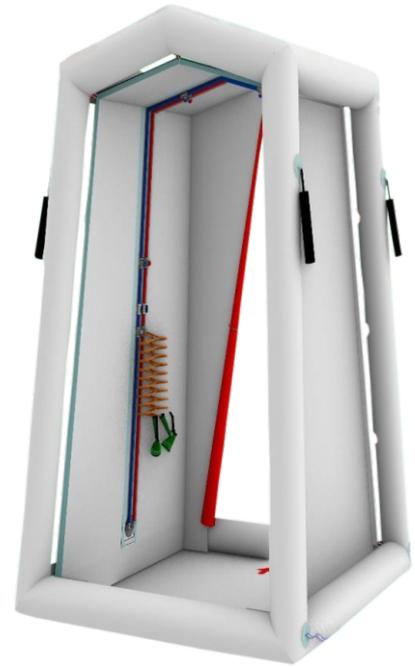




# Inflatable Single Decontamination System



An inflatable single decontamination system is a rapidly deployable shelter designed for field decontamination of personnel following contamination (chemical, biological, radiological). It features a self-standing inflatable structure, integrated shower nozzles, wastewater collection, and a compact transport footprint suitable for emergency response teams.

## Salient Features:

- Adaptable for different contaminants (chemical/biological)
- Fully inflatable – no rigid frame required
- Rapid setup/ Portable & compact for storage/transportation
- Raised floor panels & sump for wastewater containment
- Craftsmanship: The main structure of the outer canopy is made using high-frequency heat sealing technology.



# Inflatable Single Decontamination System

## Physical & Structural Specifications:

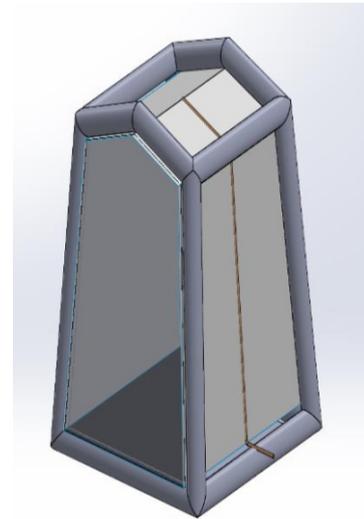
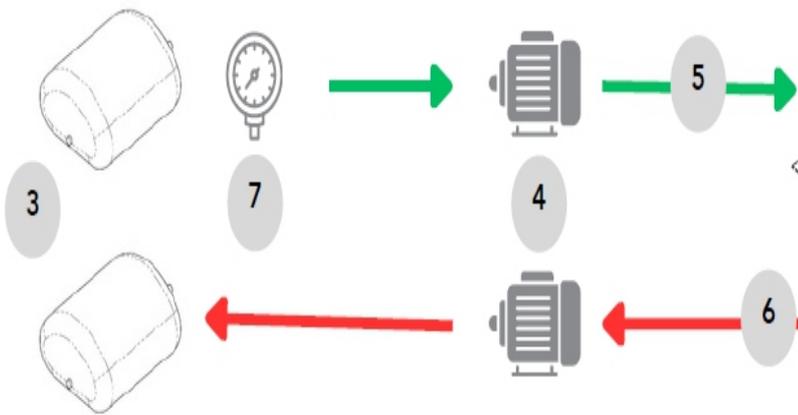
Structure	Inflatable tent/shower cabin
Material	Coated PVC / PU fabric (waterproof, UV resistant)
Deployment Time	2–8 minutes
Deployment Personnel	2 persons
Exterior Dimensions	Projection size: 2 m*2m*2.4m (±50mm),
Internal Working Area	3.8 m <sup>2</sup>
Packed Size	0.8m*0.7m*0.5m (varies by model)
Weight	35–42 kg
Operating Temp. Range	-25 °C to +70 °C

## Decontamination & Shower System:

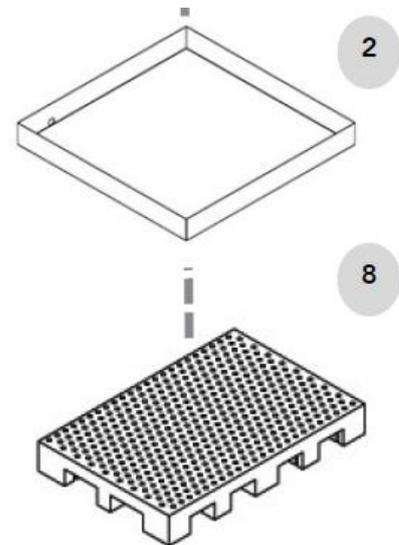
Shower Nozzles	2–5 adjustable spray nozzles (varies by model)
Water Inlet Pressure	Up to ~3 bar / 43 ps
Raised Floor	Prevents contact with contaminated runoff
Wastewater Management	Integrated sump; pump extraction sleeves
Exterior Dimensions	Manual pump / electric blower / compressed air
Inflation Pressure	Low pressure (0.2–0.3 bar)



# Inflatable Single Decontamination System



Sr. No.	Connection Equipment's
1	Main tent 1 piece.
2	Water collection tray
3	Water tank (clean tank/Decontaminated tank).
4	3-pound hammer 1 piece.
5	Water hose for clean water.
6	Water hose for decontaminated.
7	Pressure valve.
8	Standing tray





# Inflatable Single Decontamination System

## Environmental & Structural Data:

Condition	Specification
Wind Stability	Can withstand 8-level strong winds
Rain & Snow Resistance	15 mm/h and 10kg/m <sup>2</sup>
Reinflation cycle:	≥7 days
Storage temperature:	3-pound hammer 1 piece.
Window	1Transparent Clear window panels with privacy curtains
Vent	Φ400mm (±20mm), with sleeves and covers, a total of 1.
About the door	Patch type, a total of 2 Nos,
Packing size	0.8m*0.7m*0.5m

## Configuration:

Sr. No.	Configuration
1	Main tent 1 piece.
2	Low-pressure inflation and exhaust pump 1 set.
3	500mm triangular ground stakes 4 pieces.
4	3-pound hammer 1 piece.
5	Repair glue 1 can.
6	Repair patches of 100mm*100mm for outer canopy and ground cloth materials, 5 pieces each.
7	Outer package 1 piece



# Inflatable Single Decontamination System

## Accessories (Standard & Optional)

Accessories Specification	Technical specification
Low-Pressure Inflation & Exhaust Pump	<p>Dual-function pump for tent inflation and deflation; electric/manual combo</p> 
Clean Water Hose Chemical retardant	<p>Water hose pipe for clean and decontamination carrying pipe which is chemical retardant and standard temperature operation specs</p> 
Spray Gun & Hose	<p>Water jet spray for on handheld decontamination standard connecting with water hose pipe</p> 



# Inflatable Single Decontamination System

## Accessories (Standard & Optional)

Accessories Specification	Technical specification
Generator (Optional)	Generator 6kW 4-stroke petrol 
Water inlet pump	For supplying decontamination fluid and fresh water fluid Tec Spec (Self priming centrifugal pump, 60 Liters/minute, power rating 0.37 kW (single phase) 230V) Lightweight and portable with carrying handle) 
Water outlet pump	For draining contaminated water with auto cutoff feature Tec Spec (Submersible sump pump, 80–100 litre/minute 0.5–0.75 kW 230V AC, Automatic start/stop via float switch) 



# Inflatable Single Decontamination System

## Accessories (Standard & Optional)

Accessories Specification	Technical specification
Water collection tray/ standing pallet	Dimensions as per floor area 3.8m <sup>2</sup>  A yellow plastic water collection tray with a black grid top and four legs.
Dosatron (Optional)	Constant proportion dilution of chemical solvents Dosatron Comparable Water Dosing Medicator Injector Pump  A blue and black Dosatron pump with a nozzle.
Water Tank (Optional)	Inflatable water tank 500L/1000L as per customer requirements  A green inflatable water tank with a red valve at the bottom.



# Inflatable Single Decontamination System

## Accessories (Standard & Optional)

Accessories Specification	Technical specification
Washing & Heating (Optional)	Washing and disinfection machine (Heating machine) 
Lighting Sets (portable LED / flood lights) (Optional)	The user can regulate the intensity of the light, choose the desired run time or select from three pre-set power levels. The system's next generation LEDs combine to radiate up to 24,000 lumens (6,000 per light head). Powered by rechargeable batteries, the system offers remote activation via a Bluetooth app which allows varied light output from 100% – 0%. 
Water Tank (Optional)	Inflatable water tank 500L/1000L as per customer requirements 