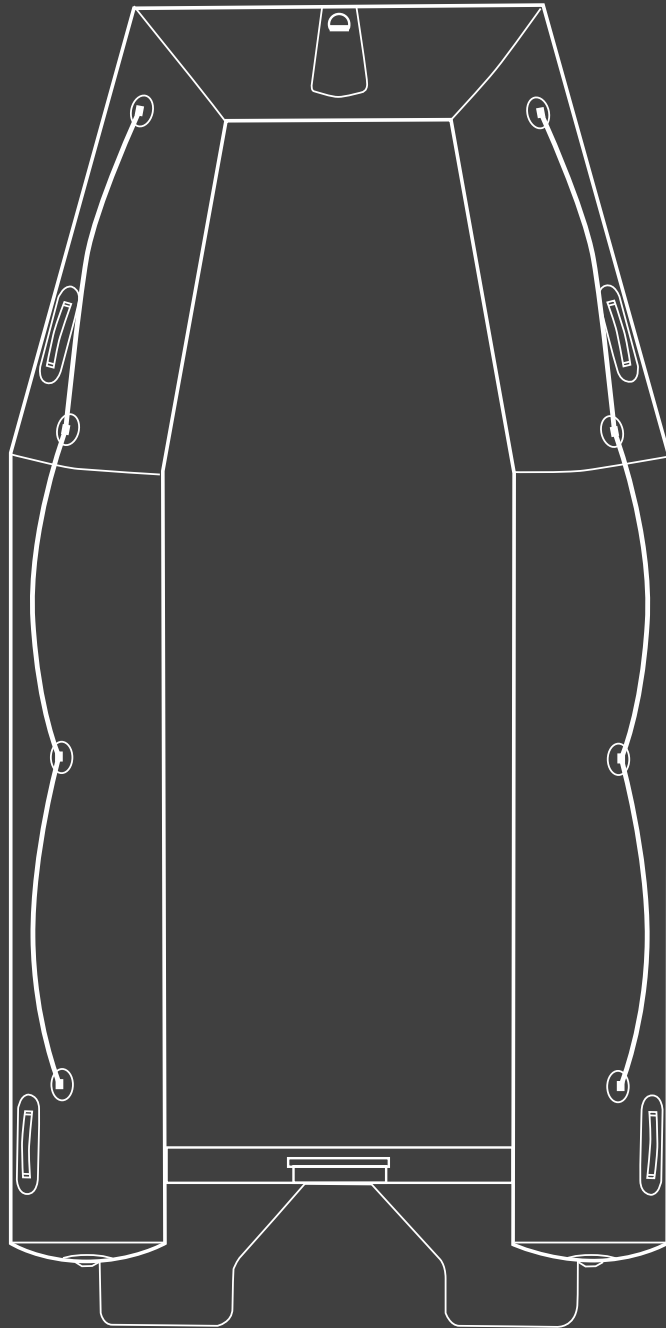


# Multi-Function Craft



**MFC**International  
*by RESPIREX*

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# MULTI-FUNCTION CRAFT



Lightweight and easy to transport, the inflatable Multifunction Craft range provides a flexible operational platform that can be quickly deployed where needed to carry large numbers of people or equipment.

Suitable for use with two or four stroke short shaft outboard motors up to 30hp (max engine weight 65kg), the twin keel design of the Multifunction Craft means that they are stable and highly manoeuvrable. Without a motor fitted the craft can be towed or line controlled. The low pack weight allows the craft to be carried by a two or three man team (depending on the model) to a suitable launch point.

Ideal for urban or rural flood evacuation and the movement of personnel, equipment or supplies, the large flat deck allows up to 14 people, or one tonne of equipment, to be carried (MFC5000 model).

Depending on the outboard engine the flat-bottomed design and shallow draft make the craft suitable for use in shallow waters from approximately 40cm deep. Without the motor an empty Multifunction Craft will float in 10cm of water. The flat, rigid floor of the Multifunction Craft offers a comfortable, dry and stable platform for passengers, while the inflatable tubes provide a reassuring support to lean against.

## FEATURES

- Can be deflated and stored in a carrying valise. The boat, motor and the crew PPE equipment will fit in the back of a small van, therefore no need for a trailer, can be carried by 2-3 people
- Rapid inflation and deployment (less than 5 minutes)
- Fitted with central bow towing point and bridal attachment points. Additional towing points are fitted onto the transom
- The large usable deck area allows up to 14 people or one tonne of equipment to be carried (MFC5000)
- The comfortable Inflatable deck reduces crew fatigue compared with boats with rigid decks
- The flat front provides easier bow boarding and a greater usable interior space
- Self-filling/draining water ballast chambers on the outboard side of each keel help to increase low speed lateral stability in choppy waters and act as counterbalance when recovering a casualty over the side tube.
- Twin keel design produces minimal wake, reducing potential damage to river banks and offers excellent manoeuvrability
- Minimal training, servicing and maintenance costs

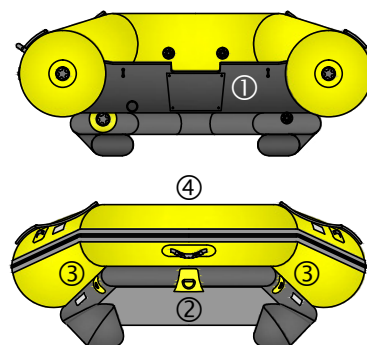
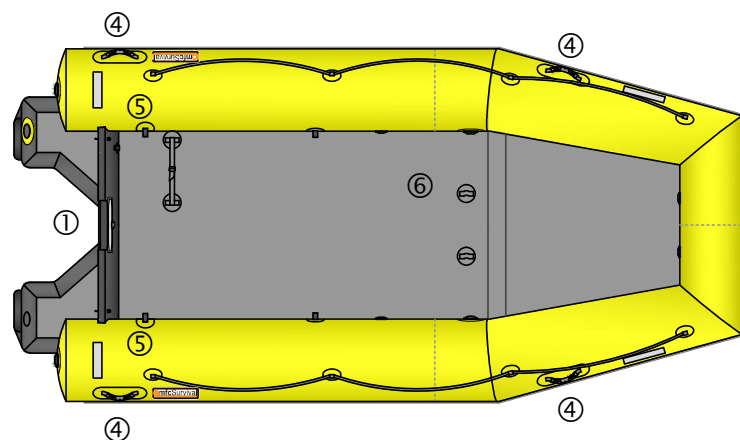
## USED FOR

- River rescue
- Coastal and urban flood recovery
- Casualty recovery
- Shallow water rescue

# MULTI-FUNCTION CRAFT

TECHNICAL DATA	MFC4000	MFC4500	MFC5000
Product Code	WR0206	WR0207	WR0208
No. of persons	10	12	14
Length (cm)	400	450	500
Width (cm)	200	217	217
Height (cm)	84	84	84
Tube Diameter (cm)	48	48	48
Working Pressure - Tube (bar)	0.2	0.2	0.2
Working Pressure - Floor (bar)	0.4	0.4	0.4
Capacity (kg)	800	960	1050
Air Requirements (ltr)	2900	3300	3500
Pack size (cm)	140 x 50 x 35	165 x 55 x 35	165 x 55 x 35
Weight (kg)	52	58	60
Recommended regulator	8 bar	8 bar	8 bar

## DETAIL DRAWING



## STANDARD EQUIPMENT

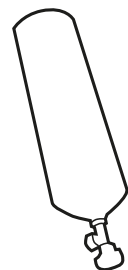
- ① Transom with motor clamp plate, towing u bolt & drain plug
- ② Front towing D-ring
- ③ Towing bridle attachment points
- ④ Carrying handles (x5)
- ⑤ T-handle paddles and retaining straps
  - Valise
  - 1m delivery hose (for use with regulator)
  - Repair kit

## OPTIONS AND ACCESSORIES

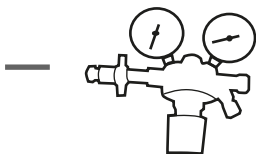
- Flexible fuel tank & attachment points
- T-handle paddles
- Grab handles
- Equipment stowage points
- Stowage pocket
- Customer branding
- Inflation pumps (various options, see website)
- 8 bar regulator

# MULTI-FUNCTION CRAFT

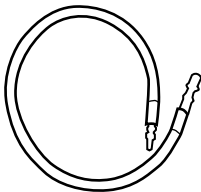
## OPTIONS FOR INFLATION



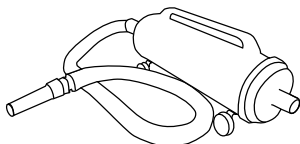
**B.A. Cylinder**  
(By others)



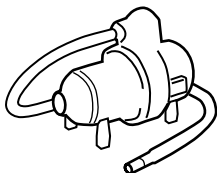
**8 bar Regulator**  
(RE0034)  
Regulator with  
fixed hose  
(RE0034/006)



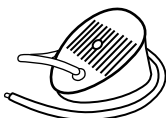
**1m Delivery Hose**  
(Supplied with craft  
HS-04-05-01-16-06)



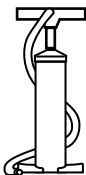
**Master Blaster  
Electric Inflator**  
(180041 - 240v)  
(180042 - 110v)



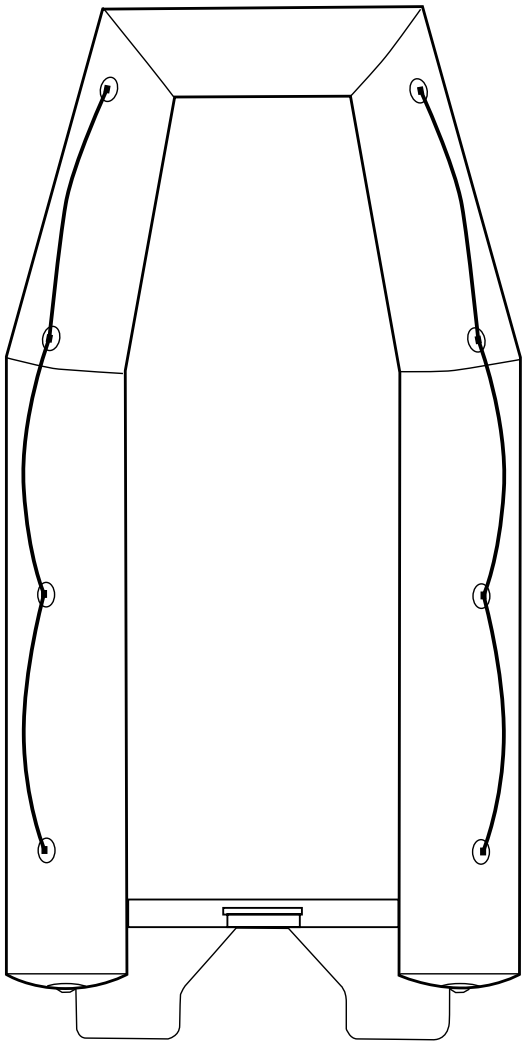
**Bravo2000  
Electric Inflator**  
(180026)



**Bravo10 Foot  
Pump**  
(180006)



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



# STANDARD REGULATOR



The Standard Regulator is designed to be used with an air cylinder to reduce the amount of pressure which is leaving the cylinder and entering the inflatable product.

The regulator contains a shut off valve which stops the air flowing through the hose.

## FEATURES

- Manufactured to ISO 2503
- Max. Input pressure 300 Bar
- Available as a regulator only or with attached hose and coupling/fitting
- Supplied with padded storage box

## USED FOR

- Reducing BA cylinder pressure for inflation of rescue equipment

## SUPPLIED WITH

- Hard shell carry case

## TECHNICAL DATA

## 8 BAR REGULATOR

Single Stage Regulator	8 bar
Product Code (regulator only)	RE0034
Product Code (regulator & 2m 'inflation' hose) <i>With C7 hose fitting for inflatable shelters, boats etc</i>	RE0034/006
Max. Pressure Gauge	0-400 / 300 bar
Working Gauge	0-16 / 8 bar
Max. Inlet Pressure	300 bar
Working Pressure	0-8 bar adjustable
Max. Output	30 m <sup>3</sup> /h compressed air at 8 bar
Pack Size (mm)	210 x 195 x 75
Weight (kg)	1.5
Outlet Coupling (regulator)	Series 26 Female



# METRO MASTER BLASTER INFLATOR



The Master Blaster Inflator / Deflators twin motor assembly is ideal for rapid inflation of larger structures and inflatables.

The patent twin fan motor assembly ensures 100% duty cycle to ensure continuous inflation/deflation.

## FEATURES

- The Master Blaster Inflator/Deflator has a robust outer steel casing with an optional choice of mounting platforms.
- Fitted with 2x heavy duty commercial 1200 Watt 5.5 Amp motors.
- The patent twin fan motor assembly ensures 100% duty cycle to ensure continuous inflation/deflation.
- 12 month warranty
- Low maintenance with just regular cleaning/changing of the foam filter to ensure good airflow to cool the motor & prevent overheating, ensuring long life.

## USED FOR

- Inflation/deflation of our inflatable product range

TECHNICAL DATA	240 Volt AC Model	110 Volt AC Model
Part No:	180041	180042
Construction:	All Steel	All Steel
Motor:	8.0 peak HP, (two motors)	8.0 peak HP, (two motors)
Airflow:	297 m/s	58,000 ft/min
Fan:	2-Stage Dual Fan	2-Stage Dual Fan
Power:	2160 Watts	2160 Watts
Current Draw:	9 Amps	18 Amps
Hose:	1.5m x 38mm Heavy Duty Hose	5ft x 1.5" Heavy Duty Hose
Nozzle:	Nozzle and Bayonet Connector	Nozzle and Bayonet Connector
Cable:	3.6m Heavy Duty	12ft Heavy Duty
Plug:	13A 240V UK or 2 Pin European	16A 110V 4h OP44 plug
Filter:	Foam Filter (Washable)	Foam Filter (Washable)
Dimensions:	550 x 260 x 165mm	21.7 x 10.25 x 6.5"
Weight:	7.95 kg	17.5 lbs

# BRAVO 2000 ELECTRIC INFLATOR



The Bravo 2000 electric inflator consists of a main motor and a supplementary (booster) motor, which increases the capacity and pressure. The two motors can run simultaneously to obtain maximum capacity and pressure.

On the Bravo 2000, you can press the orange button to just run the main motor, or you can press the red button to switch on the booster to help obtain maximum performance. Both motors are protected by thermal fuses.

## FEATURES

- Inflates and deflates
- Has a robust outer steel casing for additional protection
- Fitted with main motor and a booster motor to increase capacity and pressure
- 3m integral mains power lead comes with 2 pin plug\*
- Comes with an inflation hose, 7 different adapters and a shoulder carry strap

## USED FOR

- Inflation/deflation of our inflatable product range

## TECHNICAL DATA

Bravo 2000 Electric Inflator	
Product Code	180026
Voltage Supply	230V (Main Motor) 230V (Booster)
Max. Power	1000W / 2000W
Max. Pressure	140 mbar (2 psi) / 400 mbar (5.8 psi)
Max. Flow Rate	1200 l/min / 2000 l/min
Dimensions	32 x 17 x 26 cm
Weight	4.1 kg



# BRAVO FOOT PUMP



The Bravo 10 foot pump utilises an innovative design to make inflating and deflating a tube as effortless as possible. It has two chambers, one 5 litre (high volume, low pressure) which inflates to 2.1 psi and one 1.6 litre (low volume, high pressure) which inflates to 4.4 psi.

It also features an over inflation warning system in the form of a visual pressure indicator, crush resistant hose, anti slip feet and valve adapters. Manufactured from strong nylon reinforced fibreglass, this provides a powerful, lightweight pump which is unaltered by exposure to the sun and sea environment.

## FEATURES

- Manufactured from strong nylon reinforced fibreglass
- Unaffected by the sun or sea environment
- Lightweight due to the use of synthetic materials
- Features four antislip feet for greater stability
- Supplied with a non-kink hose and a selection of interchangeable valve adaptors and nozzles

## USED FOR

- Inflation/deflation of our inflatable product range

## TECHNICAL DATA

### Bravo 10 Foot Pump

Product Code	180006
Materials	Nylon Reinforced Fibreglass
Capacity	5 ltr (normal pressure) / 1.6 ltr (high pressure)
Dimensions	35 x 25 x 8 cm
Max. Pressure	800 mbar (11.6 psi)
Weight	1.9 kg
Colour	Grey with Yellow Hose*

# BRAVO 4 ALU R.E.D. HAND PUMP



The Bravo 4 ALU R.E.D (Reduced Effort Device) is a double action hand pump that automatically adjusts for easier pumping.

The hand pump automatically switches to downward pumping only once the pressure exceeds 400 mbar (5.8 psi), allowing you to blow up your inflatable product quickly and efficiently.

## FEATURES

- A powerful double action hand operated pump with a double chamber allowing a maximum of 4000cc (2 x 2000cc)
- Automatically changes from double to single action at 400 mbar (5.8 psi) to reduce effort at higher pressures
- Features an aluminium shaft handle for durability
- Anti-sand cover gasket

- Inflates and deflates
- Pressure up to 800 mbar (11.6 psi)
- Supplied with non-kink hose and a selection of interchangeable valve adaptors and nozzles

## USED FOR

- Inflation/deflation of our inflatable product range

## TECHNICAL DATA

### Bravo 4 ALU R.E.D Hand Pump

Product Code	180001
Materials	Plastic with aluminium shaft handle
Capacity	2 x 2000 cc
Dimensions	11 x 22 x 47 cm
Max. Pressure	800 mbar (11.6 psi)
Weight	0.75 kg
Colour	Blue*

\* Note: Colour of product may vary.

## Maintenance Instructions

Please be sure that before and during the use, the pump is fully lubricated by oil.

To lubricate the pump, open the ring nut and spread a thin layer of oil or grease on the gasket and the tube.





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