



Decontamination Shelter

Product Information Pack

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Supplying:



Introducing the Decontamination Shelter, engineered for efficiency and stability to ensure rapid deployment and reliable performance in critical decontamination situations.

This single decontamination shelter incorporates a comprehensive hose system, designed to facilitate efficient water distribution and equipment connection.

This system guarantees smooth operation and robust support for decontamination procedures across various scenarios.

Featuring multiple power options such as 12v, 110v, and 230v pumps, alongside a high-pressure hose and BA cylinder for emergencies, inflation is achieved swiftly, ensuring quick setup.

Once inflated, our shelter stands securely without requiring continuous inflation or intricate mechanical support, owing to its stable design.

The shelter boasts inflation/deflation and sensor valves positioned on the exterior, along with an array of pump options, ensuring easy setup and reliable performance for prolonged use. Post-use, the shelter conveniently folds into the storage valise for compact storage. Its lightweight design allows for effortless transportation and manoeuvrability during emergencies.

Compact, lightweight, and highly portable, our 5×3m Single Decontamination Shelter is the premier solution for emergency scenarios involving contamination threats. Its versatility is evident in its connectable sections and inner Decontamination Chamber, facilitating seamless configuration adjustments to meet diverse needs.

Connectable zips, eyelets, and toggle features enable swift movement of the decontamination chamber between sections, enhancing ease of setup and use.

Equipped with a comprehensive repair kit and sturdy pegs, our shelters guarantee durability and reliability in any situation, ensuring readiness for immediate use when required.

Decontamination Shelter



Key Features:

- Quick assembly and reliable performance
- Compact and lightweight for easy transportation
- Versatile configuration with connectable sections
- Stable design without continuous inflation or complex support
- Multiple pump options for quick inflation
- Hose system for efficient water distribution and equipment connection
- Welded black plate PVC beams, 250mm-330mm acc. to shelter size
- Shelter doors for multi-entry access
- 3-layer Windows on each side (RTX™ 500 FR / PVC / Fly-mesh)
- Outer canopy with protruding service ports
- Inward-facing service port for user safety
- Universal design with room dividers
- Chevron pattern for trip hazard awareness
- Equipment storage with triangular pouches
- Comprehensive repair kit included
- Optional extras available for customisation
- Single 5×3m Single Decon Unit, enabling a workable space of 16.40ft x 9.51ft x 9.83ft approx.

Applications:

- Chemical Spill Response
- Biological Hazard Response
- Radiation Exposure Incidents
- Hazmat Incidents:
- Emergency Response Drills



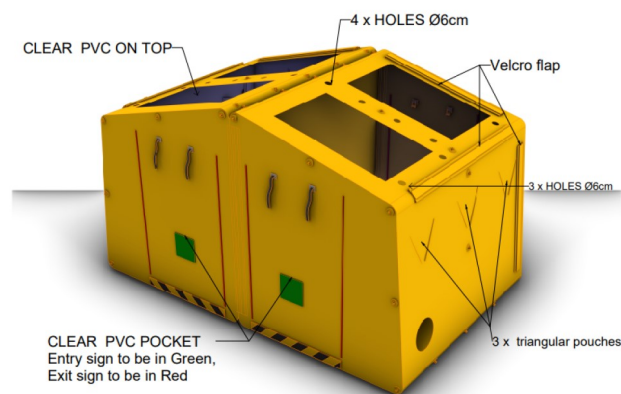
Material Specification (Outer Shelter)

Component	Material	Approvals / Certs
Canopy	Polyester, 550 Dtex, PU Polymer Coating 240 g/m2	Certified to B1 (DIN 4102), BS 7837, M2 (NPF 92-507). Flame-retardant, printable, waterproof, and water-repellent.
Windows	Transparent PVC Film Standard width: 137 cm, Thickness: 0.50mm	Flame Retardant EN1176-10, NFPA-701, CSFM, B1 Standard, Anti mildew, Fungicide / Biocide, Safety, UV Stabilised, and 6 'P' harmful heavy metals free. DIN 4102-15 & 16
Floor, Walls & Ceiling	PVC-coated polyester fabric, Gloss 630g, 8×8 plain woven, high-tenacity 1300D yarns. Standard width 152cm	EU flame-retardant, anti-mildew, anti-fungal Reach, RoHS, UV stabilised, lead-free, CFC-free. Conforms to BS EN ISO 2286:1998, BS EN ISO 1421:1998, BS 3424:1982, BS 3424:1983, ISO 1928:1995, BS 1006:1990, and EN 71-2:2020 for toy safety.
Beams	Black Plato Beam PVC, Airtight Sealed Frame, 1140 gr/sqm	-



Material Specification (Inner Chamber)

Component	Material	Approvals / Certs
Clear PVC Windows (Walls & Ceiling)	Transparent PVC Film Standard width: 137 cm, Thickness: 0.50mm	EU flame-retardant, anti-mildew, anti-fungal Reach, RoHS, UV stabilised, lead-free, CFC- free. Conforms to BS EN ISO 2286:1998, BS EN ISO 1421:1998, BS 3424:1982, BS 3424:1983, ISO 1928:1995, BS 1006:1990, and EN 71-2:2020
Floor, Walls & Ceiling	PVC-coated polyester fabric, Gloss 630g, 8×8 plain woven, high-tenacity 1300D yarns. Standard width 152cm	Flame Retardant EN1176-10, NFPA-701, CSFM, B1 Standard, Anti mildew, Fungicide / Biocide, Safety, UV Stabilised, and 6 'P ' harmful heavy metals free. DIN 4102-15 & 16
Beams	Black Plato Beam PVC, Airtight Sealed Frame, 1140 gr/sqm	-



Decon Shelter Water System and Parts

The Decon Shelter is designed for thorough cleansing in emergency situations such as *Chemical Spill Response*, *Biological Hazard Response*, *Radiation Exposure Incidents*, *Hazmat Incidents* and *Emergency Response Drills*.

The Decontamination Water System itself, which is integrated into the decon unit, distributes water through yellow PVC lay-flat hoses to six drop points in the chamber, ensuring even coverage. Recoil hoses connect easily to water spray guns for effective cleansing. The Waste Water Containment Tank securely holds contaminated water, while the Dosatron Chemical Inducer accurately dispenses detergent into the flow. Together, these components create a seamless system for effective decontamination.

1. Recoil Hose



2. Quick-Release Coupling



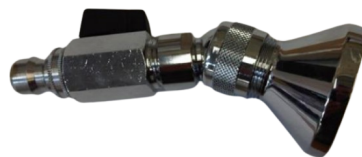
3. Spray Gun



4. 3/4 Yellow Layflat Hose



5. Shower Rose + Shut-off Valve



6. 1000 Ltr Waste Water Tank



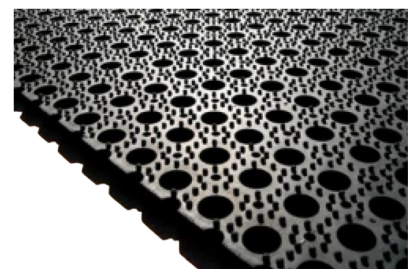
7. 110v Waste Water Pump



8. Dosatron Chemical Inducer



9. Shelter / Cell Flooring



Decontamination Component Details

Recoil Hose:

The 2.5MTR Polyurethane Coiled Air Hose Assembly is a durable solution with a maximum working pressure of 200 psi. Made from polyurethane (PU) material, it features nickel-plated 360° swivel fittings, straight ends with spring guards, and recoiling ability for easy storage.



Quick-release Coupling:

The 1/2" Series Coupling with 3/4" BSP Female connection features a brass nickel-plated material, nitrile seal, and valve, suitable for temperatures from -30°C to +80°C and pressure up to 25 bar.



Spray Gun:

The chrome-plated water gun offers adjustable flow and spray pattern, equipped with a Nitrile rubber internal seal for durability and performance.



3/4 Yellow Layflat Hose:

The yellow PVC Layflat hose, sized 3/4", is made for durability and versatility with a working pressure of 6 Bar / 90 PSI.



Shower Rose with Shut-off Valve:

The shower rose provides precise water flow control with a swivel joint, WRAS approval, and a shut-off valve for continuous or manual control.



1000 Litre Waste Water Containment Tank:

The tank has a capacity of 1000 litres and features handles, slings, a central lifting point, release valve, and ball valves for efficient waste water containment.



110v Waste Water Pump:

This compact submersible pump offers efficient removal of contaminated wastewater with suction capability and compatibility with various plumbing setups.



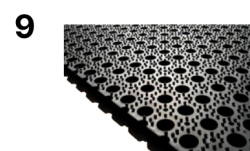
Dosatron Chemical Inducer:

The chemical inducer enhances decontamination effectiveness by dispensing detergent into the water flow based on water pressure, ensuring precision and reliability.



5×3m Decon Shelter and 2×2m Decon Cell Flooring

Decon Shelter and Cell Flooring, tailored for 5×3m Decon Shelters and Shower Cells, offering a secure, non-slip surface. Raised holes aid drainage, while tiles fit seamlessly for larger areas, ensuring hassle-free setup and maintenance.



Decontamination Shelter

Inflations Options

The 5×3m Decontamination Shelter offers a comprehensive selection of inflation and deflation pumps, each designed to meet specific needs and preferences.

From the portable Bravo Turbo Max 12V Electric Pump ideal for both professional and recreational use, to the versatile Bravo GE OV10 110V and 230V pumps equipped with anti-sand filters for smooth operation in challenging environments, there's a solution for every task.

For maximum performance, the Bravo 230V 230/2000 Pump combines a main motor with a booster motor, offering rapid inflation capabilities perfect for larger structures like the 4m x 5m inflatable shelter, which can be fully inflated in under 5 minutes.

The GE 120/2000 A.R.S. Electric Pump takes convenience to the next level with its Automatic Refilling System, ensuring consistent pressure levels without the need for manual monitoring or adjustments.

With adjustable pressure settings catering to various requirements, these pumps and cylinders guarantee peak performance for the Fast-Inflation Shelter, providing efficiency and reliability when it matters most.

Bravo GE OV10 230V



12v Bravo Turbo Max



Bravo GE OV10 110V



Bravo GE OV10 230V



GE 120/2000 A.R.S.



Cylinder Inflation Hose System



Lighting Options

Illuminate your decontamination shelter with ease using our cutting-edge lighting options tailored for your ICBair Fast-inflation Shelters. Choose between the ALDEBARAN® SMARTLINE SERIES 110V lighting system or the versatile Lithium Ion rechargeable battery lights, both boasting an impressive approximate lifespan of 50,000 hours.

The ALDEBARAN® SMARTLINE SERIES 110V lights harness modern LED technology to deliver 6500 lumens per unit, ensuring ample illumination for your shelter. Designed for longevity and cost-effectiveness, these lights provide reliable performance for extended periods.



Electrical Data	SmartLine RP110 LED Basic	SmartLine RP110 LED Basic
Input voltage	100 - 240 V AC	100 - 240 V AC
Power consumption	65 W	65 W
Photometric Data		
Illuminant	LED-Strip-Technology	LED-Strip-Technology
Luminous flux approx.	6.500 lm	6.500 lm
Colour temperature	4000 °K 5000 °K	4000 °K 5000 °K
CRI	>80	>80
Life time approx.	50.000 hrs	50.000 hrs
General Data		
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C
Dimension (LxWxH) approx.	750 x 150 x 82 mm	750 x 150 x 82 mm
Weight approx.	3,5 kg	3,5 kg
IP code	IP54	IP44
Plug	Schuko IP68 green	Schuko IP44
Socket (opposite)	Schuko IP68 green	Schuko IP54

Lighting Options

Alternatively, opt for the Lithium Ion rechargeable lights, which utilise state-of-the-art battery technology to offer multi-hour usage even in areas without a power source. Featuring the SETO COMBAT design, these lights offer tactical switching between light colours (cool, warm, and neutral white) to suit various applications. Additionally, the direction of light (lateral or central radiation) can be independently controlled, and intensity can be adjusted in three stages for optimal illumination.

Lithium Ion Rechargeable Lighting

- ✔ Highly flexible, tactical light
- ✔ Color switching and dimming function
- ✔ Up to 4.000 lumens
- ✔ 7.5 - 78 h battery life
- ✔ Dimensions 296 x 100 x 36 mm
- ✔ Power bank function

Item no: 1424000022

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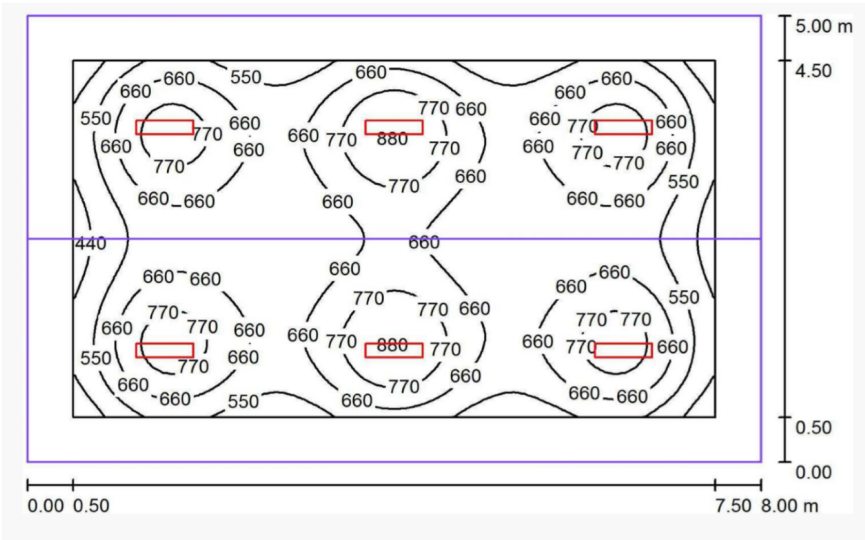


General Data	Electrical data	Lighting data
Model	X1	
Dimensions	229x100x36 mm	
Weight	0,598 kg	
Front Window	Milky	
IP Class	IP54	
Light Functions	Dimmable, ww/nw/cw Switch, Powerbank	
Brand	SETO	
Series	COMBAT	

General Data	Electrical data	Lighting data
Input Voltage	12,6 V	
Type of Current	DC	
Protection Class	III	
Operating Time (High Level)	6,5 h	
Operating Time (Low Level)	78 h	
Charge Time	3 h	
Charger	Li-ION, 3,6V, 15,600 mAh	

General Data	Electrical data	Lighting data
Luminant	LED	
Luminous Flux (real)	3.200 lm	
Colour Temperature	3000 / 4200 / 6200 K	

Illumination Coverage



The above diagram shows the light coverage of 6 units in an 8m x 5m shelter, we would suggest 4 lights for a 6m x 5m shelter and 2 units to illuminate a 5m x 3m shelter.



With convenient mounting options including hooks, carabiners, and side straps, these lights offer flexibility and ease of installation, ensuring your shelter remains well-lit and functional in any environment. Illuminate your space efficiently and effectively with our innovative shelter lighting solutions.

Shelter Heating

Direct Fan Heater(Available in 230v & 110v)



Reliable and durable heating solutions tailored for harsh environments with our extra tough units designed to withstand the rigors of regular site use. Ideal for scenarios where temperatures can plummet, such as cold and isolated environments encountered during search and rescue missions, humanitarian relief efforts, and hospital triages, our heating units offer indispensable comfort and safety.

Equipped with an adjustable thermostat and over-temperature protection as standard, our heating units ensure precise control and safety in any setting. The optional spigot feature allows users to fit up to 2 meters of ducting, enhancing flexibility and enabling directed heat distribution where needed most.

An extra tough unit designed and built to with-stand the rigours of regular site use. Features include an adjustable thermostat and over temperature protection as standard while the optional spigot allows the user to fit up to 2m of ducting. Available in 110v 32A and 230v 13A models.

In harsh and challenging conditions, maintaining optimal temperatures is crucial for the well-being and efficiency of personnel and equipment. Our heating units provide a reliable source of warmth, creating a comfortable and conducive environment for prolonged base camp setups during critical operations. Whether it's providing warmth for rescue teams, supporting humanitarian relief efforts, or facilitating medical triages, our heating solutions offer essential support in demanding situations, ensuring that shelters remain functional and occupants remain safe and comfortable.

Notes