

TRAINING



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AN INTERNATIONAL PRESENCE

SUBSIDIARIES AND A STRONG NETWORK OF DISTRIBUTORS





Since 1985, LEADER **designs** and **manufactures** higher performing equipment used in **firefighting**, **fire training** and **search & rescue** applications and proposes them to Fire & Rescue Services, Civil Defense, Hazardous Industries, NGOs, Maritime Services, etc. on the 5 continents.

A major axis : INNOVATION

To meet the evolving challenges of fire hazards and search & rescue missions, equipment must continually **evolve** and **adapt** to be **more effective** while ensuring **maximum safety for workers**.

To meet these challenges, LEADER is committed to constant **innovation and new technologies** and has its own in-house **Research & Development** team which works alongside end-users to design and develop the equipment that will be proposed tomorrow.

To test our equipment and assess its performance, we at LEADER continually invest in our own infrastructure:

- Water and High-Expansion Foam test room (400 sq m)
- Ventilation test room (400 sq m)
- Casualty Search Equipment test area
- Fire test area in fire container Fire extinguishing equipment

Our commitment

When you choose LEADER equipment, you are assured of the **quality and compliance of our products**. These have been made in our workshops by our engineering and electronics **specialists**.

ISO 9001 certified since 1999, LEADER:

- Carries out checks at every stage of the manufacturing process as well as on the finished products before dispatch,
- Provides **continuous training** for all its staff.

Guaranteed equipment

Every LEADER product comes with a specific contractual guarantee .

Close to our customers

Through our sales force, subsidiaries in **Germany and the USA**, agencies in Latin America and China and an international distribution network, LEADER is present worldwide, keeping us as close as possible to our customers.

An organisation at your service

For optimal and long-term use of the equipment you purchase, LEADER can propose suitable training **on the handling, on the use and maintenance of the equipment.** Training can be done at our site or on site.



CONTENTS FIRE RISK PREVENTION TRAINING EQUIPMENT

Specially designed for fire safety trainers, the LEADER range of fire training equipment enables you to **organise realistic and dynamic exercises** corresponding to different emergency situations when a fire breaks out.

FLAME GENERATORS

P.6

MOBILE PANS AND TRAINING ACCESSORIES

FOR ENVIRONMENTALLY FRIENDLY FIRE SAFETY TRAINING

TRAINING EXTINGUISHERS

P.16

RECHARGEABLE IN LESS THAN 5 MINUTES INDISPENSABLE TO OPTIMISE YOUR TRAINING COSTS

SMOKE GENERATORS

P.18

TO SIMULATE A SMOKE-FILLED SPACE

FOR ALL YOUR REALISTIC BUT SAFE EVACUATION DRILLS AND FIRE TRAINING



Flame generators

For more than 15 years LEADER has been designing and manufacturing Flame Generators that are ideal for delivering fire safety training to any company's employees, while being **environmentally friendly**, **non-hazardous to health**, and **meeting trainees' safety requirements**.

These stainless-steel Flame Generators run on propane gas. With or without water, they produce **powerful**, **hot flames** with controllable height from 0.2m to 3m depending on the model.



QUICK TO SET UP

► EASY TO TRANSPORT

Without water Surface area of fire: **0.42 sq m** Flame height: **up to 1.20 m** AEROS 2 COMPACT FOR POWERFUL FLAMES

- EASY TO TRANSPORT
- ► IMPRESSIVE OIL-SLICK FIRE EFFECT
- ► SOLENOID VALVE FOR AUTOMATIC GAS CONTROL

Volume of water: **35 litres** Surface area of fire: **0.50 sq m** Flame height: **up to 1.50 m**

PYROS 3 HIGH, POWERFUL FLA

- ▶ IMPRESSIVE OIL-SLICK FIRE EFFECT
- POWERFUL, HOT FLAMES
- WIRELESS REMOTE CONTROL
- ► ERGONOMIC CONTROL CONSOLE

► SOLENOID VALVE FOR AUTOMATIC GAS CONTROL

Volume of water: **62 litres** Surface area of fire: **0.83 sq m** Flame height: **up to 3 m**



OPTIONAL ACCESSORIES COMPATIBLE WITH ALL FLAME GENERATORS

To customise training sessions and familiarise trainees with all fire extinguishing situations, LEADER offers training accessories compatible with all Flame Generators, capable of simulating specific situations such as computer screen fires, rubbish bin fires, chip pan fires, electric motor fires, aerosol explosions and reaction of water on contact with boiling oil.

The ease and speed of set-up of these accessories on the adaptor, which itself is easily positioned on the pan, will enable you to run multiple examples of fires in a minimum time.

TRAIN IN COMPLETE SAFETY

We know just how important safety is during training sessions, so LEADER has enormously developed this aspect: fire-resistant connecting cable, control console with emergency stop button, gas control solenoid valve, positive safety control, etc.

GF42

No water Surface area of fire: **0.42 sq m** Flame height: **up to 1.20 m**

COMPACT & LIGHTWEIGHT

WATERLESS FIRE PAN

- Easy to use
- Lightweight, takes up little space
- Produces flames up to 1.20 m in height
- ▶ 10-position flame height control
- Works with any kind of extinguishing equipment: all types of fire extinguishers, nozzles, foam units, etc.

TRAIN IN COMPLETE SAFETY

Fire is controlled (ignited) via remote control cable

GAS SUPPLY

- From an industrial-type propane gas bottle with no flow limiter
- From two domestic propane gas bottles with flow limiter



Simple to use



LEADER

TECHNICAL CHARACTERISTICS

GF42 waterless fire pan		- Material: stainless steel - Dimensions: L70 x D63 x H28 cm - Weight: 14.3 kg
Remote-control cable	V90.00.024	 Splash-proof housing Pushbutton with protection against accidental ignition Powered by 9V-6LR61 battery (not supplied) 6-metre fire-resistant electric cable (standard IEC 331).
Armoured gas supply hose	V90.80.057	 6m flexible connector to standard EN 559 Flowrate: 12 kg/h Connects to industrial-type propane gas bottle without flow limiter
Gas supply kit without pressure reducing valve	V90.80.066	 To connect two domestic propane gas bottles with flow limiter Do not use with explosion cage module (Ref V90.80.072) or oil explosion module (Ref V90.80.073).
Basic kit: V90.00.033		

VARIANT for better control of the fire





OPTIONAL ACCESSORIES

Single pressure reducing valve Ref : V90.80.052

For use with 1 domestic propane bottle with flow limiter





Solenoid valve module Ref : V90.80.076 For automatic instantaneous gas control.



Pressure reducing kit Ref : V90.80.053 For use with 2 domestic propane bottles with flow limiter.



Ref : V90.80.051 With safety pedal.

As part of our policy of constant research to improve our products, we reserve the right to modify our products' technical characteristics at any time without notice. Images not contractual.

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AEROS 2

Volume of water: **35 litres** Surface area of fire: **0.50 sq m** Flame height: **up to 1.50 m**

COMPACT WITH POWERFUL FLAMES

FIRE PAN WITH WATER

- Impressive oil-slick fire effect: The water allows the fire to spread evenly across the entire surface of the pan
- Produces powerful realistic flames rising to a height of up to 1.5 m
- 10-position flame height control
- Intense heat radiation, can be felt on the skin
- Works with all types of fire extinguishing equipment: all types of fire extinguishers, nozzles, foam units etc.

A FUNCTIONAL FIRE PAN

- Tilting legs make pan easy to drain
- Increased ground contact area enables use on loose ground

TRAIN IN COMPLETE SAFETY

- Wired remote control for control of the fire (ignition and extinction)
- Integrated solenoid valve for automatic and instantaneous gas control

GAS SUPPLY

- From an industrial-type propane gas bottle without flow limiter
- From two domestic propane gas bottles with flow limiter

+ KEY POINTS

- ► Impressive oil-slick fire effect
- Easy to transport
- Integrated safety solenoid valve for automatic and instantaneous gas control



TECHNICAL CHARACTERISTICS

AEROS 2 fire pan with water	V90.00.036	 Material: 304 stainless steel Dimensions : L97.5 x D63 x H24 cm Weight: 20.8 kg Built-in rechargeable 12V battery.
Wired remote control		 Hand-held fire initiation and extinguishing by protected pushbutton 6-m fire resistant electric cable (standard IEC 331)
Armoured gas supply hose	V90.80.057	 - 6-m flexible connector to standard EN 559 with pressure reducing valve - Flowrate: 12 kg/h - Connects to industrial type propane gas bottle without flow limiter
Basic kit: V90.00.036 + V90.80.057		



OPTIONAL ACCESSORIES



For use with 2 domestic propane bottles with flow limiter.



Ref : V90.80.058

For quickly and easily connecting the flexible connector to the fire pan.



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PYROS 3

Volume of water: **62 litres** Surface area of fire : **0.83 sq m** Flame height: **up to 3**

HIGH, POWERFUL FLAMES FOR REALISTIC TRAINING

FIRE PAN WITH WATER

- Impressive oil-slick fire effect: The water allows the fire to spread evenly across the entire surface of the pan
- Produces realistic and very powerful flames rising to as much as 3 m in height
- Flame height controlled by a pressure gauge on the console
- Very intense heat radiation, can be felt on skin
- Works with all types of fire extinguishing equipment: all types of fire extinguishers, nozzles, foam units etc.

A FUNCTIONAL FIRE PAN

- Easy drainage ensured by:
 Handles for secure handling of the pan,
 Wheels allow pan to be moved easily and tilted effortlessly
- Storage space next to the igniter for the wired and wireless remote controls



- Large surface area of fire
 Powerful flames with intense heat
- radiation
 2 remote controls supplied (wireless and wired)
- Ergonomic, easily transportable control console
- Integrated safety solenoid valve for automatic and instantaneous gas control

heat le re for gas

COMPLETELY SAFE TRAINING WITH TRAINEE EVEN **CLOSER TO REAL FIRE**

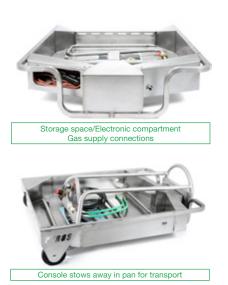
- Two remote controls supplied for controlling the fire (ignition and extinction) - One wireless remote control: convenient when accompanying the student towards the fire without a cable
 - One wired remote control
- Integrated solenoid valve for automatic and instantaneous gas control ►
- ► Emergency stop button on console

AN ERGONOMIC CONSOLE

- Lightweight and stable ►
- Can connect 1 or 2 gas bottles
- Easy to transport: store in pan during transport
- Console has:
 - 2 gas supply taps
 - 1 flowrate adjuster for adjusting flame height
 - 1 pressure gauge for continuous gas pressure monitoring
 - 1 emergency stop button

GAS SUPPLY

From one or two industrial-type propane gas bottles without flow limiter



TECHNICAL CHARACTERISTICS

Wireless remote control Ref. V90.00.040: PYROS 3 WITH WIRED	 Splash-resistant. 30-metre range. *Fréquence 433 MHZ utilisable en Union Européenne. Autres pays : se renseigner. REMOTE CONTROL AND WIRELESS REMOTE CONTROL (433 MHz – frequency subject to regulations*)
Wired remote control	 Hand-held fire initiation and extinguishing via protected pushbutton. Splash-proof handle. Electric cable: length 9 m - fire resistance (standard IEC 331).
Armoured gas supply hose	 Length : 6 metres, with screw connectors. Ignition flowrate = 36 kg/h (1 bar), nominal flowrate = 59 kg/h (2 bar). Electric cable: length 9 m - fire resistance (standard IEC 331).
Fuel supply console	 Material: stainless steel Dimensions : L57 x D39.5 x H99 cm Weight: 8.8 kg Supply pressure adjustment from 0 to 3 bar by pressure reducing valve fitted with pressure gauge "Punch" safety button for emergency shutoff. IP67 water- and dust-resistant connectors with protective caps. Gas supply from 1 or 2 industrial-type propane gas bottles without flow limiter. Easy-to-transport console: stows easily inside the fire pan.
PYROS 3 fire pan with water	 Material: stainless steel Dimensions : L117 x D96.5 x H26 cm Weight: 41.8 kg Fire surface area: 0.83 sq m Volume of water: 62 litres Integrated rechargeable 12V battery. IP67 water- and dust-resistant connectors with protective caps. Packaging: cardboard box on 1 x 1.2 m pallet

OPTIONAL ACCESSORY



Essential for long-term safe use. **3-year contract**

As part of our policy of continual research into improving our products, we reserve the right to modify our products' technical characteristics at any time without notice. Images not contractual



TRAINING ACCESSORIES

COMPATIBLE WITH ALL LEADER FLAME GENERATORS

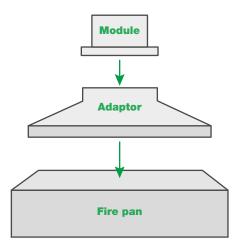
FOR CUSTOMISING AND VARYING YOUR TRAINING SESSIONS

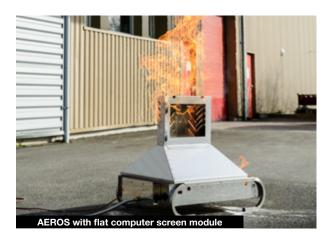
To **familiarise** students with all fire extinguishing situations, LEADER offers modules for all of its flame generators capable of **simulating specific situations**: computer screen fire, rubbish bin fire, chip pan fire, electrical cabinet fire, aerosol explosion, electric motor fire and oil explosion.

These training modules give trainees the chance to practise:

- recognising the type of fire (class A, B, C, D or F fires)
- selecting the appropriate extinguisher (water spray, water plus additive, powder, CO2 or foam)
- using the right technique to put the fire out (spraying the extinguishing agent onto the fire, covering the fire with a wet cloth, etc.)

SETUP





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ADAPTORS

Necessary for installing the training modules



TRAINING MODULES

compatible with adaptors for the LEADER GF42, AEROS 2 and PYROS 3 pans



Ref: V90.80.071





Bin Ref: V90.80.062

Fits onto the flat computer screen module (Ref. V90.80.071). H: 35.5 cm / L: 39.5 cm / P: 18.0 cm / Weight: 2.9 kg

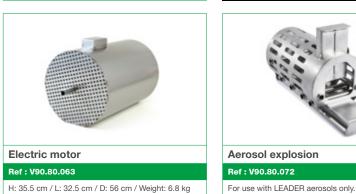


Mounts on top of the flat computer screen (Code V90.80.071) and the bin (Code V90.80.062). H: 14 cm / L: 39.5 cm / D: 26 cm / Weight: 1.4 kg



Electrical cabinet Ref: V90.80.075 1 Door with removable key which mounts on the flat

computer screen module (Code V90.80.071). H: 38.0 cm / L: 46.5 cm / D: 11.0 cm (base: 14.5 cm) Weight: 6.5 kg







H: 22.5 cm / L: 26 cm / D: 20 cm / Weight: 6.9 kg Not to be used with pressure reducing kit (Ref. V90.80.053)



Ref : V90.80.073

For use with vegetable oil only. H: 45.0 cm / L: 26 cm / D: 30.0 cm / Weight: 2.8 kg Not to be used with pressure reducing kit (Ref. V90.80.053)



TRAINING FIRE EXTINGUISHERS

REFILLABLE WITH WATER IN LESS THAN 5 MINUTES

Essential at any fire safety training session, the LEADER training extinguisher has **all the characteristics of a real fire extinguisher** except that refilling is much **faster, simpler and less expensive** than with conventional extinguishers.



- Economical
- Quick and easy to set up
- Low maintenance
- Three versions available

3 VERSIONS AVAILABLE



LEADER

QUICK AND EASY TO SET UP

- Identical handling and appearance to standard extinguisher
- Handles well
- Quality spray
- Duration:
 - Auxiliary and permanent pressure fire extinguishers: 30 seconds (6 litres at 15 bar)
 - CO₂ type fire extinguisher: 30 seconds (2 litres at 15 bar)

SIMPLE, INEXPENSIVE REFILLING

- Fire extinguisher pays for itself in less than seven refills: uses water at 15 bar to simulate the extinguishing agent
- Refill by trainer in less than 5 minutes
- Removable head with wide opening on screw thread for quick and easy refilling

SIMPLE TO PRESSURISE USING

- A foot pump (not included)
- A 15-bar compressor (not included)*
 - Either using the "Schrader" type valve from the fire extinguisher (the $\mathrm{CO}_{\!_2}$ type
 - requires use of the special V90.90.021 connector) - Or using a connector that fits on the spray hose
 - ő

*15 bar compressor: consult us



TECHNICAL CHARACTERISTICS

Height: 58 cm Diameter: 15 cm Weight: 4.3 kg Maximum capacity of tanks:

- Auxiliary pressure fire extinguisher: 6 litres
- Permanent pressure fire extinguisher: 6 litres
- ► CO₂ type fire extinguisher: 2 litres



These fire extinguishers are designed for training use only. They must not be used or installed as standard fire extinguishers.

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LEADE& Smoke 2

SMOKE GENERATORS

LEADER Smoke

FOR DENSE, REALISTIC SMOKE FOR EVACUATION DRILLS AND COMPLETELY SAFE TRAINING SESSIONS!

ADJUSTABLE FLOW RATE

Produces light smoke or dense smoke.

PROGRAMMABLE EMISSION

- Controlled volume of smoke required for each scenario (to fill small and large volumes),
- Select length of time for which smoke is to be produced,
- Select time interval between smoke emissions.

PERMANENT HEATING SYSTEM

Continuous dense smoke production in order to avoid interruptions of operation during the programmed period.

ROBUST COMPACT DESIGN

- Impact-resistant, splash-resistant outer casing
- Easy to transport
- Takes up little space

DETACHABLE STURDY REMOTE CONTROL

For initiating remote production of smoke

CONTINUOUS OPERATION AT REDUCED FLOWRATE BY DEFAULT

For maximum economy of fluid.







- Even more realistic training
- Programmable smoke production
- Remote initiation possible
- Simple low-level maintenance.

TECHNICAL CHARACTERISTICS





LEADER Smoke 2

LEADER Smoke 4

Reference	R20.00.103	R20.00.104
Heater	1000 W	1500W Hi-Mass technology
Start-up time	7 minutes	8 minutes
Direct thermal protection	Yes (DTPD system: Direct Thermal Protection Device)	
Approximate flowrate	500 m ³ /min in continuous low-flowrate operation	1000 m ³ /min in continuous low-flowrate operation
Power consumption	4.5 A @ 220 V	7 A @ 220 V
Dimensions	500 x 225 x 165 mm	685 x 345 x 225 mm
Weight	11 kg	19 kg
Removable remote control	Yes (5	5 m of cable)
Recommended fluid	LEADER Smoke fluid Any defect resulting from the use of fluids other than our own is not covered by the warranty.	
Capacity of built-in tank	1 x 2,5 litres	1 x 9,5 litres
Fluid consumption	75 ml/min	150 ml/min

OPTIONAL ACCESSORIES

Smoke removal piping: Ref : 926.220.24 5 m of 104 mm piping with adaptor.

LEADER SMOKE FLUID

FOR DENSE, REALISTIC, SAFE SMOKE



Water- and glycol-based, the smoke produced is completely non-toxic.

- Slight deposit on the walls of the space where the smoke is produced, on the people and on equipment (ventilate the space after use).
- **Ecological, environmentally safe** fluid.
- Ideal for a highly realistic exercise: smoke density adjustable from very light to very dense
- Economical: long suspension time, 30% longer than other fluids available on the market!
- Multi-purpose: Ideal for small volumes (approx. 100 m³) & large volumes (approx. 2000 m³)

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WARRANTY

LEADER guarantees its products from the date of acceptance by the customer.

The respective warranty periods are as follows:

- Fire pan and fuel supply console (PYROS 3, AEROS 2, GF42): 1 year
- Flame generator accessories (training modules): 1 year
- LEADER SMOKE smoke generators: 2 years
- Training fire extinguishers: 1 year
- Batteries and igniters: 6 months

This warranty does not apply where it has been found by our services that the equipment was damaged by:

- Normal wear due to operation
- An improper use of the equipment
- Accidents arising from carelessness
- A defective maintenance
- Failure to follow the standards and instructions of the manufacturer
- Improper storage

Consumables, such as pipes, legs, remote control cables, wheels, paint and labels etc. are excluded from the warranty if the faults are discovered after the first use of the product.











ALWAYS IN TOUCH WITH OUR CLIENTS TO DESIGN THE PRODUCTS YOU WILL NEED IN THE FUTURE



HEAD OFFICE

ZI des Hautes-Vallées - Chemin n° 34 - CS20014 - 76930 Octeville sur Mer - France Tel +33 (0)235 530575 - Fax +33 (0)235 531632 info@leader-group.eu

SUBSIDIARIES

LEADER GmbH Zur Fabrik 10 - 66271 Kleinblittersdorf - Germany ēl. : +49 (0) 6805/60067-0 - Fax : +49 (0) 6805/60067-1(info@leader-gmbh.de LEADER NORTH AMERICA Inc. 109-A Summerville Drive, Mooresville, NC28115 - U.S.A Tel: + 1 (0)704-662-3377 – Fax: + 1 (0)704-662-3397 info@LeaderNorthAmerica.com

AGENCIES

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