



Inflatable Shelters provide a quickly deployable structure that is simple to use, lightweight, compact and easy to transport. They are ideal for emergency or humanitarian use, but have a wide range of other applications including field hospitals, command centres, crime scene preservation, storage areas and vehicle maintenance.

MFC International's range of inflatable shelters can be set up in a matter of minutes, and will stay standing without continuous inflation. With no mechanical framework the shelters are lighter and more compact once packed.

All shelters are supplied with adjustable zipped entrances at the front and rear, providing a versatile solution that allows two or more shelters to be linked together if required. Shelters can be anchored on hard or soft standing, and guy ropes are provided for use in inclement weather.

The shelters are manufactured with a welded and taped PU frame that reduces weight and air leakage, allowing shelters to remain inflated for longer without the need for topping up (particularly in hot climates). The welded and taped canopy ensures seams remain waterproof even after repeated deployments and both the floor and canopy can be detached for easy cleaning.

Shelters are supplied with a comprehensive range of standard equipment, along with a large choice of optional add-ons such as heating, lighting and customer branding. The shelters are available with a choice of standard flame resistant (FR) canopy material colours, other colours are available in both FR & non FR materials if required. Shelters come with a white translucent roof as standard, but can be ordered with the roof in the main canopy colour as an option.

FEATURES

- Lightweight and easily portable
- Sets up within a matter of minutes and will stay standing without continuous inflation
- Supplied with adjustable zipped entrances at the front and rear providing a versatile solution that allows two or more shelters to be linked together if required
- Can be anchored on hard or soft standing, and guy ropes are provided for use in inclement weather
- Minimal training, servicing and maintenance costs
- Detachable floor & canopy for easy cleaning

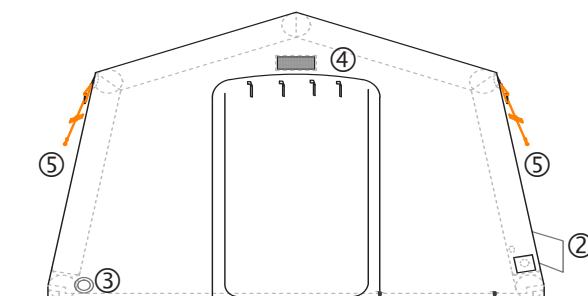
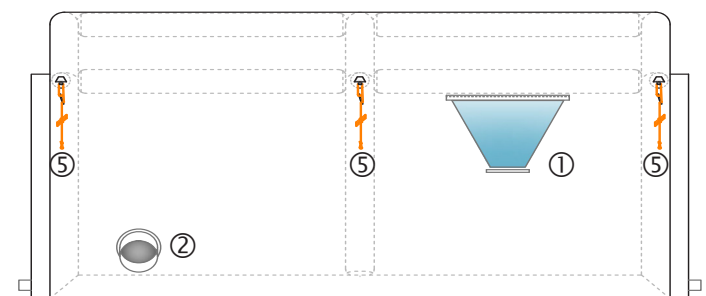
USED FOR

- Field Hospitals
- Command Centers
- Crime Scene Preservation
- Storage Areas
- Vehicle Maintenance Shelter

TECHNICAL DATA	9	12	16	20	25	30	36	42	51
Product Code*	SHW/09/001	SHW/12/001	SHW/16/001	SHW/20/001	SHW/25/001	SHW/30/001	SHW/36/001	SHW/42/001	SHW/51/001
Length (cm)	300	400	400	500	500	600	600	700	850
Int. Length (cm)	300	400	400	500	500	600	600	700	850
Width (cm)	300	300	400	400	500	500	595	595	595
Int. Width (cm)	263	263	353	353	453	453	534	534	534
Height (cm)	263	263	280	280	290	290	308	308	308
Int. Height (cm)	238	238	254	254	265	265	275	275	275
Int. Floor Area (sq.m)	7.89	10.52	14.12	17.65	22.65	27.1	32.04		45.39
Air Requirements (ltr)	1300	1850	2600	2900	3050	3700	5900		8100
Pack size (cm)	120x66x41	120x66x41	130x66x50	130x66x50	140x80x66	140x80x60	140x80x60		160x80x66
Weight (kg)	36	45	58	68	78	88	105		125

*All codes above are for white shelters with a white roof (product code ends 001) - see last page for alternate colour options

DETAIL DRAWING



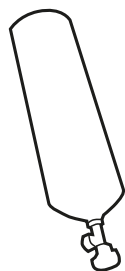
SUPPLIED WITH

- ① Windows & blinds (2 total, one in each side wall)
- ② Heater sleeve (side) x1
- ③ Cable sleeves (one at each end) x2
- ④ Closable ventilation panel over each door
- ⑤ Guy lines and adjusters (6 or 8 depending on size)
 - Valise
 - Repair kit
 - Delivery hose (1m)
 - Peg set & bag

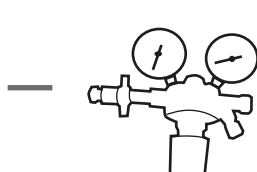
OPTIONS

- Branding/Lettering
- Additional windows & blinds
- Detachable floor panel
- Electric inflator
- 8 bar regulator
- Additional cable or heater sleeves
- Electric heater
- Gas heater
- LED lighting & hanging brackets
- Ballast bags

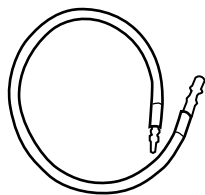
OPTIONS FOR INFLATION



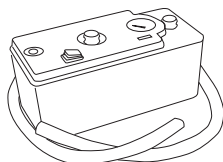
B.A. Cylinder
(By others)



8 bar Regulator
(RE0034)
Regulator with
fixed hose
(RE0034/006)



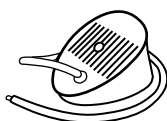
1m Delivery Hose
(Supplied with sled
HS-04-05-01-27-06)



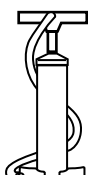
**Scoprega GE25
Electric Inflator**
(190009)



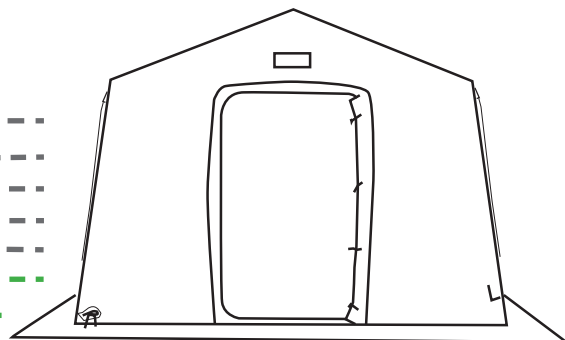
**Electric Inflator
GE1800 Standard**
110v - 180057/001
230v - 180058



**Bravo10 Foot
Pump**
(180006)

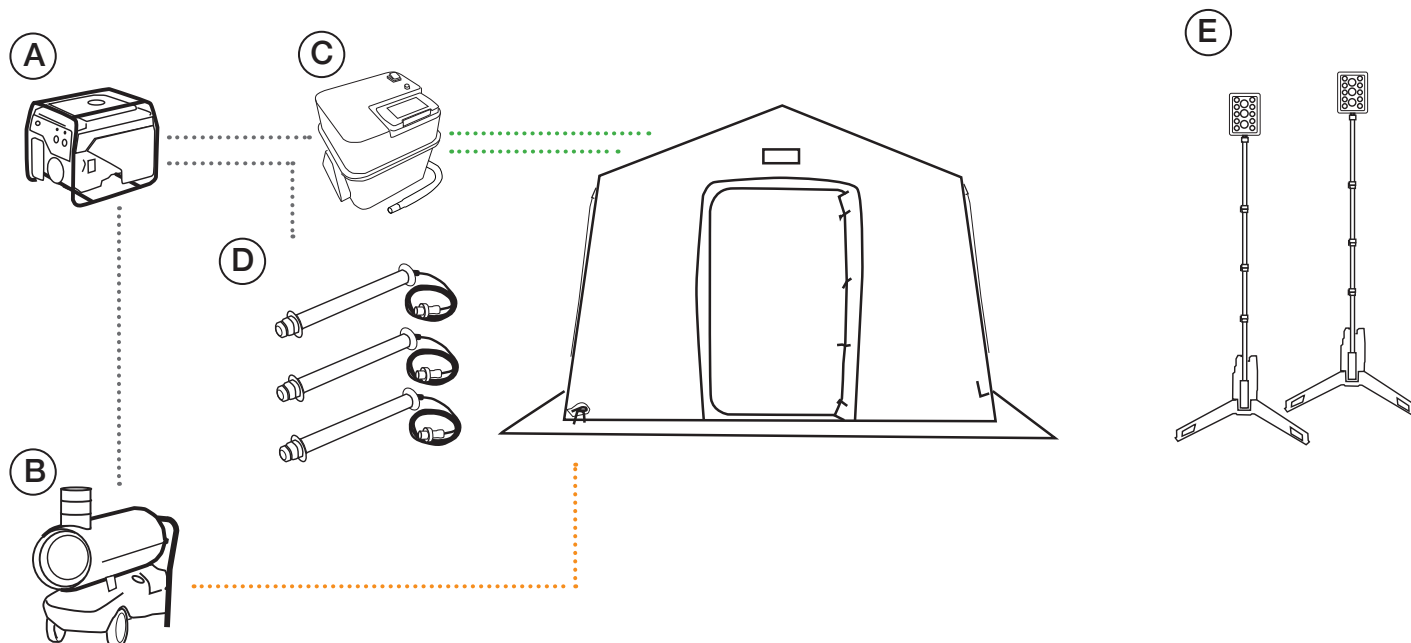


**Bravo 4 ALU R.E.D Hand
Pump**
(180001)



Electric Inflator GE1800 ARS
Automated inflation/deflation unit
that maintains shelter pressure
110v - 180052/001
230v - 180056/001

ACCESSORY SCHEMATIC



(A)



Generator
Ford 6kW 4-stroke petrol
(190500)

(D)



Waterproof LED Interior Lights
23W, 2300 Lumens
(TBD*x SLZ2323/5/01DWD - IP67 Lamp)
(TBD*x SLZ005 - Hanging kit)

**We recommend 1x Lamp and hanging kit for every 4m² of floor area. When the shelter is used for medical treatment or detail work this number should be doubled.*

(B)



Heater & Ducting
Oil fired space heater
20kw (71,700 BTU) heat output
SH9150
(1x Heater)
(1x High temp air hose)

(E)



Waterproof LED Exterior Rechargeable Flood Lights - Max 16,000 Lumens
(2x NSSOLARISPRO)

(C)



GE1800 ARS Electric Inflator
Scoprega 110V Automatic refill inflator
(1x 180052/001)
Equipment for inflation from compressed air cylinder also available (see previous page)

COLOURS	Flame Retardant Material		Non-Flame Retardant Material	
	Self-Colour Roof	White Roof	Self-Colour Roof	White Roof
White	 001	-		
Green	 104	 004		
Orange			 106	 006
Yellow			 105	 005
Red			 102	 002
Black			 107	 007

MATERIAL SPECIFICATIONS	Test Method	Flame Retardant Material	Non-Flame Retardant Material
Base Fabric	-	HT Nylon	HT Nylon
Yarn	-	210 Denier	210 Denier
Total Weight	ISO 3801	265 +/- 20 gsm	265 +/- 20 gsm
Tensile Strength (a)	ISO 13934-1	1200 / 1000 N/50mm	1200 / 1000 N/50mm
Tensile Strength after aging 168 hrs @ 70°C	ISO 13934-1	> 90% of (a)	1200 / 1000 N/50mm
Trapezoidal Tear Strength (b)	ISO 9073-4	> 45 / 36 N	60 / 53 N
Trapezoidal Tear Strength after aging 168 hrs @ 70°C	ISO 9073-4	> 90% of (b)	59 / 52 N
Adhesion	ISO 2411	> 180 N/50mm	> 300 N / 50mm
Adhesion after aging	ISO 2411	> 150 N/50mm	> 300 N / 50mm
Welded Seam Strength	ISO 2411	-	155 / 127 N/cm
Welded Seam Strength after aging	ISO 2411	-	170 / 140 N/cm
Flex Cracking Resistance (9000 cycles)	ISO 7845-A	Pass	Pass
Water Column (Hydrostatic Head)	BS 3424	-	> 15 000 mm
Flammability	FR 25.853 (a)(1)(iv)	Pass	
Complies with		ISO 12402-7 TSO c13f	ISO 12402-7