



**LION**®



**> TRAINING PRODUCTS**

# OUR MISSION

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

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# LION PROTECTS

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At LION, we understand the importance of training and we are committed to properly preparing trainees for the real thing. We understand that realism during training exercises helps prepare trainees for when it really matters.

Since the development of our first industrial grade smoke generator, we have committed ourselves to utilizing smart technology and high quality, durable construction in product design and implementation. This passion has led us to develop the world's most advanced fire safety and emergency training products.

LION is a culture of innovation with a commitment to enhancing first responder readiness. We are the world's largest provider of fire and safety training tools and full-scale, multidisciplinary firefighter training complexes. We offer the most complete array of highly differentiated products and services to ensure that first responders are truly ready for action.

At LION, our primary driver is the passion our customers have for the critical roles they play in keeping citizens, workers, and firefighters safe through good training. We share this passion and have made it our mission to provide the best training tools possible to help our clients achieve their training goals.

*Team LION*



# DIGITAL FIRE TRAINING

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**BullsEye™** - Digital Fire Extinguisher Training System  
**ATTACK™** - Digital Fire Training System



# BULLSEYE™

## DIGITAL FIRE EXTINGUISHER TRAINING SYSTEM

Train countless individuals without the cost or mess of actual extinguishers using LION's patented Digital Fire Technology. Training opportunities are endless and can now take place anywhere: from inside your firehouse to businesses in your community.



**FIRE EXTINGUISHER DIGITAL**



**FIRE EXTINGUISHER WATER \***

*\* Feature only available with waterproof system upgrade.*



## DIGITAL FIRE TRAINING

“ Endless training opportunities with our interactive training props suite

### DESCRIPTION

The BullsEye™ system senses where the user aims and sweeps a laser-driven training extinguisher and automatically varies the digital flames in response. The BullsEye™ can also sense which type of extinguisher the trainee is using and how far they are from the base of the fire, and will only respond if they have chosen correctly. For example, if a trainee chooses a CO<sub>2</sub> extinguisher for a Class A fire, the extinguisher will knock down the flames, but will not extinguish the fire.

Create the ultimate training scenario by adding the SG1000™. This Smoke Generator synchronises with the BullsEye™ and adjusts the amount of smoke to the actions of your trainees.

Instructors can control the BullsEye™ by either an infrared wireless remote or the optional iPad. The integrated training record collection system makes it easy to monitor user's improvement and proficiency. Training records can easily be exported via USB for printing certificates and sharing training data.

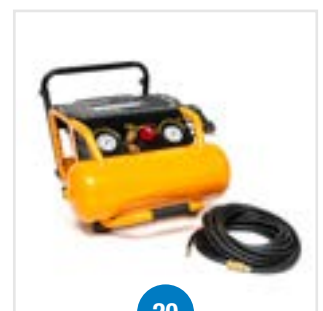
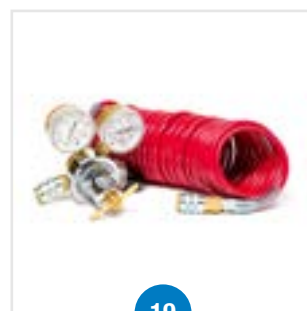
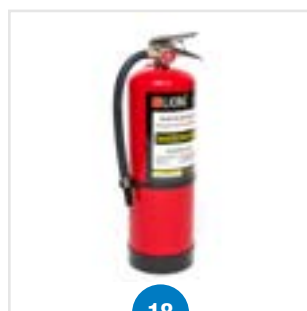
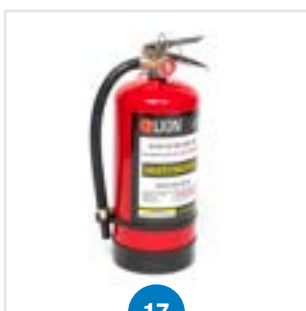
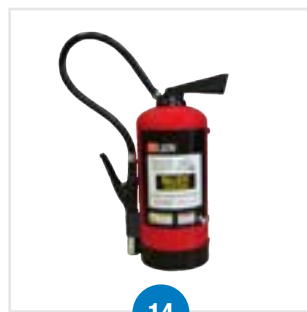
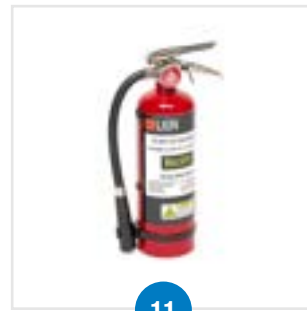
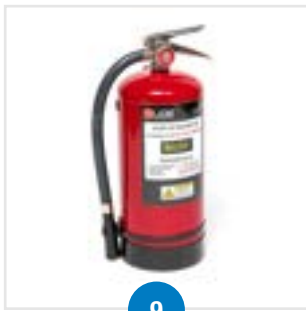
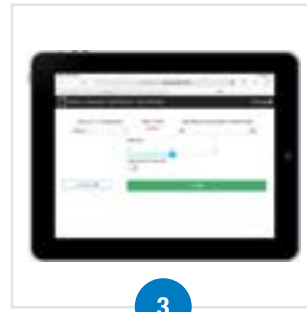
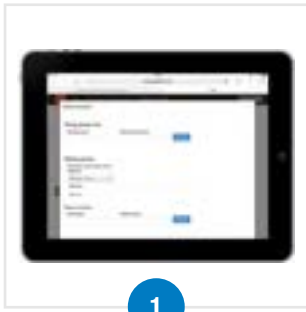
### SPECS

<b>DIMENSIONS, WEIGHT</b> 66 x 73 x 12 cm, 15 kg	<b>LANGUAGE SETTINGS</b> EN, FR, NL, DE, ES	<b>POWER SUPPLY PANEL</b> Desktop Power Supply	<b>CONTROL SYSTEM</b> Remote Control, Tablet
<b>EXTINGUISHER SYSTEM</b> SmartExtinguisher® Laser extinguisher	<b>SETTINGS OF SCENARIOS</b> Difficulty levels, Smoke levels, Volume, Extinguishing method	<b>FIRE SIMULATION</b> Common combustibles, Flammable liquids, Flammable gases, Electrical fire	<b>SUPPLY TYPE</b> SmartExtinguisher®: Water Laser extinguisher: Battery



### WHY?

- > **Realistic** - Automatic extinguisher type detection, with realistic flame reaction
- > **Clean** - Clean extinguisher training anytime, anywhere
- > **Smart** - Built-in scenarios and free scenario programming
- > **Efficient** - Real-time feedback and user performance log



NAME	SPECIFICATIONS
<b>1. TRAINING RECORD MANAGEMENT SOFTWARE</b> Software for managing training sessions and personal data.	Only available for iOS
<b>2. SCENARIO CUSTOMIZATION SOFTWARE</b> Software for creating your own scenarios, including adjusting the maximum duration, the effectiveness of the extinguisher and the dynamic difficulty setting.	Only available for iOS
<b>3. WEB INTERFACE SOFTWARE</b> Software for starting/stopping scenarios like adjusting volume, smoke density, etc.	Only available for iOS
<b>4. SOFTWARE COMPLETE PACKAGE WITH IPAD MINI 4</b> With the tablet control, instructors can specify various options. Scenario customization allows instructors to create scenarios and save them for future use.	Size inc. case (LxWxH): 22.5 x 15.5 x 2.5 cm
<b>5. TRANSPORT CASE FOR DIGITAL FIRE TRAINING PANEL - HEAVY DUTY</b> This black industrial grade high impact plastic case can be used to conveniently transport the BullsEye™ training system. Including locking latches.	Size (LxWxH): 92 x 80 x 26 cm Weight: 16 kg
<b>6. TRANSPORT CASE FOR DIGITAL FIRE TRAINING PANEL - REGULAR</b> Case to safely store and transport the ATTACK™ / BullsEye™ Panel Base. Including inlays.	Size (LxWxH): 80 x 75 x 26 cm Weight: 13 kg
<b>7. EXTINGUISHER TRANSPORT CASE</b> This case can be used to conveniently transport two BullsEye™ Extinguishers. Including locking latches.	Size (LxWxH): 68 x 52 x 27 cm Weight: 10 kg
<b>8. BULLSEYE™ 5 KG/10 LB FIXED CONE CO2 DIGITAL LASER EXTINGUISHER (RF)</b> This laser-driven extinguisher 5 kg/10 lb Fixed Cone CO2 Digital Laser Extinguisher (RF) is to be used on digital Class B fires.	Size (LxØ): 50 x 28 cm Weight: 4 kg
<b>9. BULLSEYE™ 9 KG/20 LB DRY CHEMICAL DIGITAL LASER EXTINGUISHER (NRF)</b> This laser-driven extinguisher 9 kg/20 lb Dry Chemical Digital Laser Extinguisher (NRF) is to be used on digital Class A & B fires.	Size (LxØ): 62 x 29 cm Weight: 9 kg
<b>10. BULLSEYE™ 2 KG/5 LB CO2 DIGITAL LASER EXTINGUISHER (RF)</b> This laser-driven extinguisher 2 kg/5 lb CO2 Digital Laser Extinguisher (RF) is to be used on digital Class B fires.	Size (LxØ): 38 x 21 cm Weight: 2.5 kg
<b>11. BULLSEYE™ 2 KG/5 LB DRY CHEMICAL DIGITAL LASER EXTINGUISHER (RF)</b> This laser-driven extinguisher 2 kg/5 lb Dry Chemical Digital Laser Extinguisher (RF) is to be used on digital Class A & B fires.	Size (LxØ): 38 x 23 cm Weight: 4 kg
<b>12. BULLSEYE™ 6 KG/10 LB DRY CHEMICAL DIGITAL LASER EXTINGUISHER (RF)</b> This laser-driven extinguisher 6 kg/10 lb Dry Chemical Digital Laser Extinguisher (RF) is to be used on digital Class A & B fires.	Size (LxØ): 48 x 25 cm Weight: 8 kg
<b>13. BULLSEYE™ 6 KG/10 LB EUROPEAN POWDER STRAIGHT NOZZLE (RF)</b> This laser-driven extinguisher 6 kg/10 lb European Powder Straight Nozzle (RF) is to be used on digital Class A, B & C fires.	Size (LxØ): 47 x 35 cm Weight: 8.2 kg
<b>14. BULLSEYE™ 6 KG/10 LB EUROPEAN WATER STRAIGHT NOZZLE (RF)</b> This laser-driven extinguisher 6 kg/10 lb European Water Straight Nozzle (RF) is to be used on digital Class A & B fires.	Size (LxØ): 47 x 35 cm Weight: 8.2 kg
<b>15. BULLSEYE™ 5 KG/10 LB SWING ARM CO2 DIGITAL LASER EXTINGUISHER (RF)</b> This laser-driven extinguisher 5 kg/10 lb Swing Arm CO2 Digital Laser Extinguisher (RF) is to be used on digital Class B fires.	Size (LxØ): 48 x 30 cm Weight: 8.5 kg
<b>16. BULLSEYE™ 9 KG/20 LB CO2 DIGITAL LASER EXTINGUISHER (RD)</b> This laser-driven extinguisher 9 kg/20 lb CO2 Digital Laser Extinguisher (RD) is to be used on digital Class B fires.	Size (LxØ): 62 x 50 cm Weight: 9 kg
<b>17. SMARTEXTINGUISHER® TYPE 5X</b> Special modified water extinguisher. Only to be used on the waterproof BullsEye™.	Size (LxØ): 48 x 28 cm Weight: 3 kg
<b>18. SMARTEXTINGUISHER® TYPE 7X</b> Special modified water extinguisher. Only to be used on the waterproof BullsEye™.	Size (LxØ): 62 x 29 cm Weight: 3.5 kg
<b>19. AIR REGULATOR FOR SCBA BOTTLE</b> Air regulator for filling SmartExtinguishers® with water.	Weight: 2.5 kg
<b>20. COMPRESSOR FOR THE SMARTEXTINGUISHERS®</b> Compressor to pressurize the SmartExtinguishers® 5x and 7x with water.	Size (LxWxH): 59 x 54 x 38 cm Weight: 22.5 kg



# ATTACK™

## DIGITAL FIRE TRAINING SYSTEM

The ATTACK™ Digital Fire Training System combines digital flames, sound and smoke to create a range of fire conditions that allow you to train with a source of fire in acquired structures, training buildings or any other location where live fire isn't possible or practical.



**DIGITAL NOZZLE**



**WATER NOZZLE**



**FIRE EXTINGUISHER DIGITAL**



**FIRE EXTINGUISHER WATER**



# “ Designed by fire professionals, for fire professionals

## DESCRIPTION

Train new firefighters on fundamentals before introducing them to live fire and change up training scenarios to challenge veteran firefighters.

The ATTACK™ panel is tough enough to handle any hose line in your training arsenal. The ATTACK™ system is designed to work with the SG4000™ Smoke Generator, capable of producing over 630 cubic metres of smoke per minute. The watertight panel's integrated thermal sensors detect water application and the fire and smoke respond automatically. Our Steam Conversion Technology™ recreates the low visibility conditions present when water is first applied to an actual fire. Add extra ATTACK™ panels that connect wirelessly to create fire extension scenarios, like flashovers.

## SPECS

### DIMENSIONS, WEIGHT

70 x 55 x 15 cm, 16 kg

### EXTINGUISHER SYSTEM

SmartExtinguisher®  
Water Hose line  
Laser extinguisher  
Digital Hose line

### LANGUAGE SETTINGS

EN, FR, NL, DE, ES

### SETTINGS OF SCENARIOS

Difficulty levels, Smoke levels, Volume, Extinguishing method

### CONTROL SYSTEM

Remote Control, Wi-Fi industrial remote

### FIRE SIMULATION

Common combustibles, Flammable liquids, Flammable gases, Electrical fire

### POWER SUPPLY PANEL

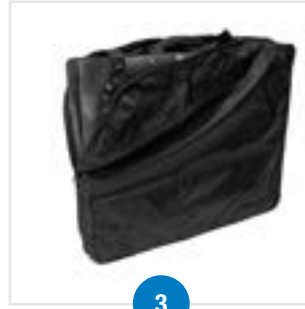
Desktop Power Supply

### SUPPLY TYPE

Water: SmartExtinguisher®, Water Hose line  
Battery: Laser extinguisher, Digital Hose line

## WHY?

- > **Portable** - Easy to set up and brake down in any location
- > **Scalable** - Communicates with other panels for a larger fire seat
- > **Safe** - Eliminates unnecessary exposure to health and environment risks
- > **Realistic** - Behaves like a natural fire would (cracking sounds, steam effects, smoke, moldering feature, etc.)



NAME	SPECIFICATIONS
<b>1. ATTACK™ INDUSTRIAL REMOTE V2</b> <i>This rugged waterproof handheld remote allows the trainer to have full control over the ATTACK™ evolution. Communicates via Wi-Fi.</i>	Size (LxWxH): 26 x 11 x 4 cm Weight: 0.5 kg
<b>2. ATTACK™ WEIGHTED BASE WITH REFILLABLE WATER TANK</b> <i>Foldable and refillable water tank to ensure your ATTACK™ panel stays upright.</i>	Size unfolded (LxWxH): 70 x 55 x 60 cm Size folded (LxWxH): 70 x 55 x 10 cm Weight: 16 kg
<b>3. ATTACK™ WEIGHTED BASE TRANSPORT BAG</b> <i>Case for foldable and refillable water tank.</i>	Size (LxWxH): 75 x 60 x 11 cm Weight: 0.8 kg
<b>4. ATTACK™ QUICK RELEASE WALL MOUNT</b> <i>Wall mounts to fasten the ATTACK™ panel to the wall when using panel without the water weighted base.</i>	Size (LxW): 71 x 56 cm Weight: 2.5 kg
<b>5. TRANSPORT CASE FOR DIGITAL FIRE TRAINING PANEL - HEAVY DUTY</b> <i>This black industrial grade high impact plastic case can be used to conveniently transport the ATTACK™ training system. Locking latches provide safe and secure storage of the ATTACK™ when not in use.</i>	Size (LxWxH): 92 x 80 x 26 cm Weight: 16 kg
<b>6. TRANSPORT CASE FOR DIGITAL FIRE TRAINING PANEL - REGULAR</b> <i>Case to safely store and transport the ATTACK™ / BullsEye™ Panel Base. Including inlays.</i>	Size (LxWxH): 80 x 75 x 26 cm Weight: 13 kg
<b>7. ATTACK™ SMOKE BOX</b> <i>When using the SG4000™ in combination with the ATTACK™, this sturdy watertight case with built-in connector protects the SG4000™ from water damage. Can be used to safely store and transport the SG4000™.</i>	Size (LxWxH): 82 x 53 x 41 cm Weight: 25 kg
<b>8. ATTACK™ DIGITAL NOZZLE V2</b> <i>The laser-driven Digital Nozzle interacts with the ATTACK™'s self generating digital flames.</i>	Size (LxW): 30 x 27 cm
<b>9. TRANSPORT CASE FOR ATTACK™ DIGITAL NOZZLE</b> <i>Case for storing and transporting the ATTACK™ Digital Nozzle.</i>	Size (LxWxH): 52 x 21 x 40 cm Weight: 5 kg
<b>10. WEIGHTED HOSE LINE FOR ATTACK™ DIGITAL NOZZLE V2</b> <i>Hose to be used with the ATTACK™ Digital Nozzle. Requires pressurized air for system set-up.</i>	Length: 15.5 m Weight: 23 kg
<b>11. REMOTE CONTROL</b> <i>Infrared remote control to control the ATTACK™ panel.</i>	







# **SMOKE GENERATION**

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**Smoke Generators**

**SG4000™** - Smoke Generator

**SG1000™** - Smoke Generator

**LION Smoke Liquid**

# SMOKE GENERATORS

LION Smoke Generators use smart controls to continuously produce the best smoke possible for fire and emergency services training. Built on a steel chassis with all metal structural components, these Smoke Generators are built to handle the toughest training demands.

Advanced sensors and controls enable LION Smoke Generators to produce a continuous supply of smoke without recharging or reheating.

Whether you are doing search and rescue, ventilation or initial fire attack exercises, LION Smoke Generators don't stop until your training is done.

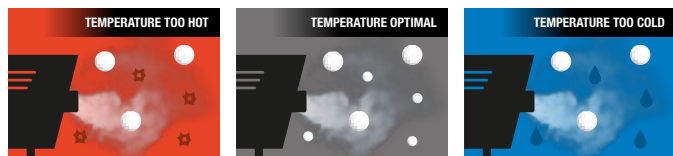


## TRAINING OPPORTUNITIES

- > **Ventilation Training:** the high volume of continuous smoke is ideal for horizontal or vertical ventilation exercises and helps show the effects of Positive Pressure Ventilation.
- > **Mask Confidence Training:** create a zero visibility environment in seconds for mask confidence training.
- > **Large Area Search Training:** quickly fill buildings with dense smoke for large area search exercises.
- > **Search & Rescue Training:** challenge firefighters to find victims in low visibility during search and rescue or thermal imaging exercises.

# TRADITIONAL SMOKE MACHINES

All smoke machines create smoke by pumping smoke liquid through heaters. As heat energy is transferred from the heaters to the smoke liquid, the heaters inevitably cool down. Once below a certain temperature smoke can no longer be generated, which is why smoke machines that are not designed for fire training need time to reheat and recharge between discharges. To extend operating time, these smoke machines often start at a higher than optimal temperature, resulting in burnt particles. As smoke is generated, the heater temperature falls through the optimal range to below optimal resulting in “wet” smoke that leaves a residue. The smoke liquid is then cut off to give the heaters time to recover.



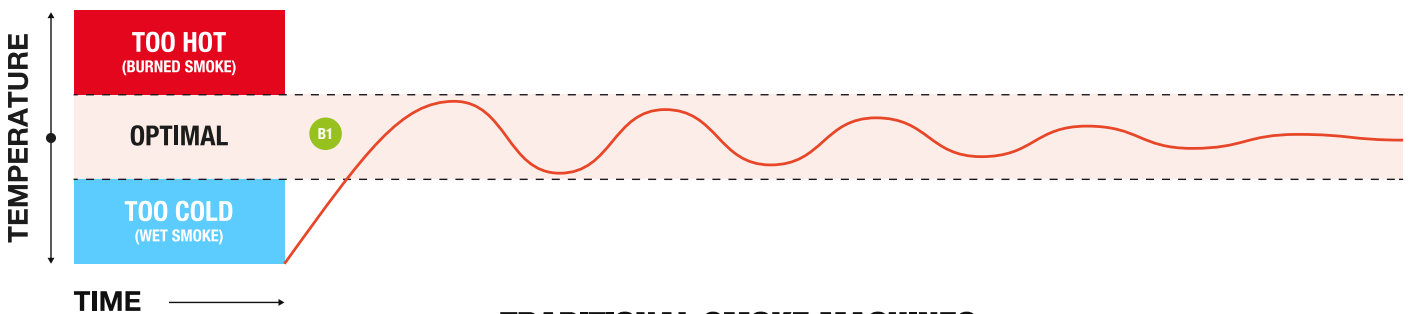
**LION SMOKE GENERATORS** generate a high quality, dense, uniform, “dry” smoke through the use of advanced controls and a specific smoke liquid formula. Heaters and liquid pumps are controlled by on-board electronics to precisely bring the smoke liquid to the right temperature, ensuring a continuous supply of high quality smoke.



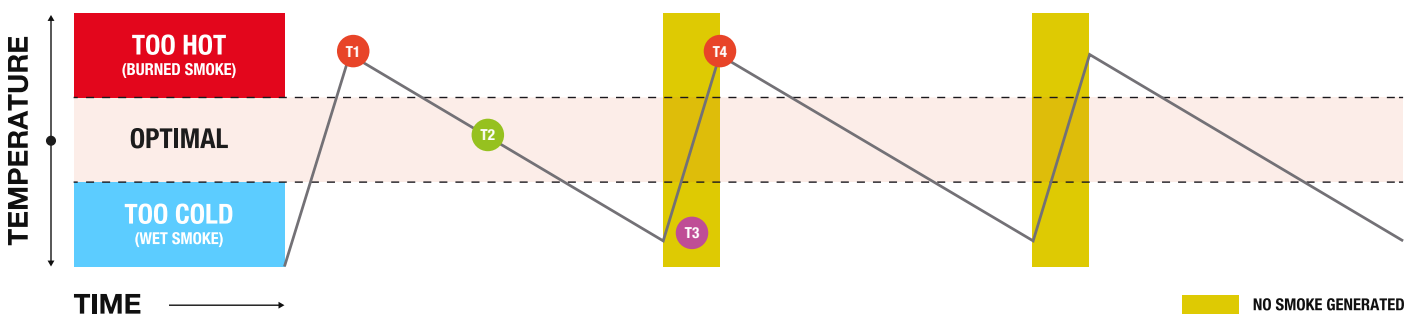
# LION SMOKE GENERATORS

LION Smoke Generators are different. Instead of a constant flow of smoke liquid and a wide range of heater temperatures, LION Smoke Generators control the amount of liquid delivered to the heaters to precisely balance the heat transfer, ensuring a constant temperature and a constant supply of high quality smoke. This balance is achieved through advanced sensors and controls utilised by LION Smoke Generators. This technology not only provides a continuous supply of smoke, but also ensures the highest quality smoke possible with minimal burnt or un-vaporised particles.

## LION SMOKE GENERATORS



## TRADITIONAL SMOKE MACHINES



- B1** **THE LION SMOKE GENERATOR** reaches operating temperature. The smoke liquid flow is balanced with heater temperature to achieve continuous smoke generation in the optimal temperature range.
- T1** **THE TRADITIONAL SMOKE MACHINE** begins making smoke when the heater temperature reaches the maximum setting.
- T2** The smoke liquid is pumped at a constant rate, gradually reducing the heater temperature.

- T3** The traditional smoke machine temperature is too low to produce smoke. Liquid flow is stopped until the heaters reach the maximum temperature setting.
- T4** Maximum heater temperature setting is reached. Liquid flow and smoke production resumes.



# SG4000™

## SMOKE GENERATOR

The SG4000™ is a heavy-duty, portable smoke generator developed to create high-quality smoke for fire and emergency service training scenarios.



## SMOKE GENERATION

### DESCRIPTION

The SG4000™ Smoke Generator can quickly fill a room with smoke with the push of a button. Dual heating elements ensure a fast warm-up time so you can spend more time training and less setting up.

The special boost function doubles smoke output for a short time when needed. This can be especially useful at the start of a training to quickly fill a room or can be used to simulate steam and reduced visibility.

The SG4000™ features a back-lit LCD screen to display system performance information and function menus. The high intensity backlight allows users to easily find and program the machine in heavy smoke conditions. The LCD display also indicates smoke liquid level and smoke output throughout the training session.

The SG4000™ Smoke Generator can also be delivered in a watertight case, for use in wet training environments.

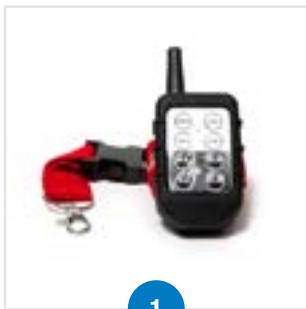
### SPECS

<b>DIMENSIONS, WEIGHT</b> 52.5 x 33 x 26 cm, 18 kg	<b>LANGUAGE SETTINGS</b> EN, FR, NL, DE, ES	<b>SMOKE LIQUID TYPE</b> LION Smoke Liquid	<b>WARM UP TIME</b> 5.5 min
<b>CONTROL SYSTEM</b> On the Smoke Generator, Wired and/or wireless remote, DMX	<b>SMOKE PRODUCTION</b> 630 m³/min (Boost), 450 m³/min (Continuous)	<b>SETTINGS</b> Adjustable smoke density, Automatic programs, Manual programs	<b>MAX. CONSUMPTION OF SMOKE LIQUID</b> 65 ml/min (in Boost Mode)

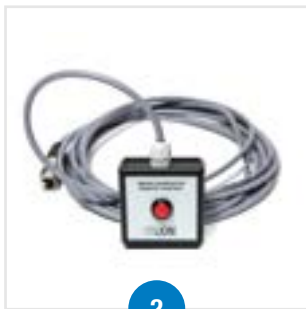


### WHY?

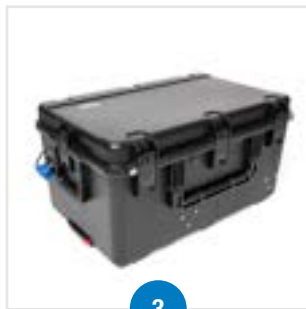
- > **Versatile** - The timer function allows you to pre-program your scenarios
- > **Realistic** - Creates dense training smoke with increased “hang time” for realistic scenarios
- > **Rugged** - LION Smoke Generators provide the same high quality smoke output from start to finish



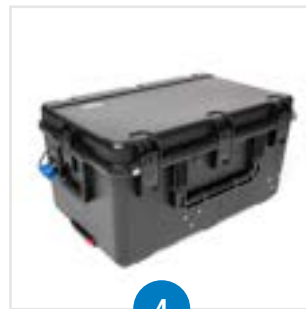
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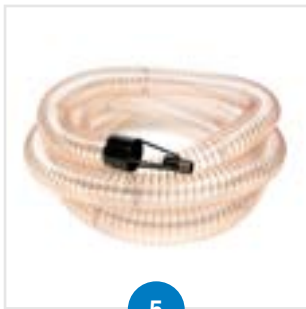
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4



5



∨ SPECIFICATIONS

NAME	SPECIFICATIONS
<p><b>1. SG4000™ - WIRELESS REMOTE</b>                      This Wireless Remote can operate two SG4000™ Smoke Generators separately or at the same time.</p>	<p>Size (LxWxH): 12 x 8 x 4 cm                      Weight: 0.1 kg</p>
<p><b>2. SG4000™ - WIRED REMOTE</b>                      Wired Remote to control the SG4000™ Smoke Generator.</p>	<p>Wire length: 7 m</p>
<p><b>3. SG4000™ SMOKE GENERATOR WATERPROOF CASE</b>                      Sturdy and waterproof case to safely store and transport the SG4000™ Smoke Generator.</p>	<p>Size (LxWxH): 82 x 53 x 41 cm                      Weight: 15.5 kg</p>
<p><b>4. SG4000™ SMOKE GENERATOR WATERPROOF CASE, V2 (WI-FI ENABLED)</b>                      Sturdy and waterproof case with a built-in connector to control the SG4000™ from a distance in combination with the ATTACK™, while using water. This case can safely store and transport the SG4000™ Smoke Generator.</p>	<p>Size (LxWxH): 82 x 53 x 41 cm                      Weight: 25 kg (incl. SG4000™)</p>
<p><b>5. FLEXIBLE SMOKE DUCT SET FOR SMOKE GENERATORS</b>                      This Flexible Smoke Duct Set is suitable for the SG4000™ and the SG1000™.</p>	<p>Size Ø: 63 mm                      Length: 5 m</p>
<p><b>6. SMOKE LIQUID</b>                      1, 5, 20, 200 or 1000 litre, see page 26.</p>	



**“ No building too large  
for the SG4000™**



# SG1000™

## SMOKE GENERATOR

---

The SG1000™ Smoke Generator allows firefighters to conduct low visibility training drills anywhere – no electricity required. The SG1000™ is battery operated, making it perfect for training in locations where it is inconvenient or even impossible to use power.





## SMOKE GENERATION

“ The most reliable cordless smoke generator out there

## DESCRIPTION

The SG1000™ is a light-weight but nonetheless heavy-duty portable smoke generator that can be run continuously for 30 minutes on battery power and much longer when using smoke intermittently, producing the same high quality smoke during the first and last minutes of training.

Challenge your trainees by adding smoke to unexpected locations.

The SG1000™ wirelessly communicates with other training tools like the BullsEye™ system and the ATTACK™ system. When connected to a digital fire point, the SG1000™ releases smoke proportional to the size of the digital fire and reacts to the trainee's efforts to extinguish the fire.

This smoke generator can also be acquired as a corded product (plug-in).

## SPECS

### DIMENSIONS, WEIGHT

33 x 13 x 24 cm, 7 kg

### SMOKE PRODUCTION

150 m<sup>3</sup>/min

### SMOKE LIQUID TYPE

LION Smoke Liquid

### WARM UP TIME

3 sec

### CONTROL SYSTEM

On the Smoke Generator,  
Wired and/or wireless remote,  
Wi-Fi, DMX

### BATTERY RUN TIME AT MAX. OUTPUT

30 min

### POWER SUPPLY

Battery,  
Wall Power Main Base

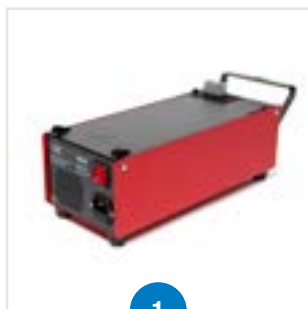
### MAX. CONSUMPTION OF SMOKE LIQUID

12 ml/min

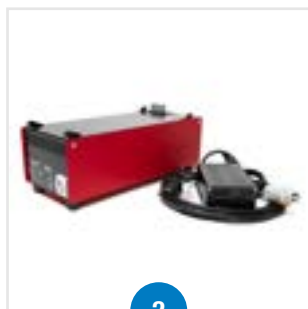


## WHY?

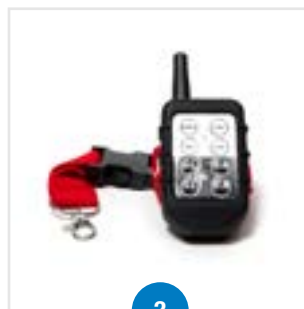
- > **Fast** - Minimal heat-up time (2-3 seconds)
- > **Strong** - Long lasting battery capacity (30 minutes at max. output)
- > **Easy** - Push button, single gloved-hand operation



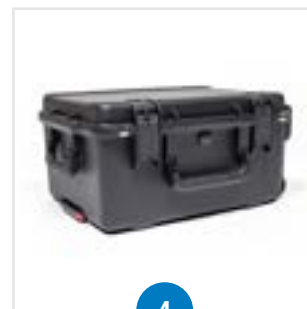
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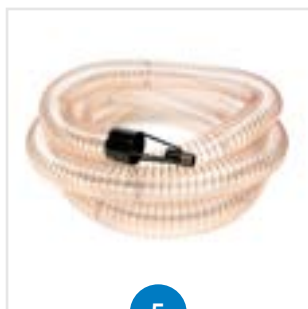
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**SEE PAGE 26**  
**FOR OUR**  
**SMOKE LIQUIDS**

∨ SPECIFICATIONS

NAME	SPECIFICATIONS
<p><b>1. WALL POWER BASE FOR SG1000™ SMOKE GENERATOR</b> This unit can be used for continuous operation at 230V. The mains lead is 2.5 m long.</p>	<p>Size (LxWxH): 32 x 13 x 13 cm Weight: 3.5 kg</p>
<p><b>2. NIMH BATTERY BASE FOR SG1000™ SMOKE GENERATOR</b> Easily removable high power NiMH battery.</p>	<p>Size (LxWxH): 32 x 13 x 11 cm Weight: 5.5 kg</p>
<p><b>3. SG1000™ - WIRELESS REMOTE</b> Wireless Remote for the SG1000™. Including key cord. When simultaneously purchasing the SG1000™ and the SG1000™ - Wireless Remote, the wireless connection module will be built into the SG1000™ before shipment. When the Wireless Remote is purchased at a later stage, the SG1000™ must be sent back to LION for the wireless connection module to be installed.</p>	<p>Size (LxWxH): 12 x 8 x 4 cm Weight: 0.1 kg</p>
<p><b>4. TRANSPORT CASE FOR SG1000™ SMOKE GENERATOR</b> Sturdy case to safely store and transport the SG1000™ Smoke Generator.</p>	<p>Size (LxWxH): 60 x 45 x 30 cm Weight: 7.25 kg</p>
<p><b>5. FLEXIBLE SMOKE DUCT SET FOR SMOKE GENERATORS</b> This Flexible Smoke Duct Set is suitable for the SG1000™ and the SG4000™.</p>	<p>Size Ø: 63 mm Length: 5 m</p>
<p><b>6. SMOKE LIQUID</b> 1, 5, 20, 200 or 1000 litre, see page 26.</p>	

**“ The SG1000™ is a  
light-weight tool for  
heavy-duty jobs**



# LION SMOKE LIQUID

Using LION's Smoke Liquid, our Smoke Generators continuously produce the best smoke possible for fire and emergency services training. You can count on our Smoke Generators to last through your toughest training demands, all without exposing your trainees to dangerous chemicals.

## KEEP THEM **SAFE** WHEN TRAINING

Our mission is to keep firefighters and instructors safe and healthy during training. To do this, we specially designed our smoke liquid so that it produces virtually no traces of toxins or harmful chemicals. You and your trainees can get the most out of your training without all the health risks.

The United States National Institute of Occupational Safety and Health (NIOSH) conducted a study on the risks of breathing in formaldehyde and diethylene glycol while using oil-based and glycol-based smoke liquid in firefighter training. The report concluded that in both types of smoke, there were times where firefighters were being exposed to these chemicals at rates higher than the exposure limits. Inhaling high amounts of formaldehyde and diethylene glycol has been linked to skin irritation, serious lung damage, and cancer.



# THE SMOKE DOESN'T STOP UNTIL YOUR TRAINING IS DONE

Our generators and smoke liquid work together to produce smoke that does not leave a residue or gunk up the generator, so you can train all day without worrying about extensive clean up.

The dual core heater means our generators can create endless amounts of smoke so thick and dense you'll swear there's a real fire in the building. Continuous smoke production means your training area gets smoked out, and stays smoked out, until you're worn out.

## HOW OUR SMOKE COMPARES

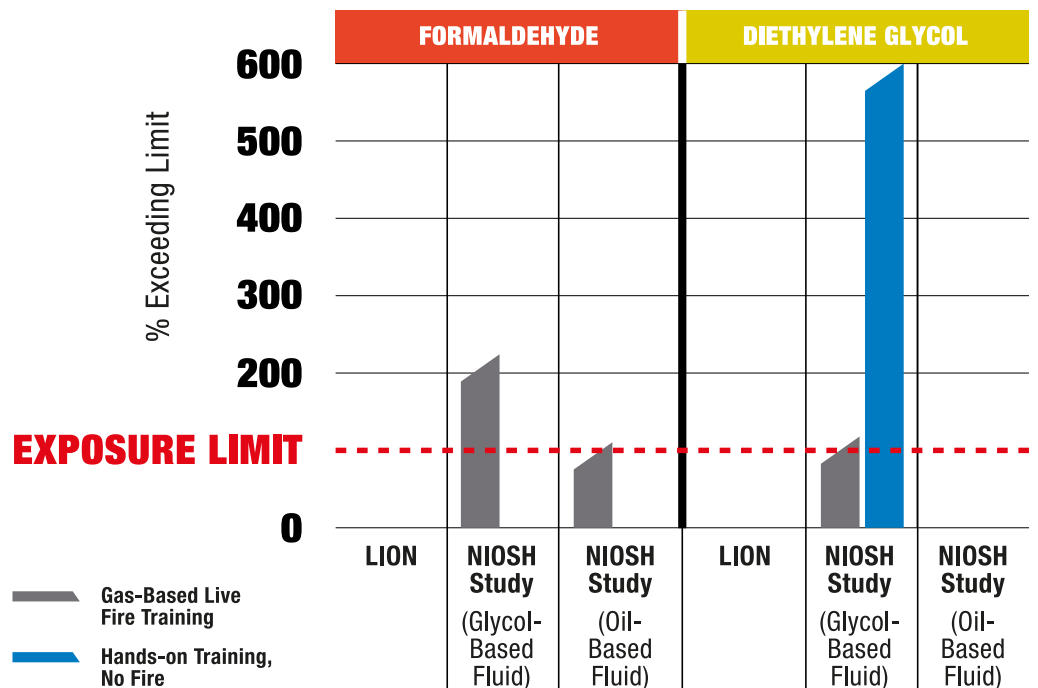
Although NIOSH did not use any of our Smoke Generators in their testing, we always want to make sure we are on the cutting edge of safety. So, we commissioned an independent third party to test our smoke to see how it compared.



As you can see in the graphic, our Smoke Generators were far below the exposure limits in all tests, and undetectable in many conditions\*. Rest assured that your firefighters can train using our generators and smoke liquid all day, without worrying about any devastating health effects.



### Smoke Liquid Exposure Limits Comparison



\* Validated through independent study conducted by Industrial Hygienist.  
 ! LION recommends using respiratory protection when using Smoke Generators for firefighter training and in heavy smoke conditions.



# SMOKE GENERATION

ACCESSORIES 



1



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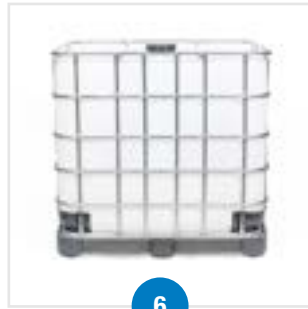
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SPECIFICATIONS 

NAME	SPECIFICATIONS
<b>1. SMOKE LIQUID BOTTLE 1 LITRE</b>	Size (LxWxH): 10 x 7 x 20 cm Weight: 1.15 kg
<b>2. SMOKE LIQUID CAN 5 LITRE</b>	Size (LxWxH): 19 x 14 x 24 cm Weight: 5.5 kg
<b>3. SMOKE LIQUID CAN 20 LITRE</b>	Size (LxWxH): 30 x 25 x 40 cm Weight: 22 kg
<b>4. EASY REFILL TAP</b>	Size (LxWxH): 9 x 8 x 11 cm Weight: 0.05 kg
<b>5. SMOKE LIQUID 1 BARREL OF 200 LITRE</b>	Size (LxØ) : 94 x 58 cm Weight: 225 kg
<b>6. SMOKE LIQUID 1 BARREL OF 1000 LITRE</b>	Size (LxWxH): 120 x 100 x 115 cm Weight: 1150 kg
<b>7. FLASH SMOKE LIQUID BOTTLE 1 LITRE</b> <i>Special Flash Smoke Liquid for the Desktop Flashover and the PPV Trainer.</i>	Size (LxWxH): 10 x 7 x 20 cm Weight: 1.15 kg





# LIVE FIRE TRAINING

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**Fire Trainer** - Multifunctional Fire Trainer

**I.T.S.<sup>™</sup>** - Intelligent Training System

**M-FIRE** - Extinguisher Fire Trainer

**MAGNUM** - Hose Line & Fire Extinguisher Trainer

**Extinguisher Filling Station**



# FIRE TRAINER

## MULTIFUNCTIONAL FIRE TRAINER

The Fire Trainer is a compact fire tray with an impressive output. Use it as a standalone or add the optional grid to place different props and vary training scenarios.



## LIVE FIRE TRAINING

# “ Intense fire training in a compact format

## DESCRIPTION

The LION Fire Trainer System has been developed to practise and train with the use of mobile fire extinguishers and water hoses to extinguish a simulated liquid fire.

The Fire Trainer is portable, easy to set up and to use: after connection, press the button and start training. The remote control enables you to control your trainee's progress by changing up the training scenario.

The Fire Trainer uses propane gas and is ignited by means of an electric spark ignition. The Fire Trainer can be extinguished with most common extinguishing agents.

*Disclaimer: using powder as an extinguisher agent is possible, but will reduce the life span of the product.*

## SPECS

<b>DIMENSIONS, WEIGHT</b> 116 x 80 x 20 cm, 22.5 kg	<b>GAS TYPE</b> Propane	<b>FIRE TRAY TYPE</b> Water bath	<b>MAX. CONSUMPTION OF GAS</b> Approx. 12 kg/h
<b>GAS CONNECTION</b> Gas hose with quick connectors	<b>EXTINGUISHER SYSTEM</b> All common extinguishing agents	<b>FIRE SIMULATION</b> Flammable liquids	<b>CONTROL SYSTEM</b> Wired remote control



## WHY?

- > **Intense** - High flame and heat output in a compact format
- > **Repeatable** - High repetition and training duration rate, due to the water bath cooling system
- > **Practical** - Easy set up and clean up
- > **Versatile** - Various training scenarios possible



# I.T.S.<sup>TM</sup>

## INTELLIGENT TRAINING SYSTEM

---

Make live fire extinguisher training possible with a safe, clean and effective system.



## LIVE FIRE TRAINING

### DESCRIPTION

The LION Intelligent Training System is portable and easy to set up. The I.T.S.™ senses where the trainee aims and sweeps the SmartExtinguisher® and varies the flames automatically, putting the fire out only when the extinguisher is used correctly.

You can challenge your trainees by selecting between three different fire Classes (A, B & C) and four different difficulty levels.

Field rechargeable air/water SmartExtinguishers® eliminate the mess associated with traditional dry chemical extinguishers and diesel burn pans. No messy dry chemical extinguishers or dangerous diesel fumes also means no environmental effects or exposure risks for your trainees.

The SmartExtinguishers® are recharged quickly and easily with only compressed air and water.

Opt for the XTREME™ package for an engaging training experience with various props.

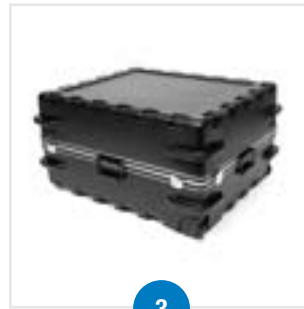
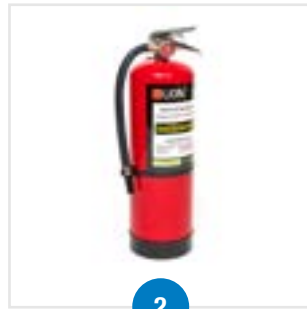
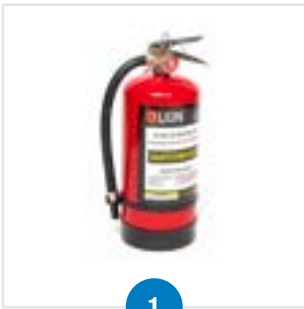
### SPECS

<b>DIMENSIONS, WEIGHT</b> 75 x 50 x 30 cm, 15 kg	<b>GAS TYPE</b> Propane	<b>FIRE TRAY TYPE</b> Water bath	<b>CONTROL SYSTEM</b> Wired remote control
<b>GAS CONNECTION</b> Gas hose with quick connector	<b>EXTINGUISHER SYSTEM</b> SmartExtinguisher® (water)	<b>FIRE SIMULATION</b> Common combustibles, Flammable liquids, Flammable gases	



### WHY?

- > **Clean** - The I.T.S.™ eliminates the discharge of any dry-chemical or CO<sub>2</sub> extinguishants
- > **Safe** - The I.T.S.™ has sensors that automatically shut off the flames if the system is bumped, knocked or set up improperly
- > **Cost Effective** - Quick recharge air-water training extinguishers plus reduced set-up and clean-up times mean you can train more people in less time



∨ SPECIFICATIONS

NAME	SPECIFICATIONS
<b>1. SMARTEXTINGUISHER® TYPE 5X</b> Special modified water extinguisher.	Size (LxØ): 48 x 28 cm Weight: 3 kg
<b>2. SMARTEXTINGUISHER® TYPE 7X</b> Special modified water extinguisher.	Size (LxØ): 62 x 29 cm Weight: 3.5 kg
<b>3. I.T.S.™ TRANSPORT CASE</b> Sturdy case can to safely store the I.T.S.™, remote control, props and prop base.	Size (LxWxH): 44 x 81 x 70 cm Weight: 14.5 kg
<b>4. EXTINGUISHER TRANSPORT CASE</b> Sturdy case can to safely store and transport 2 training extinguishers.	Size (LxWxH): 68 x 27 x 52 cm Weight: 10 kg
<b>5. I.T.S.™ PROP PACKAGE</b> Stainless steel add-on props for the I.T.S.™: Trash Can, Motor and Stove.	Total weight: 27 kg



**“ The I.T.S.™ is an upgrade to any traditional fire extinguisher training method out there**



# M-FIRE

## EXTINGUISHER FIRE TRAINER

With its efficient design, the M-FIRE can withstand evolution after evolution of intense fire training while being as portable as a carry-on.





## LIVE FIRE TRAINING

“ The M-FIRE is ideal for on site extinguisher training

## DESCRIPTION

With a streamlined design, built-in wheels and a retractable pull-handle, the M-FIRE is easy to transport from site to site.

The M-FIRE utilises direct ignition and a dry burner system to produce flames at the push of a button. Multiple fire settings, a wide range of props and pre-programmed fire scenarios give you the tools to teach the proper use of an extinguisher.

Challenge trainees to recognise the class of fire, select the proper extinguisher and use the correct technique to put-out the fire with the different M-FIRE props. These robust props fit directly on top of the M-FIRE with the prop adapter plate.

*Disclaimer: using powder as an extinguisher agent is possible, but will reduce the life span of the product.*

## SPECS

<b>DIMENSIONS, WEIGHT</b> 61 x 80 x 21 cm, 30 kg	<b>GAS TYPE</b> Propane	<b>FIRE TRAY TYPE</b> Dry Fire Tray	<b>MAX. CONSUMPTION OF GAS</b> Approx. 7.7 kg/h
<b>GAS CONNECTION</b> Gas hose with quick connectors	<b>EXTINGUISHER SYSTEM</b> All common extinguishing agents	<b>FIRE SIMULATION</b> Common combustibles, Flammable liquids, Flammable gases	<b>CONTROL SYSTEM</b> Wired remote control

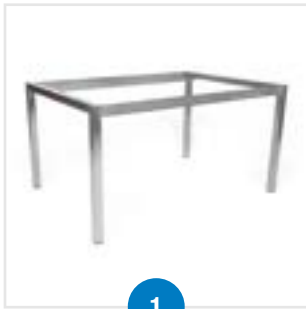


## WHY?

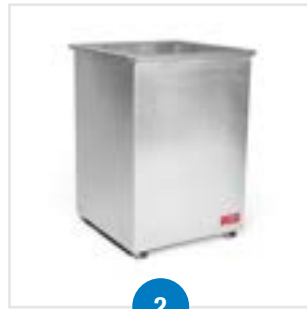
- > **Portable** - Designed as a carry-on system, with built-in wheels and retractable handle
- > **Versatile** - Tackles various fire classes with one system, by switching between the various add-on props
- > **Reliable** - Comes with built-in safety features and two electronic ignition systems for quick and reliable start-up

∨ ACCESSORIES

LIVE FIRE TRAINING



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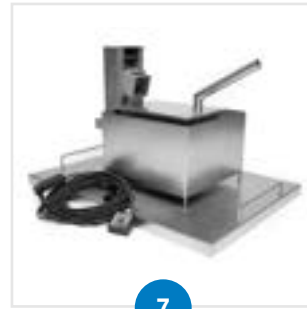
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∨ SPECIFICATIONS

NAME	SPECIFICATIONS
<b>1. M-FIRE UNDERFRAME</b> Stainless steel underframe for the M-FIRE.	Size (LxWxH): 80 x 60 x 40 cm
<b>2. TRASH CAN PROP</b> Stainless steel Trash Can Prop for the M-FIRE and the MAGNUM.	Size (LxWxH): 39 x 39 x 53 cm Weight: 9.5 kg
<b>3. MOTOR PROP</b> Stainless steel Motor Prop for the M-FIRE and the MAGNUM.	Size (LxWxH): 35 x 25 x 27 cm Weight: 5 kg
<b>4. STOVE TOP PROP</b> Stainless steel Stove Top Prop for the M-FIRE.	Size (LxWxH): 23 x 52 x 32 cm Weight: 12.5 kg
<b>5. ELECTRIC CABINET PROP</b> Stainless steel Electric Cabinet Prop for the M-FIRE and the MAGNUM.	Size (LxWxH): 26 x 40 x 60 cm Weight: 23 kg
<b>6. FLATSCREEN PROP</b> Stainless steel Flatscreen Prop for the M-FIRE and the MAGNUM.	Size (LxWxH): 50 x 16 x 50 cm Weight: 9.5 kg
<b>7. DEEP FAT FRYER PROP</b> Stainless steel Deep Fat Fryer Prop for the M-FIRE.	Size (LxWxH): 80 x 47 x 51 cm Weight: 20 kg



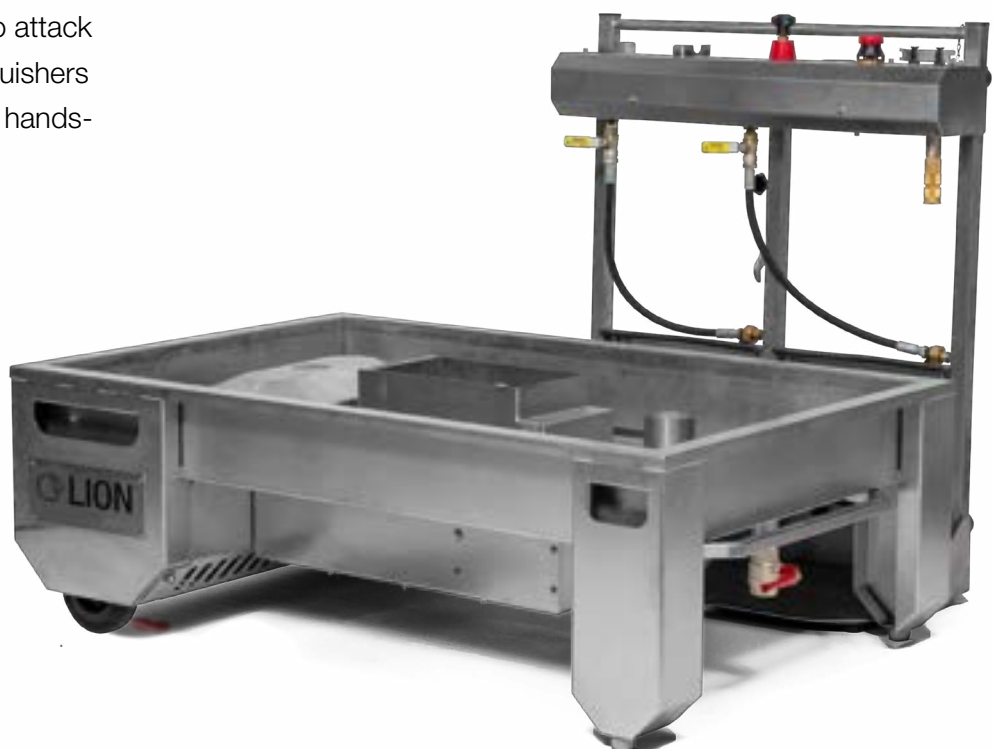
“ A prop for every emergency scenario



# MAGNUM

## HOSE LINE & FIRE EXTINGUISHER TRAINER

Challenge your trainees to attack the MAGNUM with extinguishers or hose lines for full-scale hands-on fire training.



## LIVE FIRE TRAINING

### DESCRIPTION

Whether they use a fire extinguisher or a hose line, your firefighters will feel the heat when fighting the LION MAGNUM Hose Line & Fire Extinguisher Trainer. With intense flames and rugged construction, this system is designed for full-scale firefighter training and can be hit with nearly anything in your firefighting arsenal.

Dual burners allow instructors to choose between pressurized vapour fires and liquid surface fires. Pressurized vapour fires are created by direct ignition of propane, and liquid surfaces fires are created with water bath burners. The industrial-grade pilot is located in the centre of the system, allowing for rapid ignition and maximum burn area.

Smart controls shut down the propane and auto ignition only if the fire is knocked out completely. Safety features also include a built-in emergency stop safety switch, auto-ignition pilot and an infrared flame safety sensor for propane control. The MAGNUM uses the same ignition system used in LION's full-scale firefighter training facilities.

*Disclaimer: using powder as an extinguisher agent is possible, but will reduce the life span of the product.*

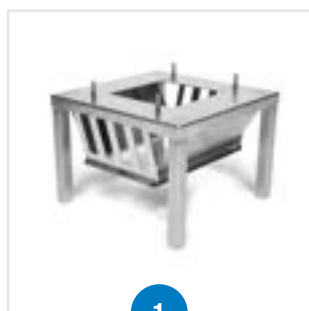
### SPECS

<b>DIMENSIONS, WEIGHT</b> 125 x 80 x 50 cm, 59 kg	<b>GAS TYPE</b> Propane	<b>FIRE TRAY TYPE</b> Water bath	<b>MAX. CONSUMPTION OF GAS</b> Approx. 40 kg/h
<b>GAS CONNECTION</b> Gas hose with quick connectors	<b>EXTINGUISHER SYSTEM</b> All common extinguishing agents	<b>FIRE SIMULATION</b> Common combustibles, Flammable liquids, Flammable gases	<b>CONTROL SYSTEM</b> Wired remote control

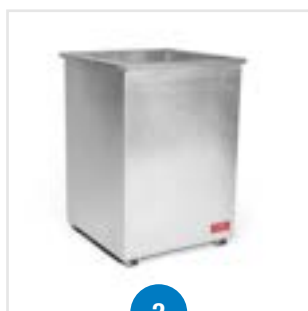


### WHY?

- > **Portable** - Built-in handle and wheels allow for easy transport and set-up
- > **Intense** - With an output of 550 kW and up to 3 metres flame height
- > **Versatile** - Full range of extinguishers or hose lines can be used for fire training



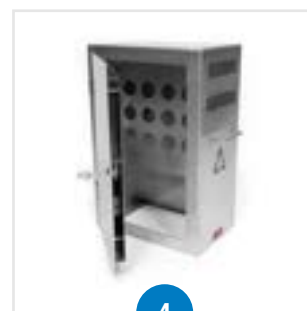
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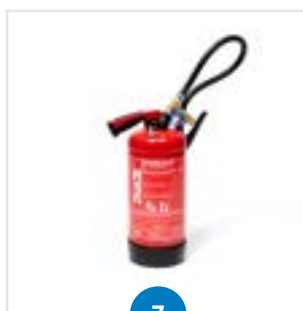
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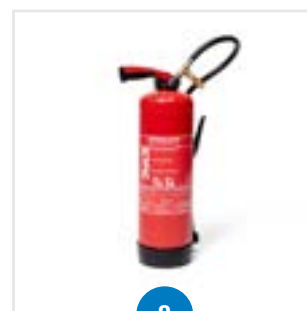
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SPECIFICATIONS

NAME	SPECIFICATIONS
<b>1. MAGNUM PROP BASE</b> Adapter to put M-FIRE Accessories on to the MAGNUM.	Size (LxWxH): 40 x 40 x 28 cm
<b>2. TRASH CAN PROP</b> Stainless steel Trash Can Prop for the M-FIRE and the MAGNUM.	Size (LxWxH): 39 x 39 x 53 cm Weight: 9.5 kg
<b>3. MOTOR PROP</b> Stainless steel Motor Prop for the M-FIRE and the MAGNUM.	Size (LxWxH): 35 x 25 x 27 cm Weight: 5 kg
<b>4. ELECTRIC CABINET PROP</b> Stainless steel Electric Cabinet Prop for the M-FIRE and the MAGNUM.	Size (LxWxH): 26 x X40 x 60 cm Weight: 23 kg
<b>5. FLATSCREEN PROP</b> Stainless steel Flatscreen Prop for the M-FIRE and the MAGNUM.	Size (LxWxH): 50 x 16 x 50 cm Weight: 9.5 kg
<b>6. EXTINGUISHER FILLING STATION - FOAM</b> With this system you can use the supplied water extinguishers. With the training foam additive you can automatically fill the extinguisher. For training purposes only!	Size (LxWxH): 90 x 105 x 70 cm Content Watertank: 100 l Content Foam tank: 5 l
<b>7. EXTINGUISHER 6 L (FOR EXTINGUISHER FILLING STATION)</b> The foam extinguisher is suitable for extinguishing the fire classes A and B. For training purposes only!	Size (LxØ): 46 x 16 cm Weight: 6 kg
<b>8. EXTINGUISHER 9 L (FOR EXTINGUISHER FILLING STATION)</b> The foam extinguisher is suitable for extinguishing the fire classes A and B. For training purposes only!	Size (LxØ): 60 x 17 cm Weight: 9 kg
<b>9. TRAINING FOAM 20 L CAN</b> Foam to train extinguishing fires. For training purposes only!	Size (LxWxH): 30 x 25 x 40 cm Weight: 20 kg



“ The MAGNUM is the most popular system in the LION Live Fire Training product line





# EXTINGUISHER FILLING STATION

The LION Extinguisher Filling Station ensures rapid filling of your fire extinguishers so that you can extinguish, refill and continue your training.

## DESCRIPTION

Make the most of your emergency response training with LION's mobile Extinguisher Filling Station. With a simple push of a button, the station fills LION's refillable fire extinguishers within 20 seconds.

The user-friendly refillable extinguishers are suitable for extinguishing Class A and B fires and come in the sizes 6 litre or 9 litre.

*Disclaimer: The LION Extinguisher Filling Station and proprietary extinguishers are designed for training purposes only and do not substitute an actual functional filling station and/or extinguisher.*

“ Refilled in only 20 seconds, and ready for action



## WHY?

- **Versatile** - Can be used for training on fire Class A & B
- **Effective** - Hands-on training with continuous use
- **Portable** - Built-in handle and wheels allow for easy transport and set-up
- **Eco-friendly** - Suitable for use with LION Training Foam, biodegradable, including safety requirements



# INCIDENT & HAZMAT FIRE TRAINING

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**FS Box**

**Misty** - Electronic Blindmask

**GasTrainer™**- Explosion Limits Gauge Simulator



# FS BOX

The FS Box is a professional grade light and sound simulator that allows you to create realistic fire and emergency incident scenes anywhere, at any time.



# “ Basic emergency staging made effortless, immersive and affordable

## DESCRIPTION

Produce a full range of sound effects during your training exercise with the built-in sound recorder and player. Choose from four professionally pre-recorded sound effects (crackling fire, leaking gas, leaking liquids, and an impending structural collapse) or record your own sounds using the built-in microphone.

To simulate a variety of fire effects, the FS Box is equipped with LED lights.

The FS Box primary control station (the Master) is the base that drives the system which can be extended with secondary units (Slaves) that are connected to the primary control station by cables. String multiple secondary units together up stairs, down hallways, or throughout your training ground to create dynamic emergency scenarios.

## SPECS

### DIMENSIONS

26 x 34 x 23 cm

### SET COMPOSITION

1 Master, up to 4 Slaves

### LIGHT SIMULATION

Rotating, Arbitrary

### SOUND EFFECTS

Crackling of fire, Gas leak, Liquid leak, Imminent collapse

### POWER SUPPLY

Battery, Wall Power

### PLAYBACK

Playing voice recording in combination with a sound simulation

### BATTERY RUN TIME AT MAX. CONFIGURATION

ca. 2.5 hrs

### RECORDING SIMULATION

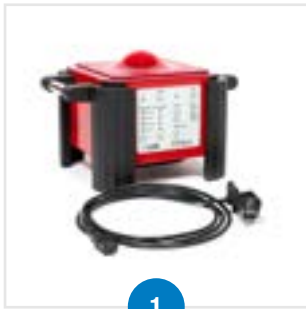
4 Voice recordings

## WHY?

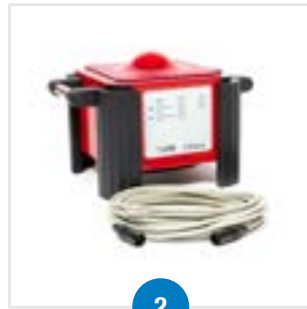
- > **Sound** - Add sound to your training scenario to increase complexity and stress levels
- > **Sight** - Insinuate fire with different LED flame patterns
- > **High impact training** - Train in the actual living/working conditions, with sounds, lights and recorded messages

∨ ACCESSORIES

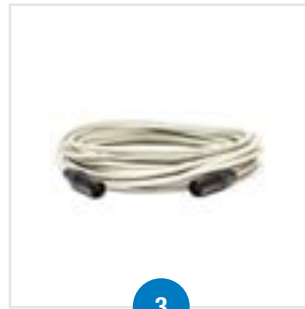
INCIDENT & HAZMAT FIRE TRAINING



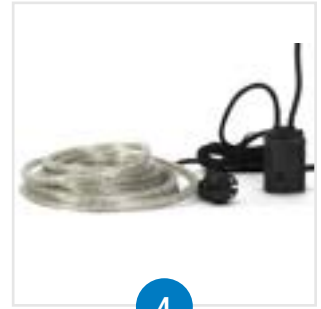
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∨ SPECIFICATIONS

NAME	SPECIFICATIONS
<b>1. FS BOX MASTER</b> Master-unit including mains cable.	Size (LxWxH): 26 x 34 x 23 cm Weight: 8.9 kg
<b>2. FS BOX SLAVE</b> Slave-unit can only be used in combination with a FS Box Master-unit.	Size (LxWxH): 26 x 34 x 23 cm Weight: 4.2 kg
<b>3. EXTENSION CABLE - 10 M</b> Cable for connecting FS Box units to each other.	Length: 10 m Weight: 0.2 kg
<b>4. FIRE TUBE - 6.5 M</b> Plastic tube fitted with red LEDs and control unit. Contains eight programs.	Length: 6.5 m Weight: 1.5 kg
<b>5. BLINDMASK</b> Vision-restricting mask for training with respiratory equipment.	Size (LxW): 100 x 23 cm Weight: 0.05 kg



“ Fundamental staging, for  
fundamental lessons



# MISTY

## ELECTRONIC BLINDMASK

From emergency evacuation training for employees to hands-on fire rescue training for firefighters, Misty Electronic Blindmask helps your trainees learn to operate comfortably in smoke filled conditions, without using actual smoke.





### DESCRIPTION

The Misty Electronic Blindmask teaches your trainees to stay calm as they find exits, to keep low while carrying out emergency action plans in a smoke-filled environment, without any actual smoke.

The Misty Electronic Blindmask comes with an Instructor Unit and two Student Units. These units are linked via wireless communication. Each mask has a built-in film that can be varied from clear to completely opaque.

Using the Instructor Unit, the trainer can determine and dynamically adjust the students' level of visibility from perfectly clear to near black-out conditions while having a clear view of the training exercise.

The system includes six different radio channels, allowing a maximum of six groups (12 students) to train in the same location. Both the students and the instructor can restore mask visibility instantly by pushing an emergency/panic button.

The Misty Electronic Blindmask can be used on firefighter helmets by adding the mask to the Misty Helmet Harness.

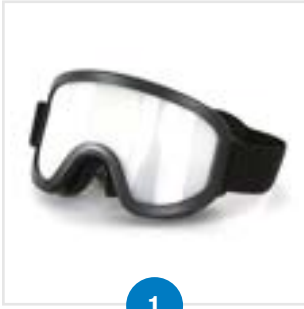
### SPECS

<b>DIMENSIONS, WEIGHT</b> 50 x 40 x 20 cm, 6.5 kg	<b>PANIC BUTTON</b> Available	<b>POWER SUPPLY</b> Battery	<b>BATTERY RUN TIME</b> ca. 8 hrs
<b>SET COMPOSITION</b> 1 Instructor Unit, 2 Student Units, 2 Masks	<b>OPTION</b> Adapter for breathing apparatus, Misty Mask Harness	<b>SMOKE SIMULATION</b> Manually adjusting degree of vision, Random degree of vision	<b>SIMULTANEOUS TRAINING</b> 6 Different group settings available



### WHY?

- > **High impact training** - Train in the actual living/working environment, with no restrictions for smoke use
- > **Efficient** - Train as many as 12 students at the same time
- > **Realistic** - Vision impairment includes smoke "breathing" effects (moving banks of smoke) for enhanced realism



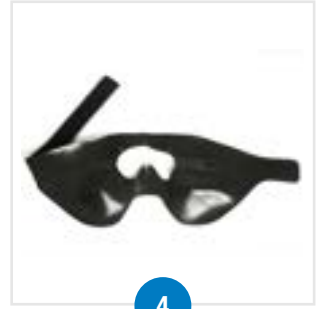
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❏ SPECIFICATIONS

NAME	SPECIFICATIONS
<p><b>1. MISTY ELECTRONIC BLINDMASK</b>                      This mask is to be used by trainees to restrict their visibility during training sessions.</p>	<p>Size (LxWxH): 19 x 11 x 7 cm                      Weight: 0.18 kg</p>
<p><b>2. MISTY ELECTRONIC BLINDMASK STUDENT UNIT</b>                      This Student Unit responds to the settings on the Instructor Unit.</p>	<p>Size (LxWxH): 15 x 10 x 5.4 cm                      Weight: 0.43 kg</p>
<p><b>3. MISTY INSTRUCTOR REMOTE CONTROL</b>                      A wireless remote control used to run the training scenario on the Misty Electronic Blindmask.</p>	<p>Size (LxWxH): 168 x 74 x 35 mm                      Weight: 0.25 kg</p>
<p><b>4. MISTY ELECTRONIC BLINDMASK HARNESS</b>                      Auxiliary attachment for carrying the Misty mask with respiratory equipment.</p>	<p>Size (LxW): 103 x 24 cm                      Weight: 0.15 kg</p>



“ When every second counts -  
will you find your way out?



# GASTRAINER™

## EXPLOSION LIMITS GAUGE SIMULATOR

The GasTrainer™ allows for comprehensive gas monitoring and response training for both fire service professionals and safety personnel.



## INCIDENT & HAZMAT FIRE TRAINING

“ Take HazMat training out of the classroom and into the field

### DESCRIPTION

The GasTrainer™ uses electronic beacons and sensor technology to simulate chemical and explosive gas emission sources. The gas sources are simulated through electronic emitters which can be set up in work areas, chemical storage facilities, and near HVAC equipment where HazMat dangers would actually occur.

Students can be trained on how different gases behave, how to locate emission sources, and how to establish safety perimeters in the event of a hazard situation. With a handheld meter, the student can read electronic emissions of oxygen, carbon monoxide, hydrogen sulphide and LEL.

Using the handheld Instructor Unit, the trainer can set alarm levels, adjust the gas being monitored, and even manually increase or decrease gas readings to provide additional training challenges. A detachable probe allows students to train on spot measurements and point source location.

### SPECS

#### DIMENSIONS, WEIGHT

50 x 40 x 20 cm, 6.25 kg (set)

#### SET COMPOSITION

1 Instructor Unit, 1 Student Unit, 3 Transmitters, 1 Measuring probe

#### TRANSMITTER RANGE

Low: up to 5 m  
High: up to 8 m

#### GAS SIMULATION

Lower Explosion Limit (%LEL)  
Oxygen (O<sub>2</sub>) Hydrogen Sulphide (H<sub>2</sub>S)  
Carbon Monoxide (CO)

#### POWER SUPPLY

Battery

#### RANGE

%LEL: 0 – 100 in steps of 1  
%O<sub>2</sub>: 0 – 25.5 in steps of 0.1  
ppm H<sub>2</sub>S: 0 – 200 in steps of 1  
ppm CO: 0 – 500 in steps of 1

#### BATTERY RUN TIME

ca. 8 hrs

#### ALARM VALUES SETTING

Pre-set Values, Manually adjusted values



### WHY?

- > **Versatile** - Reads the electronic emissions of four different gastypes
- > **Hands-on** - Take training out of the classroom and into the field
- > **Scalable** - Increase scenario complexity with extra props (warning labels, coloured fluids, etc.)
- > **Challenging** - Adjust scenario difficulty on the Instructor Unit and give live feedback



SPECIFICATIONS

NAME	SPECIFICATIONS
<p><b>1. SIZZLING GAS BOTTLE</b>                      This Sizzling Gas Bottle, with mechanical and electronic controls, safely simulates a leaking gas cylinder.</p>	<p>Size (h x Ø): 46 x 23 cm                      Weight: 7 kg</p>
<p><b>2. THT-LIQUID</b>                      Just a few drops of this natural gas odour liquid creates a realistic setting.</p>	<p>Content: 25 ml</p>
<p><b>3. COLOUR LIQUID SET</b>                      Case with four bottles of coloured liquids. One bottle is sufficient for 500 litres of water.</p>	<p>Size (LxWxH): 36 x 30 x 10 cm                      Weight: 3.5 kg</p>
<p><b>4. HAZARDOUS MATERIALS NFPA DIAMOND LABEL PACK</b>                      Magnetic NFPA Diamond set used to designate health, fire and reactivity hazards.</p>	<p>Size (LxW): 30 x 30 cm                      Weight: 2 kg</p>
<p><b>5. UN-NUMBERS IDENTIFICATION SIGN PACK</b>                      Danger identification sign with numbers and characters. Magnetic surface.</p>	<p>Size (LxW): 30 x 40 cm                      Weight: 4.5 kg</p>
<p><b>6. GHS LABEL</b>                      Complete magnetic GHS packing labels set, for simulating the packing of dangerous goods.</p>	<p>Size (LxW): 20 x 20 cm                      Weight: 1 kg</p>
<p><b>7. HAZARDOUS MATERIALS LABELS</b>                      Complete series of 24 hazardous materials labels in colour; magnetic surface. The labels will be writeable and wipeable with a white-board marker. Extra magnetic adhesive strength.</p>	<p>Size (LxW): 30 x 30 cm                      Weight: 5.5 kg</p>
<p><b>8. COMPLETE LABELS PACKAGE</b>                      Case containing Hazardous Materials NFPA Diamond Label Pack, UN-Numbers Identification Sign Pack, GHS Labels, Hazardous Materials Labels.</p>	







# DEMONSTRATION UNITS

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**Desktop Flashover** - Fire Dynamics Demonstration Unit

**Vapour Blast** - Flammable Liquids Demonstration Unit

**Dust Blast** - Explosive Particles Demonstration Unit

**PPV Trainer** - Positive Pressure Ventilation Demonstration Unit



# DESKTOP FLASHOVER

## FIRE DYNAMICS DEMONSTRATION UNIT

From high-energy flashovers to oxygen starved backdrafts, nearly any explosive condition can be created and ignited with the Desktop Flashover.



## DEMONSTRATION UNITS

“ The energy release of the Desktop Flashover speaks more than a dozen textbooks

## DESCRIPTION

The Desktop Flashover has been specifically developed to produce realistic classroom demonstrations of the dangers and the energy released by a backdraft or flashover. With controllable gas supply and internal ventilation system you can simulate a variety of air and gas mixtures to create environments that are within, below or above explosive limits.

Activate the built-in smoke generator for an enhanced visualization of a flashover, backdraft or rollover.

The properties of fire spread and explosion are viewed through the shatter-resistant window, for high impact training.

## SPECS

### DIMENSIONS, WEIGHT

79 x 51 x 72 cm, 47 kg

### GAS TYPE

Propane

### SMOKE LIQUID TYPE

LION Flash Smoke Liquid

### CONTROL SYSTEM

Wired remote control

### GAS PRESSURE

30 mbar

### GAS CONNECTION

Gas hose with quick connector and reducer with DIN connection

### TYPES OF IGNITION

Open ignition source, Intermittent ignition source, Concealed ignition source

### GAS FLOW OPTIONS

Standard gas flow, Accelerated gas flow



## WHY?

- > **Effective** - The Desktop Flashover enhances learning impact through visualization
- > **Compact** - The Desktop Flashover is designed as a table top trainer
- > **Safe** - The Desktop Flashover has built-in safety features for a safe demonstration of fire dynamics
- > **High Impact Training** - The properties of fire spread and explosion are viewed through the shatter-resistant window



# VAPOUR BLAST

## FLAMMABLE LIQUIDS DEMONSTRATION UNIT

The Vapour Blast is the ideal tool for demonstrating the explosive limits and effects of various concentrations of fuel.



## DEMONSTRATION UNITS

# “ From textbook to practice, with a bang

## DESCRIPTION

Present in the right combination, harmless traces of flammable substances can create high velocity explosions. The Vapour Blast demonstrates how a flammable substance and oxygen (air) can form an explosive atmosphere when present in sufficient quantities.

Demonstration reactions are achieved by adding a number of drops of volatile, flammable liquids, varying the temperature, and varying the mixing levels. Once ignited (depending on the mixture), a short and safe explosion occurs. The cork gets blown away from the Vapour Blast with significant force for a powerful visual effect. This exercise provides the trainees with practical insights into the concepts of explosive materials.

## SPECS

### DIMENSIONS, WEIGHT

21 x 32 x 29 cm, 12 kg

### EXPERIMENT LIQUIDS

Acetone, Alcohol, Thinner

### POWER SUPPLY

Wall Power

### CONTROL SYSTEM

Wired remote control

### MEASURING TOOL

Pipette

### EXPERIMENT TYPE

Type of liquid, Number of drops, Evaporation time, Fan usage

### CYLINDER BOTTOM HEATING

Max. 50°C

### CYLINDER VOLUME

1 dm<sup>3</sup> (1 litre)



## WHY?

- > **Effective** - The Vapour Blast enhances learning impact through visualization
- > **Compact** - The Vapour Blast is designed as a compact table top trainer
- > **Easy to use** - Training combinations provided with the system, so you can start training right away



# DUST BLAST

## EXPLOSIVE PARTICLES DEMONSTRATION UNIT

Demonstrate the hazards of dust explosions with LION's Dust Blast. This demonstration tool recreates dust explosions to help trainees recognize their precursors before they enter the field.



## DEMONSTRATION UNITS

“ Teach them how to recognize and contain potential explosion hazards

### DESCRIPTION

When dust particles become aerated at the base of a fire and oxygen is added to the mix, a high velocity explosive combustion can occur. Preventing this kind of dust explosion requires special firefighting strategies.

With the Dust Blast, you can use different types of powders to simulate different kind of dust explosions and show why one powder is so much more combustible compared to another. You can also demonstrate how a material that is generally not flammable suddenly becomes combustible when it is airborne in tiny droplets or particles.

### SPECS

#### DIMENSIONS, WEIGHT

45 x 35 x 65 cm, 22.5 kg

#### EXPERIMENT COMPONENTS

Blast Powder

#### POWER SUPPLY

Wall Power

#### MEASURING TOOL

Measuring Scoop (1 ml)

#### SETTINGS

Time, Air pressure

#### CONTROL SYSTEM

Wired remote control

### WHY?

- > **Effective** - The Dust Blast enhances learning impact through visualization
- > **Compact** - The Dust Blast is designed as a compact table top trainer
- > **Easy to use** - Training combinations provided with the system, so you can start training right away



# PPV TRAINER

## POSITIVE PRESSURE VENTILATION DEMONSTRATION UNIT

Teach the applications and limitations of Positive Pressure Ventilation with the PPV Trainer. This compact modular system visualizes smoke behaviour within buildings and teaches trainees what to do in case of smoke build-up.





## DEMONSTRATION UNITS

### DESCRIPTION

Firefighters need to know the proper applications and, most importantly, the limits of Positive Pressure Ventilation (PPV) as an emergency response strategy. With the correct techniques, PPV can enhance the safety of both first responders and civilians at the scene.

LION's PPV Trainer takes theoretical learning to a hands-on, practical level that can allow trainees to fully understand this critical firefighting tactic.

Practice fan positioning and control smoke flows by closing and opening doors or windows. Change up scenarios by adding an extra floor. You can even add fire points and victims to demonstrate the best way to evacuate.

The PPV Trainer is a modular system composed of a basement that houses all system controls and a number of see-through floors and ceiling/roof options that can be added to the structure to suit your training needs.

### SPECS

#### DIMENSIONS, WEIGHT

84 x 57 x 20 cm, 40 kg (at max. configuration)

#### SETTINGS

Doors, Windows, Ventilation

#### EXPERIMENT COMPONENTS

Fan

#### SET COMPOSITION

Cellar, Ground floor, 1st floor, 2nd floor, False Ceiling, Top floor, Flat Roof

#### POWER SUPPLY

Wall Power

#### TRAINING GOAL

Smoke Behaviour, Natural Ventilation, Pressure Ventilation

#### CONTROL SYSTEM

Wired remote control for the smoke & fan, Manual for doors, Windows & ventilation



### WHY?

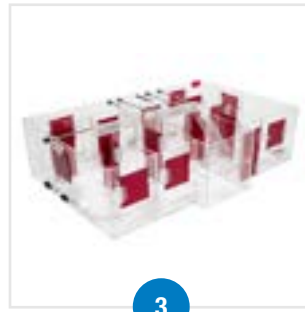
- > **Effective** - Provide hands-on training and direct feedback during your training sessions
- > **Scalable** - Add extra floors, change up layouts and add extra elements to the emergency scenario (fire points, victims, etc.)
- > **Portable** - The PPV Trainer can be packed up and moved around in special transport cases



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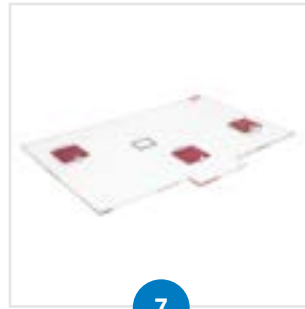
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SPECIFICATIONS

NAME	SPECIFICATIONS
<b>1. PPV TRAINER BASEMENT</b> Technical area and stairwell. Cellar with externally-controlled door to stairwell and hatch.	Size (LxWxH): 80 x 55 x 20 cm Weight: 12 kg
<b>2. PPV TRAINER GROUND FLOOR</b> Three rooms, hallway, garage and stairwell with externally-controlled doors. All rooms feature openable windows.	Size (LxWxH): 80 x 55 x 20 cm Weight: 8 kg
<b>3. PPV TRAINER FIRST FLOOR</b> Four rooms, two hallways with externally-controlled doors plus stairwell. All rooms feature openable windows.	Size (LxWxH): 80 x 55 x 20 cm Weight: 8 kg
<b>4. PPV TRAINER SECOND FLOOR</b> Six rooms, one hallway with externally-controlled doors plus stairwell. Four rooms featuring openable windows.	Size (LxWxH): 80 x 55 x 20 cm Weight: 8 kg
<b>5. PPV TRAINER FALSE CEILING</b> Featuring holes in various rooms that can be closed off.	Size (LxWxH): 80 x 55 x 3 cm. Weight: 4 kg
<b>6. PPV TRAINER TOP ROOF</b> Attic area featuring one externally-controlled door, a externally-controlled attic hatch and four openable attic windows plus stairwell. Stairwell features an openable window.	Size (LxWxH): 80 x 55 x 20 cm Weight: 6 kg
<b>7. PPV TRAINER FLAT ROOF TOP</b> Featuring three externally-controlled roof hatches.	Size (LxWxH): 80 x 55 x 2 cm Weight: 2 kg
<b>8. FLIGHTCASE FOR PPV TRAINER</b> Case to safely store and transport one modula of the PPV Trainer.	Size (LxWxH): 88 x 62 x 30 cm Weight: 15 kg
<b>9. PPV CLEANER</b> Industrial cleaner for Acrylate (plexiglass).	Size (LxWxH): 5 x 9 x 27 cm Content: 500 ml
<b>10. SMOKE LIQUID FLASH</b> Smoke liquid especially designed for the Desktop Flashover and PPV Trainer.	Size (LxWxH): 10 x 7 x 20 cm Weight: 1.15 kg



**“ Enhance theoretical knowledge of PPV operations with visually powerful practical applications**



# RESCUE MANNEQUINS

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**SmartDummy™ Basic**

**SmartDummy™ Rescue**

**SmartDummy™ Extrication**

**SmartDummy™ Thermal**

**Fire Manikin**



# SMARTDUMMY™

## BASIC

SmartDummy™ Basic is the perfect “victim” to bring your Search and Rescue training drills to life.



110 / 170 cm

## RESCUE MANNEQUINS

### DESCRIPTION

SmartDummy™ Basic is a versatile training mannequin made of durable, impermeable plastic (Bisonyl) that is easy to clean and maintain. This mannequin is suited for search and rescue training in scenarios where exposure to heat is not required.

Use the SmartDummy™ Basic in smoke filled environments, confined spaces and even SCBA mazes, to teach the proper search and rescue tactics and correct victim handling during extraction. The mannequin resembles the human body and comes in a variety of sizes and weights. A child-sized version of Smartdummy™ Basic is also available.

Adding the interactive sound-activated SmartDummy™ Adjustable Call Voice Box – located in the head – makes it easy to record messages in between evolutions. Choose between continuous or sound-activated playback. With the SmartDummy™ Adjustable Call Voice Box the SmartDummy™ Basic can cough, call out for help, or direct rescuers to find additional victims.

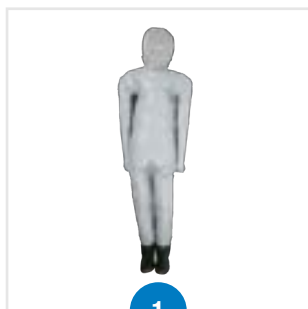
### SPECS

<b>LENGTH, WEIGHT</b> 170 cm, 24 / 48 / 70 kg	<b>INTERACTIVE OPTION</b> Adjustable Call Voice Box	<b>OPTION</b> Several weights available
<b>TRAINING GOAL</b> Search, Rescue	<b>MAX. HEAT EXPOSURE</b> Short term: 60°C Continuous: 40°C	<b>MATERIAL</b> PVC coated polyester fabric

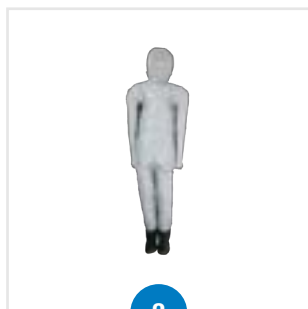


### WHY?

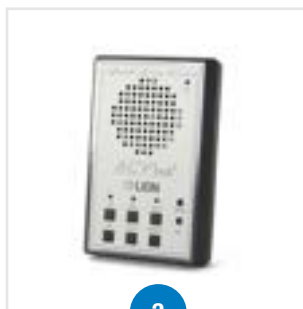
- > **Impermeable** - Suitable for use in wet environments
- > **Smart** - The mannequin can interact with first responders through a voice activated sound box
- > **Versatile** - Comes in many shapes and sizes, including child-size version



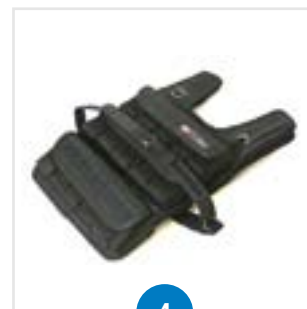
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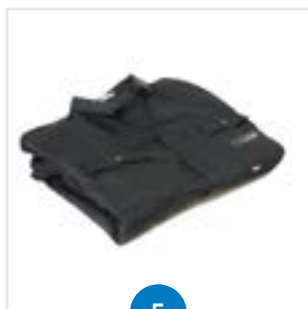
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∨ SPECIFICATIONS

NAME	SPECIFICATIONS
<p><b>1. SMARTDUMMY™ BASIC</b>                      Flexible training mannequin made of Bisonyl. Fitted with a cavity for the SmartDummy™ Adjustable Call Voice Box.</p>	<p>Length: 170 cm                      Weight: 24 kg / 48 kg / 70 kg</p>
<p><b>2. SMARTDUMMY™ CHILD</b>                      This flexible child-sized rescue mannequin made of Bisonyl is to train search and rescue operations containing children. Fitted with a cavity for the SmartDummy™ Adjustable Call Voice Box.</p>	<p>Length: 140 cm                      Weight: 10 kg</p>
<p><b>3. SMARTDUMMY™ ADJUSTABLE CALL VOICE BOX</b>                      Electronic voice recorder for playing pre-recorded sounds. The SmartDummy™ Adjustable Call Voice Box can be set to respond to sounds and can play sounds once or in a continuous loop.</p>	<p>Size (LxWxH): 14.5 x 9 x 3 cm                      Weight: 300 g</p>
<p><b>4. WEIGHTED VEST</b>                      Weighted vest for the SmartDummy™ Basic or Rescue. The vest is made of reinforced polyvinyl and fitted with a velcro closure.</p>	<p>Weight: 27 kg</p>
<p><b>5. LION OVERALL</b>                      This overall protects your SmartDummy™.</p>	<p>Length: 160 cm</p>





“ There is no such thing  
as too much training



# SMARTDUMMY™

## RESCUE

The SmartDummy™ Rescue is a rugged, interactive mannequin that adds realism during rescue training in the toughest environments.



180 cm

## RESCUE MANNEQUINS

# “ Flexible, suitable for various training purposes

## DESCRIPTION

The SmartDummy™ Rescue is made of strong, abrasion resistant canvas that is both sturdy and flexible, designed to withstand your toughest training evolutions. In addition to crush-resistant materials, the mannequin comes with a rugged uni-shell surface, removable boots and a Drag Rescue Device (DRD strap).

Adding the interactive sound-activated SmartDummy™ Adjustable Call Voice Box – located in the head – makes it easy to record messages in between evolutions. Choose between continuous or sound-activated playback. With the SmartDummy™ Adjustable Call Voice Box the SmartDummy™ Rescue can cough, call out for help, or direct rescuers to find additional victims.

## SPECS

### LENGTH, WEIGHT

180 cm, 24 / 48 / 80 kg

### INTERACTIVE OPTION

Adjustable Call Voice Box

### OPTION

Several weights available

### TRAINING GOAL

Search, Rescue

### MAX. HEAT EXPOSURE

Short term: 60°C  
Continuous: 40°C

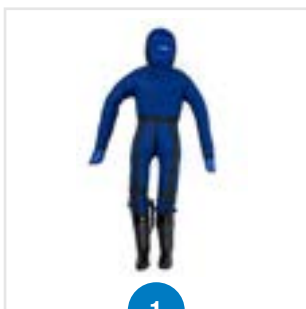
### MATERIAL

Canvas - reinforced with polypropylene strips



## WHY?

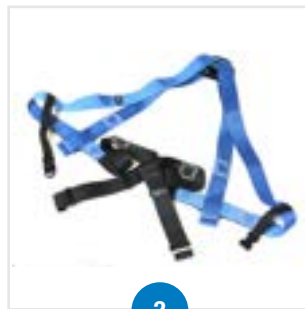
- > **Rugged** - Designed for tough evolutions that involve dragging and carrying
- > **Smart** - The mannequin can interact with first responders through a voice activated sound box
- > **Versatile** - Comes in many shapes and sizes, including “overweight” model on request



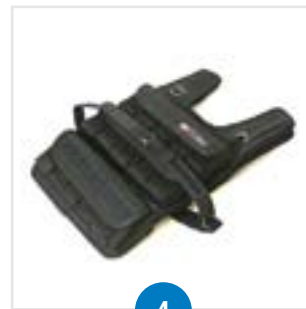
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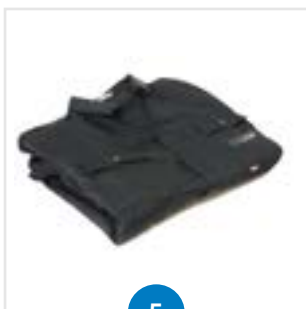
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∨ SPECIFICATIONS

NAME	SPECIFICATIONS
<p><b>1. SMARTDUMMY™ RESCUE</b>                      Training mannequin made of canvas. The canvas material used in this mannequin makes it flexible and very easy to work with. Fitted with a cavity for the SmartDummy™ Adjustable Call Voice Box.</p>	<p>Length: 180 cm                      Weight: 24 kg / 48 kg / 80 kg</p>
<p><b>2. SMARTDUMMY™ ADJUSTABLE CALL VOICE BOX</b>                      Electronic voice recorder for playing pre-recorded sounds. The SmartDummy™ Adjustable Call Voice Box can be set to respond to sounds and can play sounds once or in a continuous loop.</p>	<p>Size (LxWxH): 14.5 x 9 x 3 cm                      Weight: 300 g</p>
<p><b>3. HARNESS</b>                      For heavy lifting. To use with SmartDummy™ 80 kg.</p>	<p>Weight: 0.8 kg</p>
<p><b>4. WEIGHTED VEST</b>                      Weighted vest for the SmartDummy™ Basic or Rescue. The vest is made of reinforced polyvinyl and fitted with a velcro closure.</p>	<p>Weight: 27 kg</p>
<p><b>5. LION OVERALL</b>                      This overall protects your SmartDummy™.</p>	<p>Length: 160 cm</p>



“ No man left behind



# SMARTDUMMY™

## EXTRICATION

Made of specially designed rugged materials, LION rescue mannequins are tough enough to meet the demands of intense fire fighter training. The SmartDummy™ Extrication can be used to simulate a variety of serious bodily injuries.



180 cm

## RESCUE MANNEQUINS

# “ Ideal training aid for vehicle extrication and industrial accident drills

## DESCRIPTION

The SmartDummy™ Extrication can be used to simulate a variety of serious bodily injuries including a severed arm or leg and torso impalement, making it an ideal training aid for vehicle extrication and industrial accident response drills.

This SmartDummy™ is designed to withstand your toughest training evolutions. In addition to crush-resistant materials, the mannequin comes with a rugged uni-shell covering, removable boots and a Drag Rescue Device (DRD strap).

Adding the interactive sound-activated SmartDummy™ Adjustable Call Voice Box – located in the head – makes it easy to record messages in between evolutions. Choose between continuous or sound-activated playback. With the SmartDummy™ Adjustable Call Voice Box the SmartDummy™ Rescue can cough, call out for help, or direct rescuers to find additional victims.

## SPECS

### LENGTH, WEIGHT

180 cm, 24 / 48 kg

### INTERACTIVE OPTION

Adjustable Call Voice Box

### OPTION

Several weights available

### TRAINING GOAL

Search, Rescue, Extrication

### MAX. HEAT EXPOSURE

Short term: 60°C  
Continuous: 40°C

### MATERIAL

Canvas - reinforced with polypropylene strips



## WHY?

- > **Rugged** - Designed for tough evolutions that involve dragging and carrying
- > **Realistic** - Designed with realistic weight distribution and flexible joints
- > **Smart** - The mannequin can interact with first responders through a voice activated sound box



# SMARTDUMMY™

## THERMAL

LION's SmartDummy™ Thermal uses embedded heat emitters combined with innovative heat diffusion technology to accurately recreate a person's thermal signature.



180 cm



## RESCUE MANNEQUINS

### DESCRIPTION

Thermal Imaging Cameras (TIC's) are rapidly becoming standard tools for first responders. That's why it's more important than ever that your trainees are prepared to effectively locate victims in an emergency situation.

LION's SmartDummy™ Thermal allows instructors to demonstrate the fundamentals of how thermal imaging cameras work. It also teaches advanced techniques for locating victims in restricted visibility conditions – without having to expose a human “victim” to potentially harmful conditions. Because the SmartDummy™ Thermal contains built-in power supplies, it is also ideal for training exercises involving outdoor, cold weather and wilderness search operations.

Adding the interactive sound-activated SmartDummy™ Adjustable Call Voice Box – located in the head – makes it easy to record messages in between evolutions. Choose between continuous or sound-activated playback. With the SmartDummy™ Adjustable Call Voice Box the SmartDummy™ Rescue can cough, call out for help, or direct rescuers to find additional victims.

### SPECS

<b>LENGTH, WEIGHT</b> 180 cm, 30 kg	<b>BATTERY RUN TIME</b> ca. 2.5 hrs	<b>WARMING UP TIME</b> ca. 10 min	<b>INTERACTIVE OPTION</b> Adjustable Call Voice Box
<b>TEMPERATURE FEATURE</b> 10 to 20°C above ambient temperature	<b>SAFETY FEATURES</b> Temperature sensor in chest Motion sensor Battery undervoltage detection	<b>TRAINING GOAL</b> Use of Thermal Imaging Camera (TIC)	<b>POWER SUPPLY</b> Built-in battery with desktop charger



### WHY?

- > **Realistic** - Human-like body heat signature
- > **Rugged** - Designed for tough training
- > **Smart** - The mannequin can interact with first responders through a voice activated sound box



# FIRE MANIKIN

The LION Fire Manikin is designed for both demonstration and training exercises on the use of fire extinguishers or fire blanket when responding to a person on fire.



170 cm

## RESCUE MANNEQUINS

# “ Stop. Drop. Roll. And repeat.

## DESCRIPTION

Training to extinguish the flame on a burning victim can be difficult to accomplish. Most training mannequins are not capable of being exposed to live flame and placing an actual human near a live flame is dangerous and impractical. Our Fire Manikin is made to meet the challenge.

The LION Fire Manikin is made of a flame-resistant, non-ceramic and asbestos-free material. Used with LION's proprietary Fire Gel, the Fire Manikin can be used in hands-on training with fire extinguishers or fire blankets.

A stainless steel stand allows you to train with the Fire Manikin in either an upright or prone position. Its special design also allows for knock-down training exercises so trainees can effectively learn the appropriate responses.

A child-sized version of the Fire Manikin is also available.

## SPECS

### LENGTH, WEIGHT

170 cm, 20 kg

### TRAINING GOAL

Extinguishing techniques  
person on fire

### FIRE GEL TYPE

LION Fire Gel

### MATERIAL

Glass and aramid fibres,  
Silicon coated glass fibres

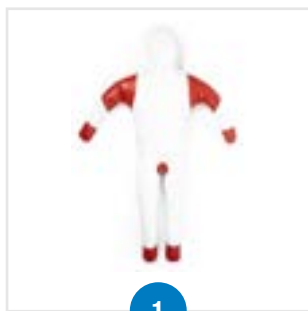
### OPTION

Fire Manikin vest – resistant  
>700°C – PU coated glass  
fibres



## WHY?

- > **Rugged** - Can withstand over 1,000 training evolutions
- > **Realistic** - The design allows you to set the mannequin on fire for a proper demonstration
- > **Safe** - Both the mannequin and the Fire Gel are made of non-toxic materials



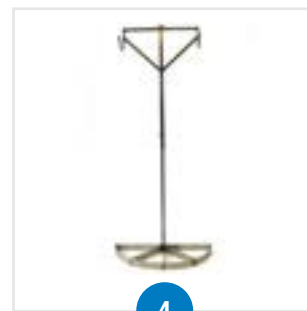
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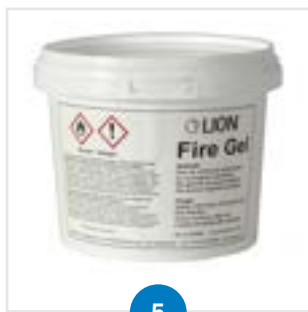
2



3



4



5

❏ SPECIFICATIONS

NAME	SPECIFICATIONS
<p><b>1. FIRE MANIKIN</b>                      Train to put out flames on a burning victim. Mannequin fashioned out of flame-resistant, non-ceramic and asbestos-free material.</p>	<p>Length: 170 cm                      Weight: 20 kg</p>
<p><b>2. FIRE MANIKIN CHILD</b>                      Train to put out flames on a burning – child-sized – victim. Mannequin fashioned out of flame-resistant, non-ceramic and asbestos-free material.</p>	<p>Length: 140 cm                      Weight: 10 kg</p>
<p><b>3. HEAT PROTECTING SHIELD</b>                      Jacket made out of flame-resistant, non-ceramic and asbestos-free material to protect your Fire Manikin.</p>	<p>Size (WxH): 60 x 70 cm                      Weight: 2 kg</p>
<p><b>4. FIRE MANIKIN STAND</b>                      Stainless steel stand for vertical placement of the Fire Manikin. Can be set to various heights.</p>	<p>Length: adjustable 70-140 cm</p>
<p><b>5. FIRE GEL</b>                      LION Fire Gel (Ethanol free) for use with the Fire Manikin. With surface effect for simulation of local burns.</p>	<p>Size (WxH): 14 x 11 cm                      Weight: 1.1 kg</p>



“ Visible flames in normal lighting conditions



# READY FOR ACTION



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