

CBRN PROTECTION



PRODUCT CATEGORIES

- Patient Isolation
- Staff Protection
- Decontamination



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Saving, Protecting and Preserving Life

CBRN PROTECTION



01

PATIENT ISOLATION

CBRN protective equipment for patient isolation, such as transport and isolation Bio-bags or negative pressured Bioboxes

1.1 BIO-BAG

Isolation device for safe transport of infected or immunocompromised individuals. Proven design, effective in demanding conditions.

- Produced by high-frequency welding technology
- Large transparent windows allow patient monitoring
- 3 pairs of interchangeable gloves allow basic procedures to be performed
- Medical transport safety straps
- Self-supporting mountable aluminium frame system
- Large port for connecting respiratory support
- External, replaceable filters for patient safety
- Ports for infusions, drains, and ECG
- Padded back support for larger patients
- Decontaminable & reusable
- Larger hermetic zipper for easier access
- Easy maintenance

TECHNICAL PARAMETERS

- Unfolded Dimensions: 203 x 64 x 56 cm (L x W x H)
- Weight including transport bag: 21 kg
- Folded Dimensions: 98 x 22 x 60 cm (L x W x H)

Product Code: LRY-EBV-30/40 IN/CH



1.2 BIOBOX ON TUBE CONSTRUCTION - FULL SET

For safe isolation of persons infected with highly contagious disease or persons affected by biological agents and microorganisms.

- HEPA filtration removes contaminated air, ensuring clean air circulation for maximum bio-protection.
- Enables safe patient care and staff movement without personal protective equipment.
- BSL-3 standard level of protection.
- Versatile: Usable in buildings, tents, or heated/cooled spaces.
- Durable Design: Requires minimal maintenance for long-lasting use due to the maintenance-free tube construction.
- Accessories required.

TECHNICAL PARAMETERS*

- External Dimensions: 4.84 x 2.1 x 2.2 m (L x W x H)
- Weight: 70 kg

* Technical parameters are indicative.
The construction of the Biobox can be customised based on a specific building layout.

NECESSARY ACCESSORIES:

- Filter-ventilation unit including filters

OPTIONAL ACCESSORIES:

- Decontobox
- Water distribution

Product Code: LRY-EBX-06



1.3 BIOBOX ON INFLATABLE TUBULAR CONSTRUCTION – FULL SET

For safe isolation of persons infected with highly contagious disease or persons affected by biological agents and microorganisms.

- Protects healthcare workers and the environment from contagious patients and materials.
- Allows medical care without contaminating equipment or staff. Equipment connects via special hermetic inlets.
- HEPA filtration unit integrated into the Biobox wall removes contaminated air and supplies clean air for maximum bio-protection.
- Enables safe patient care and staff access without PPE.
- The Biobox provides BSL-3 standard level of protection.
- Tubular inflatable design for easy transport and setup in 15 minutes.
- Accessories required.

TECHNICAL PARAMETERS

- External Dimensions: 5.35 x 2.5 x 2.45 m (L x W x H)
- Weight: 103 kg

NECESSARY ACCESSORIES:

- Filter-ventilation unit including filters

OPTIONAL ACCESSORIES:

- Decontbox
- Water distribution
- Compressor for inflation

Product Code: LRY-EBXT-06



1.4 MOBILE INFECTIOUS ISOLATION WORKPLACE – FULL SET

The mobile infectious workplace for long-term hospitalisation and isolation is an easily deployable tent with an isolated Biobox for treating contagious patients in the field.

TECHNICAL PARAMETERS

- External tent dimensions: 10 x 6 x 3 m (L x W x H)
- Internal tent dimensions: 10 x 5.4 x 2.7 m (L x W x H)
- Usable working area: 56 m²
- Weight: 275 kg
- Compressor inflation time: 4 minutes (by compressor).

Product Code: LRY-ES-56 EBXT



1.5 INSULATOR ON TUBE CONSTRUCTION

For urgent and safe isolation of patients suspected of a highly contagious disease. The transparent foil allows patient monitoring during isolation.

- Allows easy handling of the patient placed in the Bio-bag
- Enables negative pressure with filtration efficiency of $\geq 99.95\%$
- Sets up in 1 hour & accommodates beds & equipment.
- Easy setup creates a disinfectable isolation space that is impermeable to water.
- Connects to decontamination showers & includes filtration & carrying bag.

TECHNICAL PARAMETERS

- External dimensions of assembly: 2.8 x 2.2 x 2.2 m (L x W x H)
- Dimensions in the folded state: 0.6 x 0.6 x 0.3 m
- Weight: 60 kg

Product Code: LRY-EITR-10



1.6 INSULATOR ON INFLATABLE TUBULAR CONSTRUCTION

The Insulator, a portable isolation unit for suspected contagious patients, offers easy setup, clear patient monitoring, and is ideal for emergency situations in schools, hospitals, airports, natural disasters and civil unrest to name a few.

- Features an inflatable design for easy handling of patients in Bio-bag. Uses negative pressure with two filter-ventilation units for inflation by a compressor.
- Inflates in just 3 minutes, creating a disinfectable isolation space anytime, anywhere. It accommodates beds and other equipment for complete patient care.
- The waterproof, easy-to-clean surface allows for quick disinfection.
- Sold with transport bag, filters, and compressor, and connects to decontamination showers for a complete isolation system.

TECHNICAL PARAMETERS

- Dimensions: 2.9 x 2.4 x 2.25 m (L x W x H)
- Dimensions in the folded state: 0.6 x 0.6 x 0.3 m

- Weight: 45 kg

Product Code: LRY-EITU-10



2.1 PROTECTIVE HOOD AGAINST BIOLOGICAL AGENTS

The positive-pressure protective hood with a supply of filtered air protects the head of the user who enters an environment with biological agents. Accessories required.

- Crafted from long-lasting butyl rubber, this hood utilises a positive pressure mode with a filter-ventilation unit delivering 160 dm³/min of filtered air for user protection.
- Features a positive pressure mode with P3 filters for clean air supply (160 dm³/min) and a pressure relief valve for user comfort. The battery ensures a minimum operating time of 4 hours.
- Offers a large viewing area and a comfortable head cross seal for extended wear. Seams ensure a secure fit.

NECESSARY ACCESSORIES:

- Filter-ventilation unit including filters

Product Code: LRY-EOK-10



2.2 FULL-BODY PROTECTIVE SUIT – FULL SET

Provides optimal protection against radioactive particles, dust, liquid organic and concentrated inorganic chemicals (even under pressure). Meets strict safety standards (EN 1149-1, EN 14126, EN 1073-2) for category III, type 3B applications. The internal positive pressure safeguards users and its design allows for re-use in training exercises for medical personnel.

- Includes suit with integrated gloves, filter unit, filters, boots, and carrying bag.
- The built-in filter-ventilation unit supplies a sufficient amount of clean air (160 dm³/min) for 4 hours.

Product Code: LRY-EOBO-20/C



2.3 PROTECTIVE BIOLOGICAL AND CHEMICAL SUIT

This one-piece, gas-tight suit with positive pressure air filtration protects users from highly dangerous biological agents. The filter unit is located inside the suit for maximum safety, with only replaceable filters exposed to the environment.

The set includes EBO protective suit, FVU CleanAir Chemical 2F Plus, gloves, boots, transport bag

- Made from long-lasting, decontaminable butyl rubber, this suit features adjustable positive pressure air flow (160, 185, 210 and 235 dm³/min) for user comfort and protection. Its long-lasting battery operates for a minimum of 6 hours.
 - Incorporates external filters for clean air supply, one-way pressure relief valves for optimal comfort, a large visor for clear vision, a special hermetic leak-proof zipper, and resealed elastomer seams for maximum user protection.
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- The product has EU certificate No. 22 0512 T/NB
 - ČSN EN ISO 13688:2014/A12022 (EN ISO 13688:2013/A1:2021)
 - ČSN EN 14126:2004 (EN 14126:2003/AC:2004) /Type B/
 - ČSN EN 14605+A1:2009 (EN 14605:2005+A1:2009) /Type 3 and Type 4/
 - ČSN EN ISO 13982-1:2005+A1:2011 (EN ISO 13982-1:2004+A1:2010) /Type 5/
 - ČSN EN 13034+A1:2009 (EN 13034:2005+A1:2009) /Type 6/

Product Code: LRY-EBO-10



3.1 DECONTAMINATION SHOWER FOR LYING PATIENT – FULL SET

Quickly deployable and easy to transport, this 3-meter shower allows for decontamination of stretcher-bound patients while providing space for staff to administer medical care.

This portable shower inflates quickly and features a hanging cabin with hand shower, brush, and nozzles. Staff can operate the hand shower and brush externally while using integrated gloves. A suction basket continuously removes wastewater.

Accessories required.

TECHNICAL PARAMETERS:

- Dimensions: 3.0 x 2.0 x 2.45 m (L x W x H)
- Dimensions in packed state: 1.1 x 0.8 x 0.45 m (L x W x H)
- Weight: 50 kg
- Inflation time by compressor: 60 sec

BASIC ACCESSORIES:

- Decontamination box
- Water distribution
- Compressor and nonslip mat.

Product Code: LRY-EDK-08



3.2 DECONTAMINATION SHOWER – FULL SET

Quickly deployable and easy to transport, this inflatable shower decontaminates people in or out of protective suits. It features a hanging cabin and removes wastewater for easy cleanup.

The hanging cabin has multiple decontamination options: five fixed nozzles, a hand shower on a hose, and a hand brush (all operable externally with gloves).

Accessories required.

TECHNICAL PARAMETERS:

- Dimensions: 2.0 x 2.0 x 2.45 m (L x W x H)
- Dimensions in packed state: 1.1 x 0.8 x 0.35 m (L x W x H)
- Weight: 40 kg
- Inflation time by compressor: 40 sec

BASIC ACCESSORIES:

- Decontamination box
- Water distribution
- Compressor and nonslip mat.

Product Code: LRY-EDK-04



3.3 DECONTAMINATION CIRCLE

This lightweight, mobile device deploys quickly for field use. The ring containing nozzles sprays decontamination solutions, controlled by a spherical valve which is easily adjusted. Folds easily for transport and assembly purposes.

TECHNICAL PARAMETERS:

- Circle and nozzle material: stainless steel
- Number of nozzles: 8 pcs
- Pressure: 2 – 6 bar
- Flow capacity: 2.5 l/min (each nozzle)
- Circle diameter: 100 cm
- Weight: 3.6 kg
- Set up time: 2 min

Product Code: LRY-EDEK-10



3.4 DECONTAMINATION POOL

This inflatable pool with a durable double-sided coated fabric bottom captures wastewater during the decontamination process to prevent environmental hazards. The pool inflates using an electric compressor or foot pump.

TECHNICAL PARAMETERS:

- Tubular construction with fixed floor
- 1 inflation/discharge valve
- 1 pressure safety valve
- Dimensions inflated: 2.5 x 2.5 x 0.2 m
- Weight: 10 kg

Product Code: LRY-EDKB-10





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