

# INFLATABLE SHELTERS



Applications for Sava shelters are almost unlimited. They are commonly used for:

- protection from the elements
- as decon shelters in case of hazmat accidents
- storage for hazardous materials and protection from the elements
- incident command center
- storage of various ordinance and protection from the elements
- activities in connection with crime scene investigations
- first aid center
- mobile hospital
- as a canteen when conducting different types of operations

Several shelters can be connected together to meet special needs.

The shelters are designed for ease of use and require minimum number of people to set up due to inflatable frame system, light weight, simple packing and stowing, and simple operation.

We offer standard sizes from 12 to 52 square meters (approx. 120 to 520 square feet). Custom sizes are available upon request.

Standard models are available with accessories such as inflation systems, inflation pressure monitoring, portable heating and cooling systems, and electric generators.

# INFLATABLE SHELTERS

## A. FEATURES

- shelter set up time is less than 10 minutes
- will remain fully inflated for several days without the need to add pressure
- removable/replaceable ground cover
- removable/replaceable top cover
- removable/replaceable door panels
- ability to connect various types of shelters
- available in several colors
- made of fire resistant materials
- individual decon showers can be added to the shelters
- compatible with Sava decon units
- ability to attach protective net to the ceiling
- custom logo labels available

## B. SAFETY

- pressure relief valve set at 0.3 bar (4.35 PSI) to prevent over-inflation
- frame material highly resistant to wear and tear
- all components are fire resistant
- high quality materials capable of withstanding most weather conditions
- inflatable frame will maintain operating pressure for a minimum of 48 hours

## C. STANDARD EQUIPMENT

- removable ground cover
- removable top cover
- removable door panel
- removable back panel
- inflatable frame with inflation / deflation ports and pressure relief
- picket set/mallet/securing line
- depending on shelter size, minimum 2 windows with rollup cover panel and bug screen
- three basic colors, custom colors available
- attachment points for medical and other equipment
- access points for electrical wiring
- ducting for heating/cooling air and air return

## SAVA INFLATABLE SHELTERS

### Technical data

type	unit	12	16	22	33	42	52
Part No.		<b>542130</b>	<b>542131</b>	<b>542132</b>	<b>542133</b>	<b>542134</b>	<b>542135</b>
External Dimensions	cm	397x392x270	490x392x270	590x392x270	650x570x270	790x570x270	990x570x270
Useable area	cm	350x350x340	450x350x250	550x350x250	600x530x250	750x530x250	950x530x250
Max. inflation pressure	bar	0.3	0.3	0.3	0.3	0.3	0.3
Test pressure	bar	0.65	0.65	0.65	0.65	0.65	0.65
Air volume required	l	1560	1735	1997	2537	3141	3521
Dimensions stowed	cm	140x85x50	140x85x55	140x85x60	140x85x65	140x85x75	140x85x90
Inflation time	min	5 to 10	5 to 10	5 to 10	8 to 12	10 to 15	10 to 15
Weight	kg	92	103	120	150	175	203

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## OPTIONAL EQUIPMENT



### Electric generator--542144

To provide for electric power in the field, we are offering the generator Model BSKA 6.5

Specifications:

- fuel type: gasoline
- fuel tank size: 10.5 l (2.75 gal)
- max. Output 9.8 KW
- voltage 230V/50Hz
- safety class: IP54
- weight: 118 kg (260 lbs)
- dimensions: 70 x 44 x 59 cm (27.5 x 17 x 23 inch)
- 16 Amp receptacle
- running time at ¼ tank - 4.8 hours



### Light kit 2x55W-542138

Suitable lighting for the shelter interior can be achieved by installing light kits which are simply attached to the inflatable framework. The lights are moisture resistant and meet the safety standard IP54.

Specifications:

- Voltage: 230V/50Hz
- Expected life: 2000 h
- Dimensions: 610 x 190 x 145 mm (24 x 7.5 x 5.7 inch)
- Weight: 3.55 kg (7.8 lbs)
- Cable length: 9.6 m (31.5 feet)

### Light kit 2x36W-542139

Specifications:

- Voltage 230V/50Hz
- Expected life: 20000h
- Dimensions: 485x190x145 mm (19 x 7.5 x 5.7 inch)
- Weight: 2,65 kg (5.8 lbs)
- Cable length: 5,8 m (19 feet)



### Electric Heater D3XS-542150

If electric power is available either through the power grid or portable generator, the shelter interior can be heated by means of electric space heater. The model D3XS is only suitable for Type 12 and 16 shelters.

Specifications:

- wattage: 3 KW
- air volume: 300m<sup>3</sup>/h
- dimensions: 400 x 340 x 270mm (15.75 x 13.4 x 10.5 inch)
- weight: 5 kg (11 lbs)



### Gas Heater DG30S-542152

If electric power is not available, the shelter can be heated using a gas heater Model DG30S.

Specifications:

- heating capacity: 16-29KW
- air volume: 1200m<sup>3</sup>/h
- dimensions: 550x400x250 mm (22 x 15.75 x 10 inch)
- weight 13,6kg (30 lbs)



### Oil Heater K25T

A fast and efficient way of heating a shelter can be accomplished with an oil heater Model K25T. It includes a thermostat for precise temperature control.

Specifications:

- heating capacity: 25KW
- air volume capacity: 2050m<sup>3</sup>/h
- dimensions: 100x58x72 cm (39 x 23 x 28 inch)
- weight: 85kg (187 lbs)
- tank capacity: 35l (9.25 gal)
- oil consumption 2,3kg/h (5 lbs/h)

Additional equipment for K25T

- supply hose 7,6m Ø203mm (25 feet, 8 inch dia.)
- exhaust hose
- thermostat

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### Electric inflator with fill hose-542141

Electric inflator allows for quick inflation of the shelter.

Specifications:

- air capacity: 1500l/min
- dimensions: Ø16,5x27cm (dia. 6.5 inch x 10.5 inch high)
- weight 3kg (6.6 lb)
- voltage: 230V/50Hz



### Single fitting controller 0,3 bar (4.35 PSI)

Use this controller to properly monitor the inflation process.

Specifications:

- pressure relief valve: 0,3 bar (4.35 PSI)
- pressure gauge 0,5 bar (7.25 PSI)
- hose length 2m (6.5 feet)

## MATERIAL OVERVIEW

FRAME WORK	CR	POLYESTER	VULCANIZE/GLUE
TOP COVER	PVC	POLYAMIDE	HF WELDING
GROUND COVER	PVC	POLYAMIDE	HF WELDING
VALVE ACCESS	CR	POLYESTER	VULCANIZE/GLUE
CARRY VALISE	PVC	POLYAMIDE	HF WELDING

## TEMPERATURE RESISTANCE

shelter parts	unit	temperature resistance (cold)	temperature flexibility	temperature resistance (long-term heat)	temperature resistance (short-term heat)
SHELTER FRAME	°C	-40	-20	90	115
SHELTER CLOTH	°C	-30	-15	70	-
SHELTER FLOOR	°C	-30	-15	70	-
VALVE OPENING	°C	-40	-20	90	115
CARRY VALISE	°C	-30	-15	70	-