



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 the heavy-duty detachable floor allows the shelter to be lowered over a vehicle or casualty if required.

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

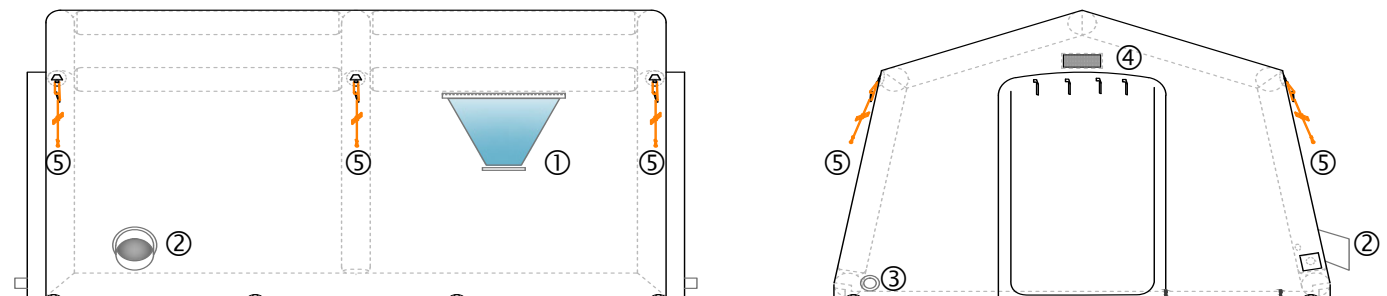
USED FOR

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

TECHNICAL DATA	9	12	16	20	25	30	36	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/51/001
Length (cm)	300	400	400	500	500	600	600	850
Int. Length (cm)	300	400	400	500	500	600	600	850
Width (cm)	300	300	400	400	500	500	595	595
Int. Width (cm)	263	263	353	353	453	453	534	534
Height (cm)	263	263	280	280	290	290	308	308
Int. Height (cm)	238	238	254	254	265	265	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)	120 x 66 x 41	120 x 66 x 41	130 x 66 x 50	130 x 66 x 50	140 x 80 x 66	140 x 80 x 60	140 x 80 x 60	160 x 80 x 66
Weight (kg)	36	45	58	68	78	88	105	125

*All codes above are for white shelters - 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

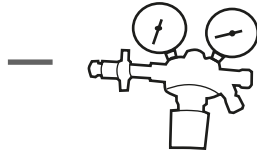
OPTIONS

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

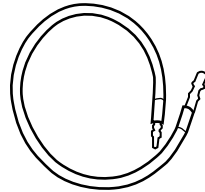
OPTIONS FOR INFLATION



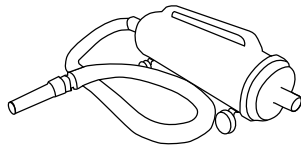
B.A. Cylinder
(By others)



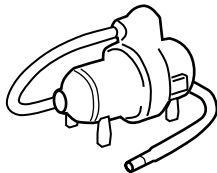
8 bar Regulator
(RE0034)
Regulator with
fixed hose
(RE0034/006)



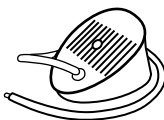
1m Delivery Hose
(Supplied with sled
HS-04-05-01-27-06)



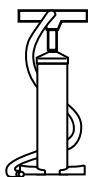
**Master Blaster
Electric Inflator**
(180041 - 240v)
(180042 - 110v)



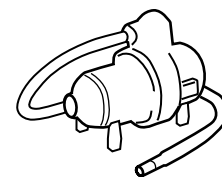
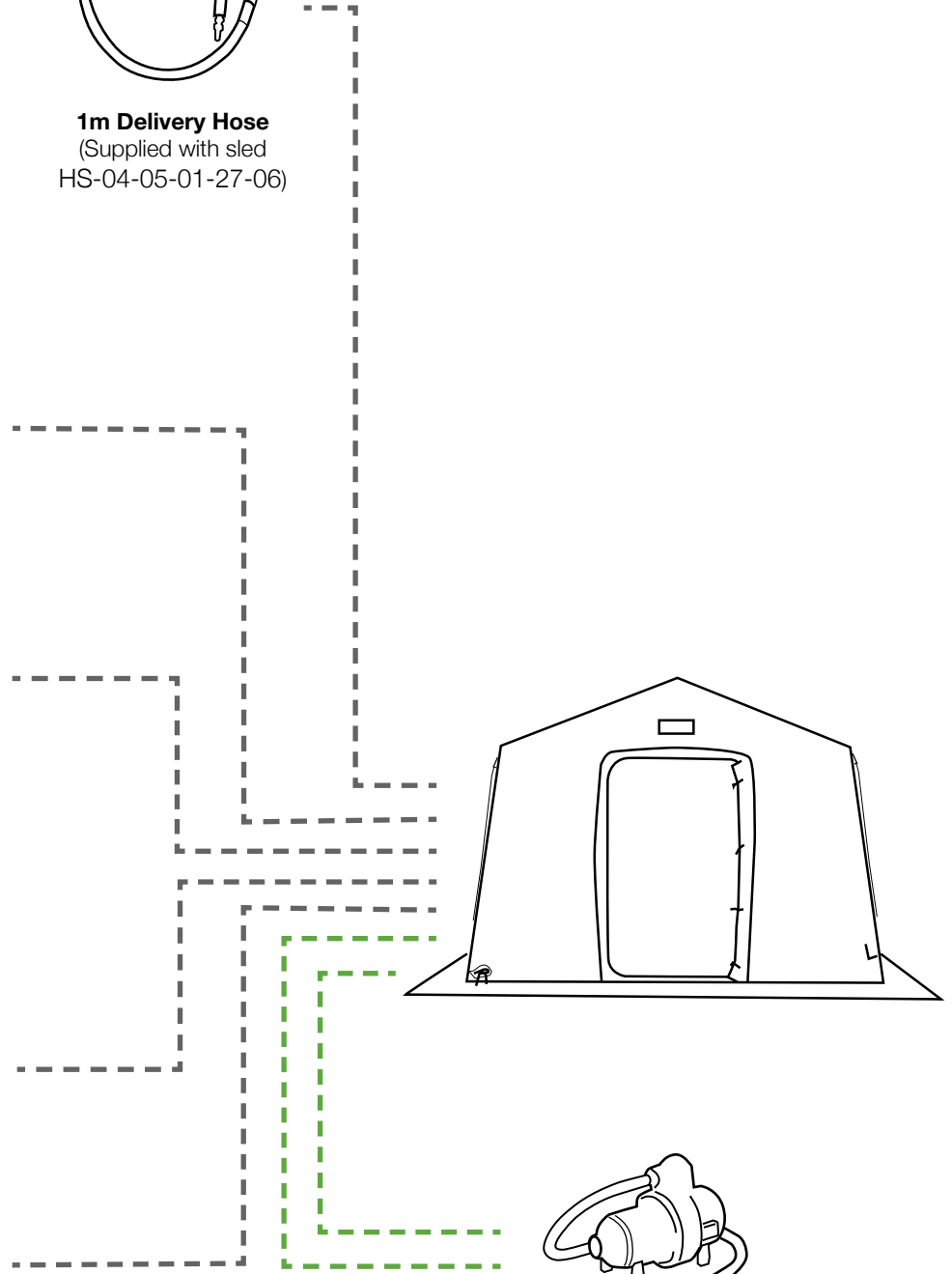
**Bravo2000
Electric Inflator**
(180026)



**Bravo10 Foot
Pump**
(180006)

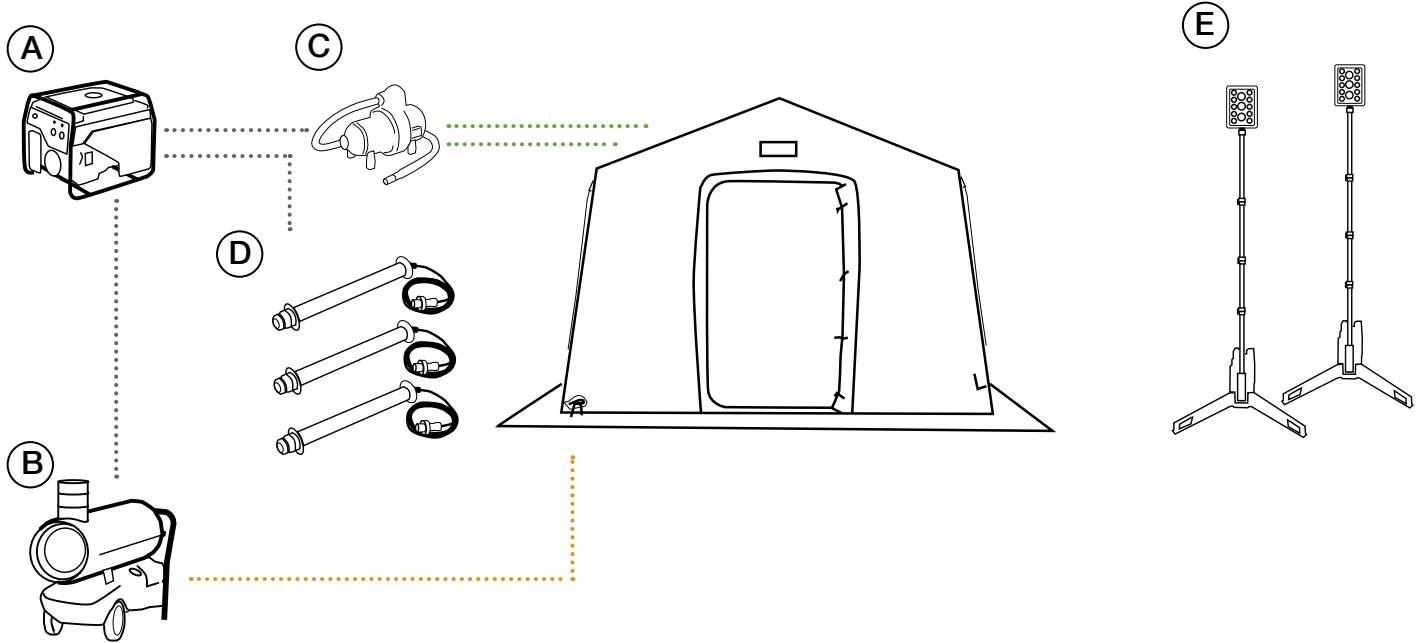


**Bravo 4 ALU R.E.D Hand
Pump**
(180001)



ARS Inflater
Automated inflation/deflation unit
that maintains shelter pressure
(SP0155)

ACCESSORY SCHEMATIC



A



Generator
Honda 5.5kW 4-stroke petrol
(1x EG5500CL)

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
Small heater - for a single shelter
32kw heat output
(1x 1101503 - Heylo KS30T Heater)
(1x 91250069 - High temp air hose)

Larger Heater - up to three shelters -
83kW heat output
(1x 1101600 - Heylo K80)
(1x 1200011 - Outlet plate)
(3x 1250081 - Air hose - 7.5m)
(3x 1250091 - Hose clamps)

E














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

C



ARS Electric Inflater
Bravo Automatic inflater
(1x SP0155)

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		-		
Green				
Orange				
Yellow				
Red				
Black				

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