionary approach such an unpredictable fire requires in real life.

EXAMPLES OF TRAINING SCENARIOS

- Working with a thermal imaging camera, Z reconnaissance, and measuring residual heat
- Training with gas and explosion level detectors
- Manoeuvring in a challenging industrial area and cooling the boundary
- Nozzle and hose line handling
- Approaching, handling, and cooling pressurised fire and burning spill
- Team and command training - also for escalating fires with victims

AND MANY MORE

MOBILE AND REALISTIC

Mobile; four casters for easy moving
Realistic; with two working hinged top lids

WEIGHT

Approx. 200 kg

MULTIPLE BURN ZONES

Multiple burn zones, below the rim and at the bottom

PLACEMENT

To be placed on top of the HLTS burn tray

LIFELIKE DIMENSIONS

Approx. (L x W x H) 2000 x 900 x 1100 mm

STAINLESS STEEL

3 and 5 mm stainless steel

WALL

BE PREPARED TO BATTLE RECURRING FIRES AT GREAT HEIGHTS

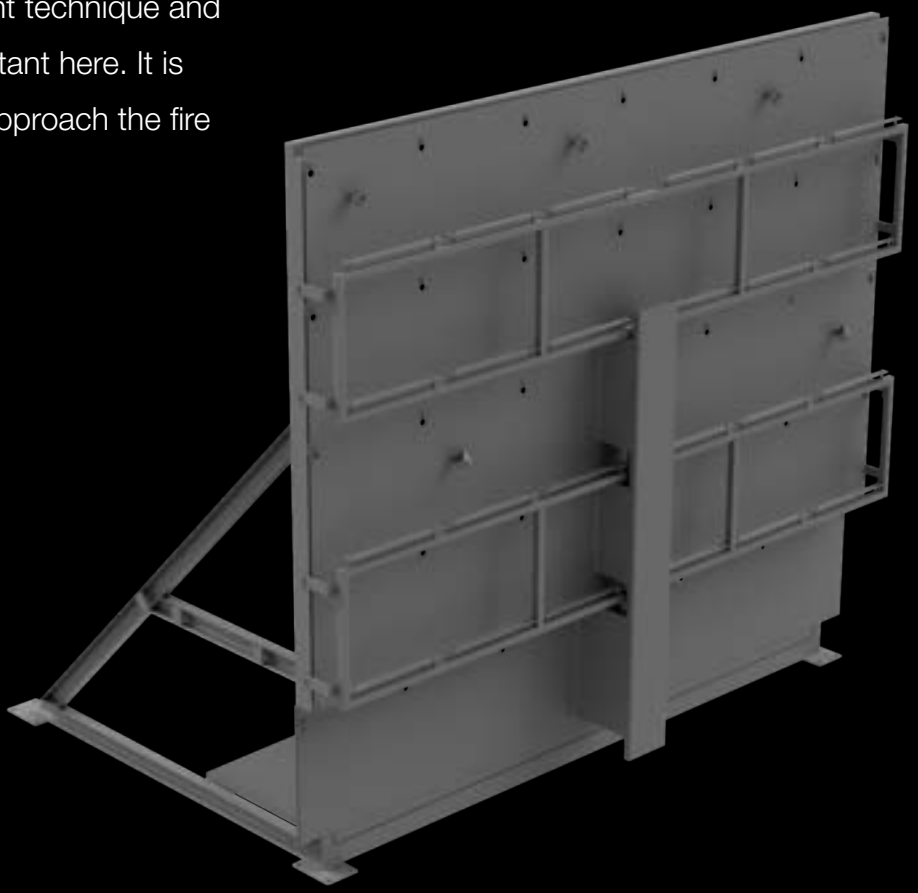
Flammable cladding has been used on buildings since the 1980s. It is important that firefighters are familiar with the dangers of a burning façade - the Grenfell Tower in London comes to mind - and how to respond.

The LION Wall Prop can be used in various scenarios with burning cladding. The danger lies in fires at height. The fire often rages on between the wall and the cladding. In many cases, the façade can start burning again after visible flames have been extinguished. The right technique and especially tactics are important here. It is essential to know how to approach the fire to definitely extinguish it.

EXAMPLES OF TRAINING SCENARIOS

- Approach – stabilisation after care
- Procedure: arriving, vehicle position, fixed or spreading fires
- Diminishing or growing fires
- Fire at height
- Re-flaring fire

AND MANY MORE



BURNERS

Two burners with varying flame heights

STAINLESS STEEL

3 and 5 mm stainless steel with
758 mm high galvanised carbon steel
support frame

WATER COOLING SYSTEM

Equipped with water-cooling system

LIFELIKE DIMENSIONS

Approx. (L x W x H) 2000 x 1989 x 2758 mm

PROPANE CYLINDER

LIVE FIRE TRAINING FOR REAL LIFE ENCOUNTERS

Common in many households and businesses, gas cylinders account for numerous accidents and fires. Old and maybe cracked cylinders and hoses and deteriorated valves can cause leaks as well as full fires that engulf the whole tank and the valve on top.

By training with this prop, that is durable for years, firefighters will be sure to respond correctly and swiftly when needed.

EXAMPLES OF TRAINING SCENARIOS

- Wearing and working with a breathing apparatus
- Working with a thermal imaging camera, Z reconnaissance, and measuring residual heat
- Working with gas and explosion level detectors
- Nozzle and hose line handling
- Approaching, handling and cooling gas fires and hot gas bottles
- Team and command training - also for escalating fires with victims

AND MANY MORE

MOBILE

Mobile, easy to set up and operate

WEIGHT

Approx. 50 kg

STAINLESS STEEL

3 and 5 mm 304 stainless steel

PLACEMENT

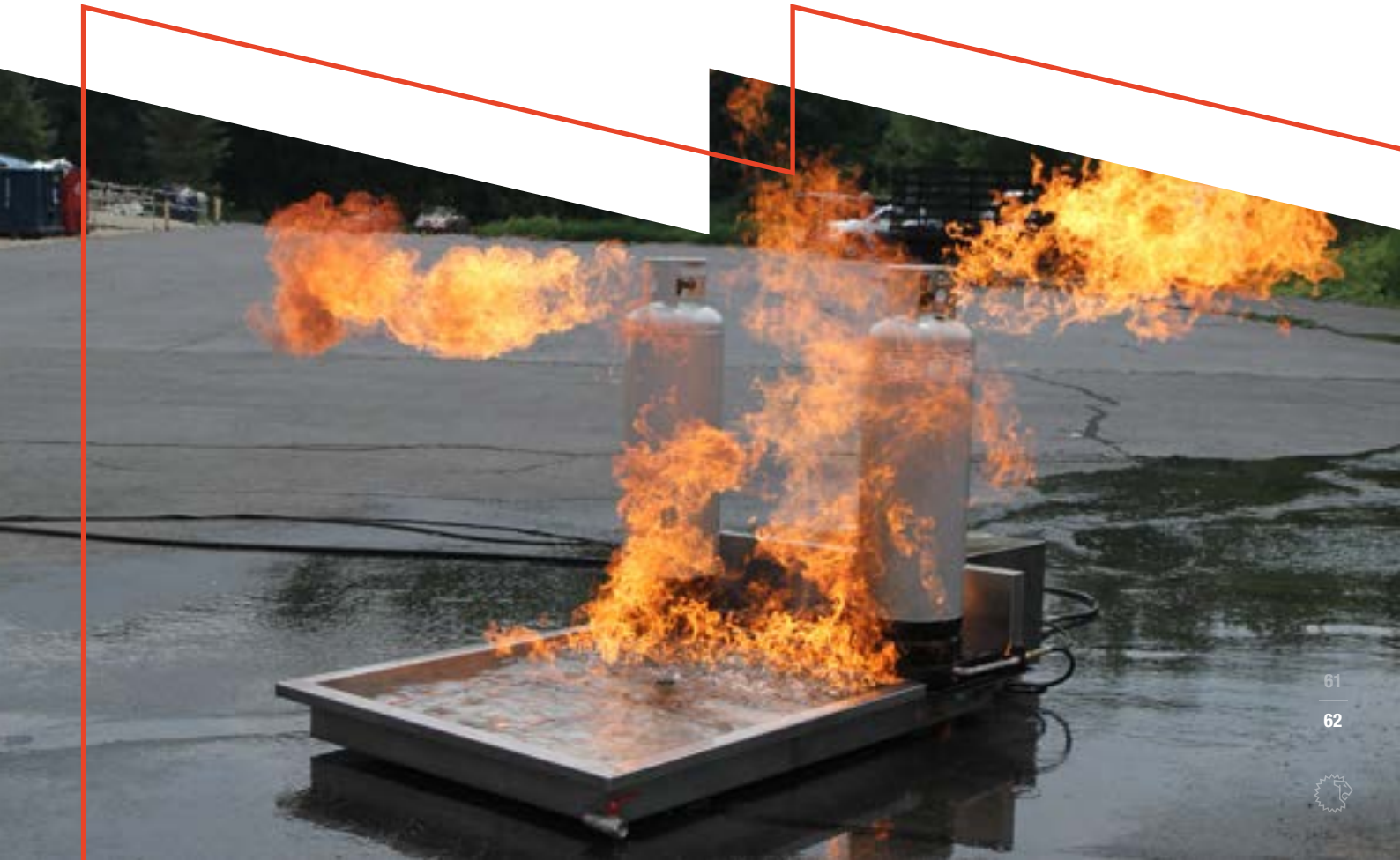
To be placed on top of the HLTS burn tray

LIFELIKE DIMENSIONS

Approx. (L x W x H) 300 x 800 x 1000 mm

REALISTIC

Two realistic propane cylinders: one with active burner, ignited by the burn tray



SPLIT PIPE FLANGE

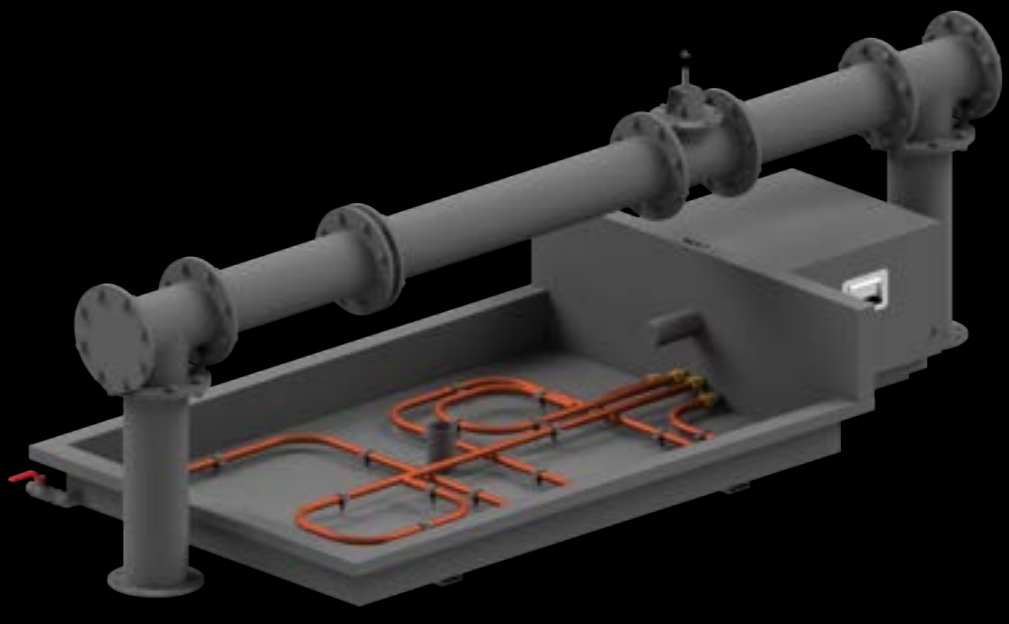
CHALLENGING CONDITIONS, CHALLENGING YOUR EXPERIENCE

This pipe joint and valve assembly is a multifunctional prop that targets all kinds of training for industrial incidents. The leaking and/or burning flange can spill unknown liquids and vapours, hot and cold and possibly pollute the environment, air, and the direct surroundings of incidents. An effective mixture of cooling, blocking, and pressure management is necessary and is therefore the main goal of all training scenarios. Extinguishing the fire comes second; it might cause more pollution. Extinguishing by blocking pressure may cause flames to retract into the pipe(s). The prop serves to provide essential training that is definitely a must!

EXAMPLES OF TRAINING SCENARIOS

- Lock Out, Tag Out: LOTO-safety procedure for machines
- Working with a thermal imaging camera, Z reconnaissance, and measuring residual heat
- Working with gas and explosion level detectors
- Approaching a burning leakage with a proper protective water screen
- Industrial process blocking principle
- Approaching, handling, and cooling pressurised gas fire, area and main supply

AND MANY MORE



MOBILE AND REALISTIC

Mobile, easy to set up and operate

WEIGHT

Approx. 80 kg

STAINLESS STEEL

3 and 5 mm stainless steel

PLACEMENT

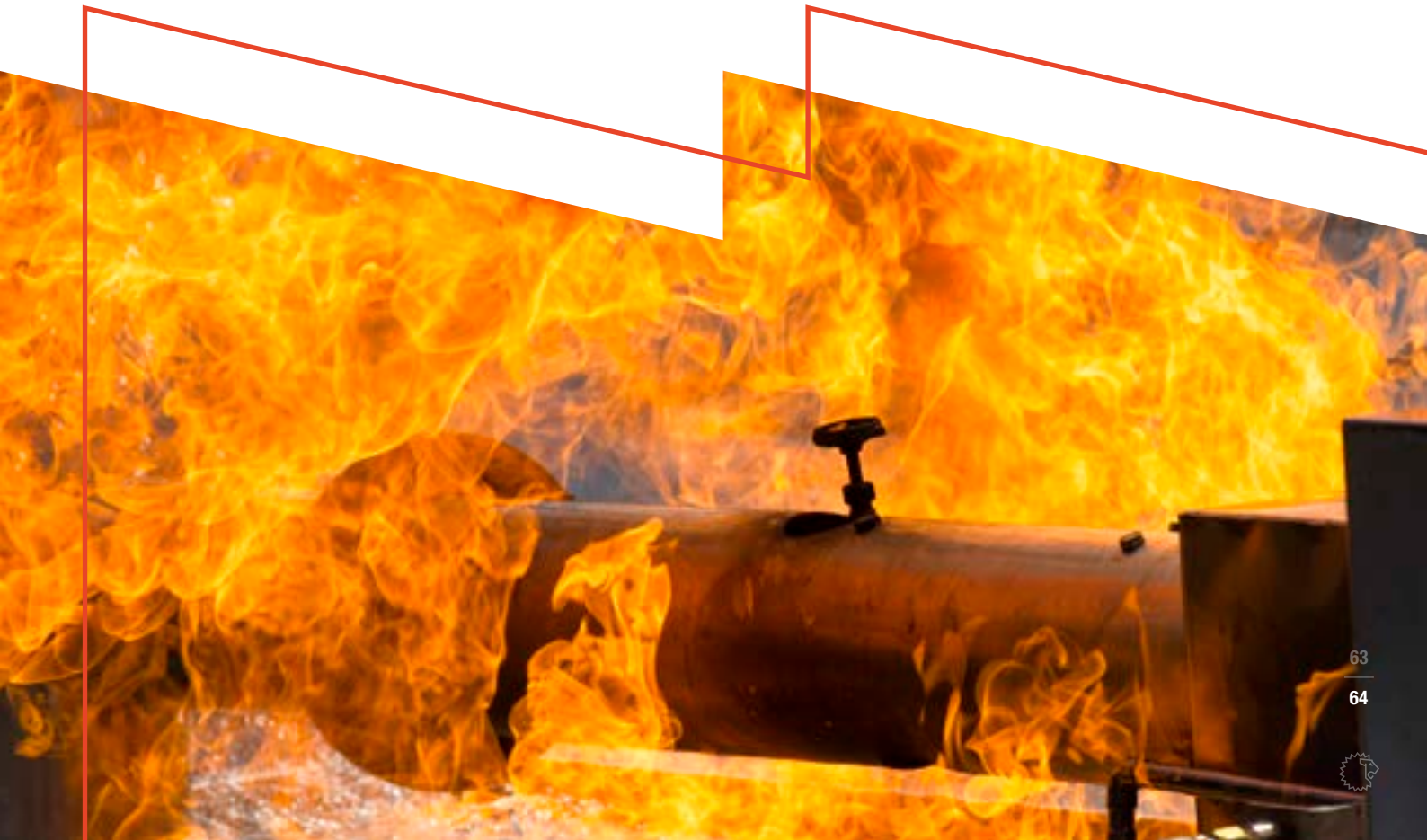
To be placed on top of the HLTS burn tray

LIFELIKE DIMENSIONS

Approx. (L x W x H) 1200 x 800 x 500 mm

REALISTIC

Realistic, with one pipe, fake valve and flange with active burner ignited by the burn tray



FUEL SPILL

INTENSE FIRES TO INTENSIFY YOUR TRAINING REALISM

In your firefighting career you will be sure to encounter numerous fuel spills from all kinds of vehicles and engines. This prop trains you to step up and tackle all those with confidence and experience. The stainless steel burn tray with multiple burn zones keeps on creating realistic simulations and intense scenarios. Training challenges you to develop and implement the right strategies, using hand lines, CO_2, powder, foam, and water extinguishers.

EXAMPLES OF TRAINING SCENARIOS

- Wearing and working with a breathing apparatus
- Working with a thermal imaging camera, Z reconnaissance, and measuring residual heat
- Working with gas and explosion level detectors
- Nozzle and hose line handling
- Approaching, handling and cooling pressurised gas fire, area, and main supply
- Team and command training - also for escalating fires with victims

AND MANY MORE

BURNERS

Four burners, independently operated

STAINLESS STEEL

Stainless steel standard HLTS burn tray

BURNER CAPACITY

Burners with capacities between 200 and 500 kW

LIFELIKE DIMENSIONS

Approx. 1830 x 1220 mm

PIPE AND VALVE ASSEMBLY

SIMULATE A REAL PIPE AND VALVE ASSEMBLY FIRE, TIME AND AGAIN

The purpose of this prop is to create awareness of the dangers such fires create in the vicinity of an industrial area as well as the dangers of extinguishing the fire before the source of the pressurized product is blocked.

By using multiple burn zones in the HLTS, flames can realistically engulf the assembly base. Other possible scenarios are a diminishing fire and flare-ups.

EXAMPLES OF TRAINING SCENARIOS

- Working with a thermal imaging camera, Z reconnaissance, and measuring residual heat
- Working with detectors of gas and explosion levels
- Manoeuvring in a challenging industrial area and cooling the boundary
- Nozzle and hose line handling
- Approaching, handling, and cooling pressurised fire and burning spill
- Team and command training - also for escalating fires with victims

AND MANY MORE

MOBILE

Mobile, easy to set up and operate

STAINLESS STEEL

3 and 5 mm 304 stainless steel

ACTIVE BURNER

Equipped with an active burner on a flange, ignited by the fire tray

PLACEMENT

To be placed on top of the HLTS burn tray

LIFELIKE DIMENSIONS

Approx. (L x W x H) 500 x 500 x 1500 mm
Weight approx. 50 kg

PIPES AND FLANGES

Equipped with one central pipe and four branch pipes with four valves (dummy) and four flanges

PETROL PUMP

REFUEL YOUR SKILLS AND KNOWLEDGE WITH DEDICATED TRAINING

The scenario of the petrol hose or spilled fuel catching fire because of static electricity or a smoking customer is a nightmare for every pump owner - and firefighter. Within mere seconds, such a fire can develop into a puddle fire and - even worse - the whole pump or even the petrol station can ignite!

The Petrol Pump Prop is a true-to-nature copy of a pump as we see at every petrol station.

EXAMPLES OF TRAINING SCENARIOS

- Correctly approaching the fire and securing the surroundings
- Isolating the fire with extinguishing agents
- Combatting spill fire, hose fire and pump fire
- Working with foam after the occurrence of a surface fire
- Preventing expansion of the fire from the pump to the refuelling car - or vice versa

AND MANY MORE

BURN POINT

With burn point at the hose (to be connected to the HLTS burn tray)

STAINLESS STEEL

3 and 5 mm stainless steel

PLACEMENT

To be placed on top of the HLTS burn tray

LIFELIKE DIMENSIONS

Approx. (L x W x H) 1250 x 874 x 1850 mm

PAINT LOCKER

SIMULATING WHAT CAN HAPPEN, STIMULATING EXPERIENCE AND EXPERTISE

LION has another set of difficult training scenarios for you in store with the paint locker. What does it contain? Are the canisters and buckets closed? Can they explode? Are they combustible? HazMat? After cooling, the situation must be assessed and controlled. Extinguishing can start only when there is a full picture of the materials inside. This versatile prop with multiple burn zones, two shelves, mock cans and ventilation offers diverse and realistic training scenarios - even including HazMat situations.

EXAMPLES OF TRAINING SCENARIOS

- HazMat training, including working with gas detectors, donning and working in HazMat suits, spill control, environmental measurements, and the use of foam and/or powder
- Approaching a burning leakage with a proper protective water screen
- Working with a thermal imaging camera, Z reconnaissance, and measuring residual heat
- Cooling surroundings, materials and equipment
- Nozzle and hose line handling
- Team and command training - also for escalating fires with victims

AND MANY MORE

MOBILE AND REALISTIC

Lifelike and mobile stainless steel cabinet with shelf, mock cans and ventilation

WEIGHT

Approx. 200 kg

STAINLESS STEEL

3 and 5 mm stainless steel

PLACEMENT

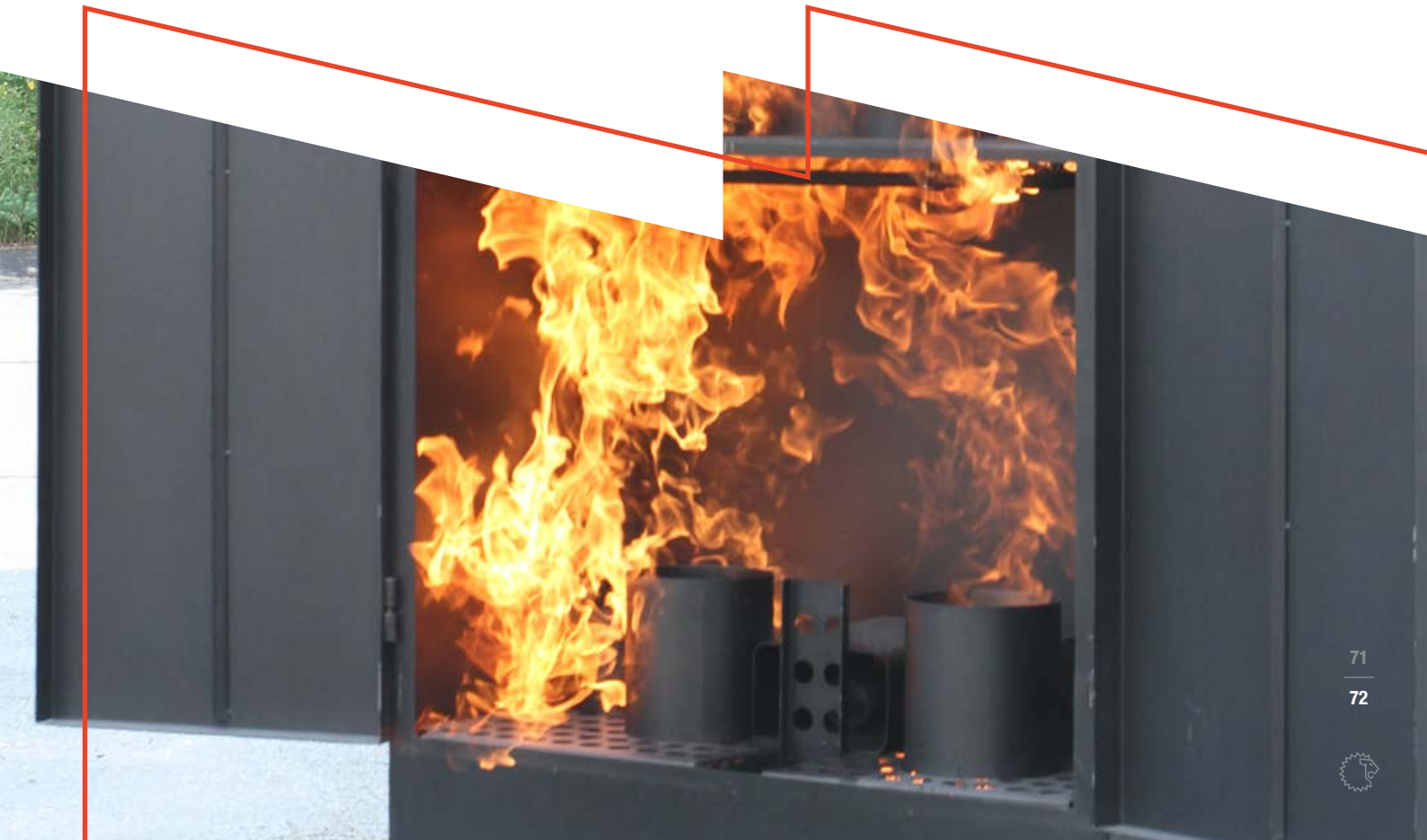
To be placed on top of the HLTS burn tray

LIFELIKE DIMENSIONS

Approx. (L x W x H) 1000 x 900 x 1800 mm

MULTIPLE BURN ZONES

Multiple, independent operation of burn zones



ELECTRICAL ENGINE

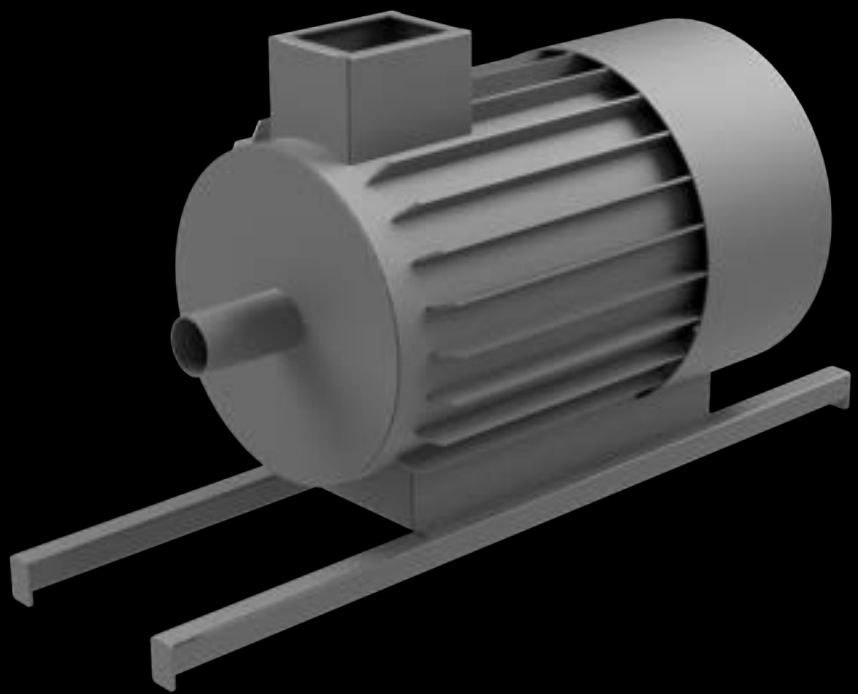
STEP BY STEP TRAINING TO MASTER ALL SCENARIOS

In an electrical engine, not only the fire is dangerous - also the high voltage. The first order of business is to switch off the power supply, cool the environment, and prevent it from collapsing. Step two is extinguishing the fire. Lock Out, Tag Out: the LOTO safety procedure for safely shutting off machines is also an important part of the intervention. By training with this prop , firefighters learn to establish and execute the right approach. The prop offers multiple burn zones to create a multitude of training scenarios: from a beginning electrical fire to fully engulfing flames that threaten the surrounding materials and equipment.

EXAMPLES OF TRAINING SCENARIOS

- Approaching a burning leakage with a proper protective water screen
- Lock Out, Tag Out: the LOTO machine safety procedure
- Working with a thermal imaging camera, Z reconnaissance, and measuring residual heat
- Cooling surroundings, materials and equipment
- Nozzle and hose line handling
- Team and command training - also for escalating fires with victims

AND MANY MORE



MOBILE AND REALISTIC

Mobile and realistic

WEIGHT

Approx. 40 kg

STAINLESS STEEL

3 and 5 mm stainless steel

PLACEMENT

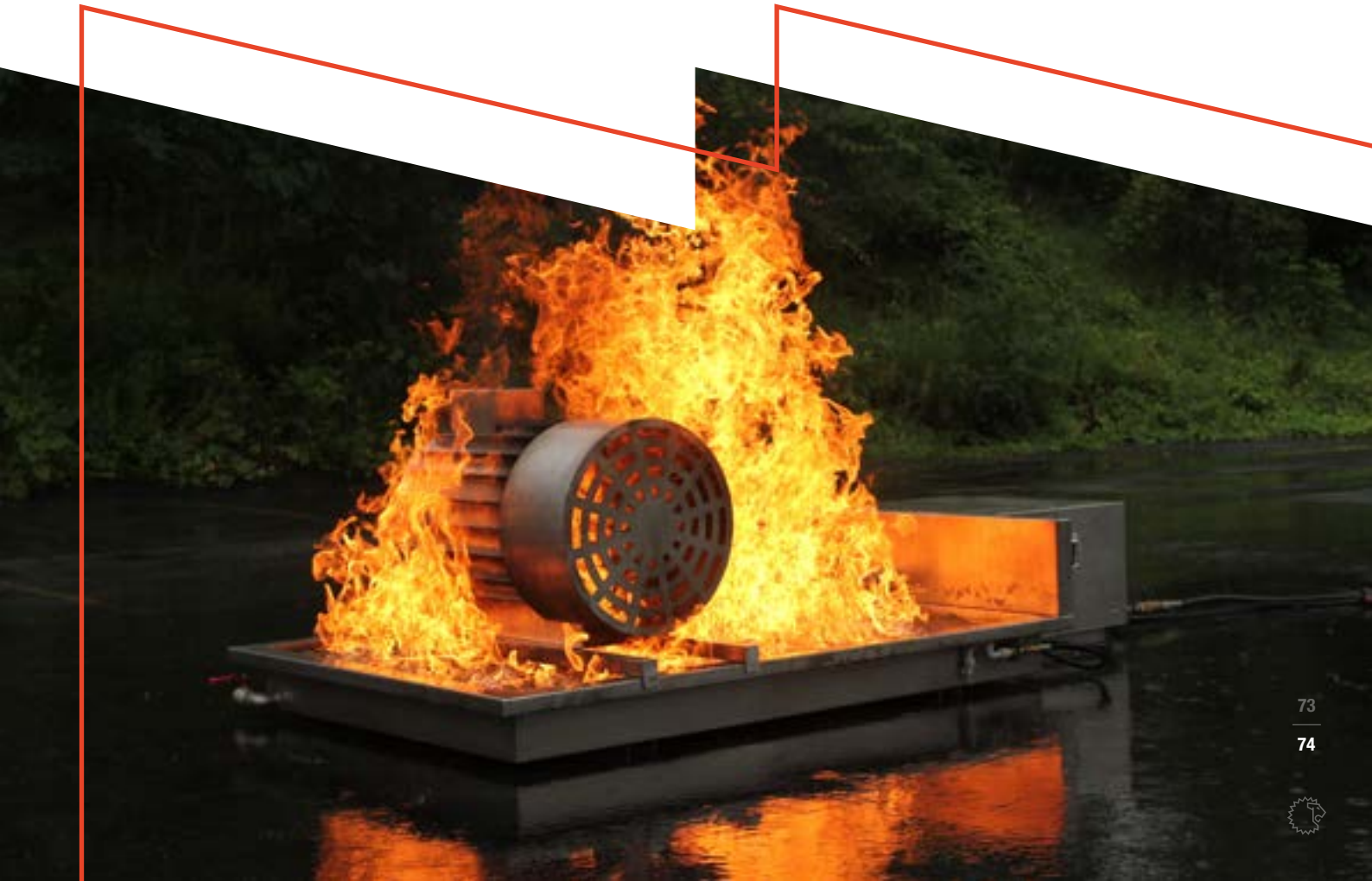
To be placed on top of the HLTS burn tray

LIFELIKE DIMENSIONS

Approx. (L x W x H) 800 x 400 x 500 mm

REALISTIC

Simulate a real engine




LION
103%
SMOKE GENERATOR

TRAINING PRODUCTS


LION

RESCUE MANIKINS

LIKE REAL PEOPLE AND WITH INTELLIGENT FEATURES FOR LIFELIKE TRAINING

Instead of colleagues playing the roles of the persons being rescued – which is uncomfortable and keeps them from participating in the training themselves– use the LION Rescue Manikins: the SmartDummies™ and the Fire Manikin. They keep on meeting the most demanding training goals, can interact with rescue-trainees, and they won't complain - even when exposed to potentially harmful conditions.

The manikins are anatomically correct. Their weight (up to 80 kg) and height (up to 180 cm) make them feel like real persons, making the rescue training all the more realistic, with real "victims".
The weighted padding is evenly distributed on an internal structure with moveable joints. Their "skin" is made of materials that can withstand abrasions and are easy to clean and maintain.

For lifelike interaction purposes, the head cavities of the SmartDummies™ can be equipped with the voice activated electronic voice recorder. This SmartDummy™ Adjustable Call Voice Box with AA batteries can record and playback sounds. The LION SmartDummies™ can "cough", respond to sounds, call out for help, and "act" frantic. Pre-recorded custom messages or sounds are possible for continuous or sound-activated playback.

SMOKE GENERATION

UP THE REALISM OF TRAINING SCENARIOS WITH A STEADY STREAM OF SMOKE

With the SG4000™ Smoke Generator (and LION Smoke Liquid), training scenarios become all the more realistic and intense and (re)create actual experiences without all the health risks. They provide a lifelike edge to search and rescue training, ventilation operations, breathing apparatus confidence training, and fire attack training.

In short, this smoke generator enhances a variety of training scenarios with a high volume of dry, realistic and continuous smoke. There are minimal burnt or un-vaporised particles and virtually no traces of toxins or harmful chemicals; extensive clean-up is not required.

The SG4000™ offers both manual and automatic programs and the smoke density and timer function can be adjusted.

To control and move the desired amount of smoke, the SG4000™ can be equipped with the optional Smoke Duct Set. This smoke conducting tube set gives 5 m leeway to change and adapt realistic training scenarios.

GASTRAINER™

TRAIN ALL KINDS OF EMERGENCY SCENARIOS WITHOUT THE ACTUAL DANGER – INDOORS OR OUT

The LION GasTrainer™ simulates chemical and explosive gas emission sources. Trainees will learn the behaviour of the most common gases that first responders and safety personnel encounter - oxygen, carbon monoxide, and hydrogen sulphide - and their lower explosive limit.

Alarm levels and intensity settings can be adjusted to provide different and realistic emergency training scenarios, including responding to Immediately Dangerous to Life and Health (IDLH) emergencies.

The LION GasTrainer™ system consists of GasSource emitter-simulators, hand held instructor unit and hand held student unit.


1075

LABELS

ENHANCE INCIDENT & HAZMAT FIRE TRAINING WITH REALISTIC SETTINGS

In real life, firefighters and industrial safety personnel can encounter numerous health, fire and reactivity hazards. To enhance the training for these situations, LION offers a complete labels package. The sturdy case contains Hazardous Materials NFPA Diamond Label Pack, UN-Numbers Identification Sign Pack, GHS Labels and Hazardous Materials Labels.

TRAINING

TRAINING

GET THE MOST OUT OF THE TRAINING EQUIPMENT

When organisations economically invest in LION training equipment for their firefighters, (other) first responders and safety personnel, they want to get the highest efficiency out of their equipment. LION helps with that, too.

We offer an extensive range of product trainings to optimise and certify the use of our advanced products by trainees and trainers. Any training other than those mentioned here can be provided on request.

LION OPERATORS CERTIFICATION

LEVEL 1

Instructors and maintenance personnel are trained in the optimal and correct use and maintenance of LION training solutions. Benefit: constant and safe performance at a high level without disruptions. Contains both theory and practical scenarios.

CAR FIRE TRAINING

COMPLETE

Firefighters learn how to handle car fires on (motor) ways and in residential areas by properly using the dedicated HLTS Large Prop. The training focuses on both new and older cars. Their distinctly different materials and technologies pose all kinds of danger, requiring specific approaches.

PRESSURE VESSEL TRAINING

LEVEL 1

Pressure vessels can be standalone or part of a process and contain a multitude of – unknown - liquids or gasses. By training with the specific HLTS Large Prop, firefighters learn to assess pressure behaviour, calculate the dangers, and develop the most effective approach of pressure vessels.

HELICOPTER FIRE TRAINING

LEVEL 1

As an increasingly used means of air transportation, a helicopter poses specific dangers in case of crash and fire. These need to be handled with care. Training with the HLTS large prop teaches a host of possible scenarios, tactics, and procedures - all based on teamwork.

HELICOPTER FIRE TRAINING

ADVANCED

Specifically designed for aviation, airport, and air force firefighters, this advanced training dives deeper into the multiple possibilities of the HLTS large prop, thereby preparing the trainees for the broadest spectrum of helicopter rescue and fire missions.

AIRCRAFT FIRE TRAINING

ADVANCED

By offering theoretical and practical aircraft firefighting and rescue techniques, this course prepares professionals for the proper handling of a crash and/or a fire. With the specific HLTS large prop, the training focuses on the most dangerous parts: fuel, wing, engine, and landing gear.

TRAIN THE TRAINER COURSE

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