

INFLATABLE AIRBEAM SHELTER

In extreme environments where time, personnel, and resources are limited, Weatherhaven's inflatable shelter system delivers rapid and reliable protection. Suitable for military, commercial, emergency response, and medical applications, the inflatable shelter can be deployed in minutes. Weatherhaven's low-pressure inflatable shelter offers a compact or scalable solution that's ready for fast deployment in all environments.



SHELTER SYSTEM ADVANTAGES

- 
- Compact and lightweight for efficient and cost-saving transport and logistics
 - Fully integrated with PVC flooring, zippered weatherproof doors, windows, and ports for HVAC and power/data
 - Rapid deployment in 5–10 minutes, depending on shelter size
 - Flexible design, easily connects to form larger camp, command and control or field hospital complexes.
 - Fully insulated to reduce energy costs and fuel requirements
 - Plug-and-play ancillary systems available: power distribution, LED lighting, HVAC, and furnishings
 - Customizable layouts, colours, and branding
 - Complies with international fire retardancy standards (M2 classification)
 - Low-maintenance and simple operation
 - Zero-trace environmental footprint
 - Resistant to UV exposure, mould, and fungi

INFLATABLE AIRBEAM SHELTER

SPECIFICATIONS OVERVIEW

Shelters can be customized to meet specific operational and logistical requirements



Feature	Main Shelter	Vestibule Shelter
Packed Dimensions	1.4m Long x 1.2m Wide x 1m High	1.2m Long x 1m Wide x 0.8m High
Deployed Dimensions (L x W x H)	600 x 570 x 280 cm	350 x 400 x 280 cm
Weight	242.5 kg	1 pallet is 210 kg (gross 190 kg)
Temperature Range	-30°C to +50°C	
Wind Load Limit	95 kph (Beaufort scale 10)	
Snow Load Limit	50 kg/m ²	
Inflation Pressure	130–190 mbar (1.9–2.7 psi)	
Deployment Time	5–10 minutes (2 people recommended)	
Anchoring System	40 cm & 90 cm ground anchors	
HVAC Ports	330 mm duct	
Cable Ports	150 mm	
Interconnectable	Yes, side-to-side and end-to-end at zipper door entries	
Options	• Custom sizes available • Lighting kits (offered in various power requirements) • Heating, Ventilation and Air Conditioning (HVAC) • HVAC ports • Cable ports • Fabric ducting for HVAC system • Anchoring systems customized for different ground types	

