



MFC International

by RESPIREX

ENGINEERED INFLATABLE PRODUCT SOLUTIONS



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MFC International are a specialist manufacturer of inflatable rescue, recovery, survival and sewer maintenance equipment based in Tonypandy, South Wales. Our equipment is used by fire brigades, mountain and lowland rescue, utilities, the military and humanitarian support organisations internationally and we have earned an unrivalled reputation for our product quality, durability and performance.

Founded in 1959 at the old Naval Colliery site in Tonypandy, the company (then called MFC Survival) started by manufacturing life jackets and life rafts for the Royal Navy and South Wales commercial shipping ports. Over time the focus shifted towards the design and manufacture of specialist inflatable products for the defence and rescue industries.

MFC quickly became a respected name in the field of technical inflatable products and boasts an impressive history of innovation; we were the original inventor of airlift bags, the first to manufacture aircraft recovery bags and one of the first to introduce inflatable shelters.

In July 2013 MFC became part of the Respirex International group of companies, who enjoy a worldwide reputation for the manufacture, service and support of high performance chemical personal protective clothing and equipment.

Since becoming a part of the Respirex group there has been a renewed emphasis on product development, with a host of new product introductions including the RC4000 Rescue Craft, Recovery Board, Evacuation Raft and a range of Decontamination showers. The Rapid Response Shelters have been completely re-designed and the Stak Jak lifting mats are now being manufactured in our South Wales factory.

There has been continuous investment in new tools and machinery in our South Wales factory, including new presses to mould our own high pressure lifting mats and an autoclave for manufacturing our new range of products for sewer maintenance. This means the whole process from design to manufacture is carried out in under one roof. To reflect the expansion of our product range we changed the name of the business to MFC International in the summer of 2017.

WATER, MUD & ICE RESCUE



Rescue Sled



The RS Series Rescue Sleds are flood water rescue craft for inshore crisis rescues and flooded urban and coastal areas. The Rescue sled is available in seven standard sizes 3, 5, 6, 10 & 15 man. The 3, 5 & 6 person sleds are ideal for swift-water and narrow access rescue.

The 10 & 15 person sleds have a larger floor space and load capacity which are more suited for emergency evacuation situations. The RS10T & RS15T are fitted with a transom allowing them to be used with a small outboard motor even in shallow waters.

- Lightweight and easily portable
- Easy to maneuver
- Can be paddled or pulled by hand
- Exceptionally Stable
- Can be used in shallow water
- Open low stern makes casualty recovery easier
- Easily used by wheelchair users
- Exceptionally tough and durable
- Rapid inflation and deployment
- Easily launched into the surf zone for sea rescue, with a raised bow for improved performance in waves
- Open stern for easy access and self-bailing
- Minimal training, servicing and maintenance costs
- Individuals can sit on the floor surrounded by the inflated tubes, offering a comfortable and reassuring rescue environment

Used For:

- Crisis rescue
- Flood rescue
- River rescue
- Flooded coastal and urban areas
- Casualty recovery
- Shallow water rescue

Technical Data	RS3	RS5	RS6	RS10	RS15	RS10T	RS15T
Product Code	WR0001	WR0002	WR0169	WR0194	WR0005	WR0004	WR0006
No. Of Persons	3	5	6	10	15	10	14
O.A Length (cm)	256	331	397	400	500	400	500
O.A Width (cm)	117	117	117	190	231	201	217
O.A Height (cm)	40	40	40	56	77	71	71
Floor Thickness (cm)	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Tube Diameter Bow/Stern (cm)	23/15	23/15	23/15	35/23	46/23	48/23	48/23
Max. Load (kg)	240	400	480	950	1200	800	1050
Working Pressure	0.2	0.2	0.2	0.2	0.2	0.2	0.2
No. Of chambers	1+ floor	1 + floor	1+ floor	4+floor	4+floor	4+ floor	4+floor
Air Requirements (ltr)	530	670	710	2000	3800	2900	3500
Pack Size (cm)	88x35x30	88x35x30	88x35x30	88x55x35	90x70x52	140x50x35	165x55x35
Est.Weight (kg)	17	19.5	20.5	35	50	53	60
Recommended Regulator	8 Bar	8 Bar	8 Bar	8 Bar	8 Bar	8 Bar	8 Bar

Rescue Sled



STANDARD EQUIPMENT

Optional Equipment on Page 38

'D' Ring (x4)
(530033)



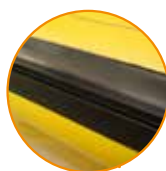
Kayak paddles
(190002)



Carrying Handles (x5)
(530015)



Rubstrake
(060136)



Towing 'D' Ring
(530012)



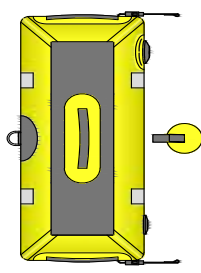
Lifelines (x2)
(530022)



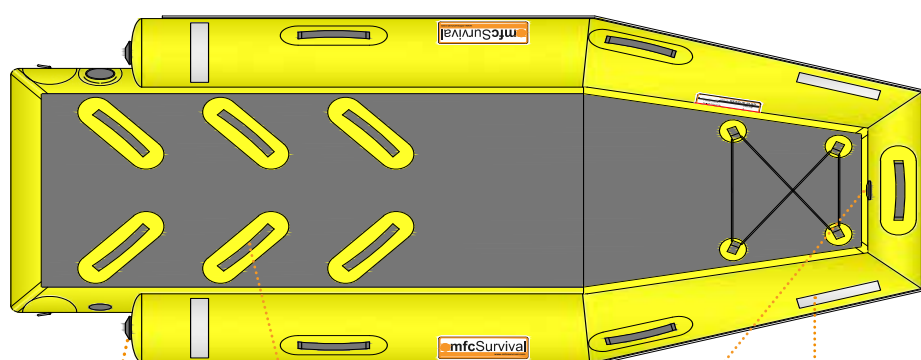
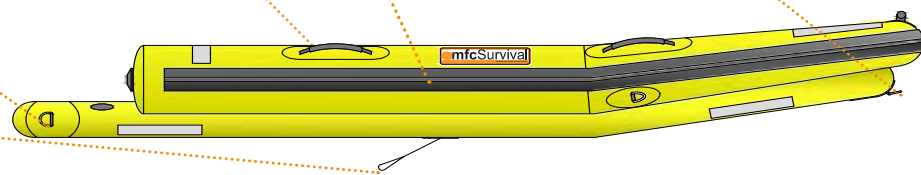
Righting Strap
(530013)



Repair Kit
(600001)



Optional bolster
(WR9088)



Delivery Hose (for use
with 8 bar regulator)
(HS-03-04-01-09-17)



Valise
(590018/590004
/590011)



**D7 Inflate/Deflate
Valve (x4)**
(050065)



Grab handles (x6)
(530014)



**A6 Relief
valve (x3)**
(050051)



Reflective Strip (x4)
(150005)

Evacuation Raft



Fully inflatable, the Evacuation Raft is lightweight and portable. It is easy to manoeuvre, and can be paddled or pulled by hand. The Evacuation Raft has a flat bottom, making it exceptionally stable and suitable for use in very shallow water from 50mm in depth. The Evacuation Raft is ideal in flood rescue situations.

The Closed stern has been designed to give rescued casualties an enhanced feeling of security when on board the raft. Once in the raft, individuals can sit on the floor surrounded by the inflatable tubes, providing a comfortable and reassuring rescue environment.

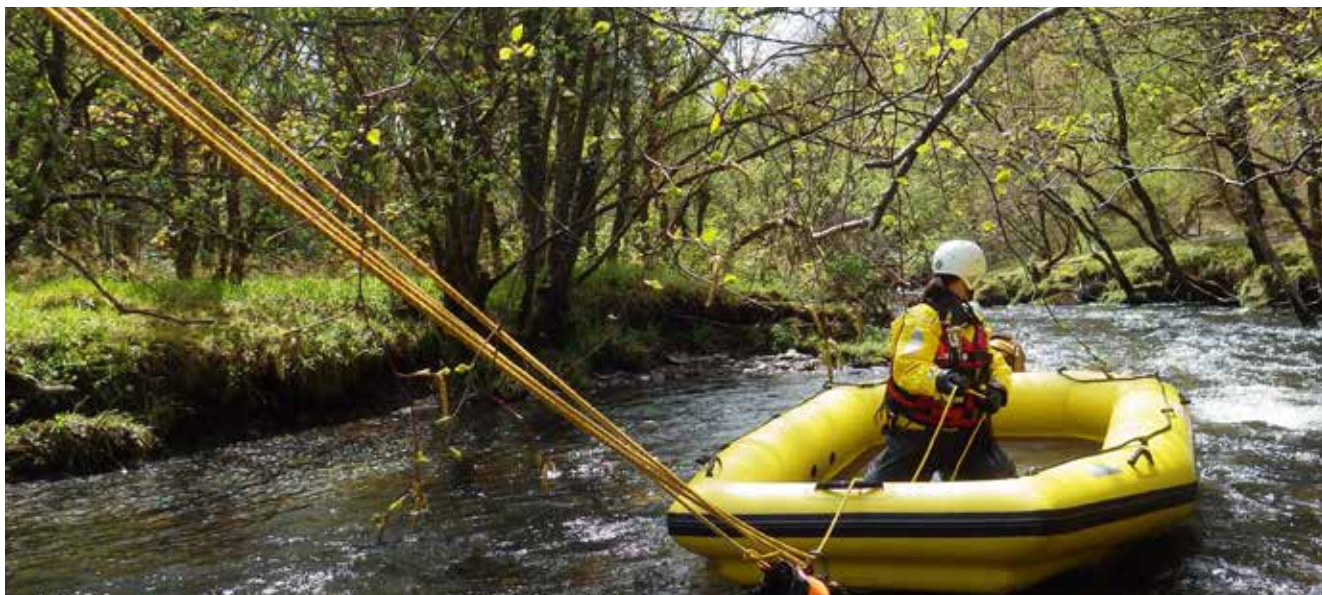
- Lightweight and easily portable
- Easy to manoeuvre
- Can be paddled or pulled by hand
- Exceptionally Stable
- Can be used in shallow water from 50mm in depth
- Closed stern to keep the deck dry and provides greater reassurance for casualties.
- Rapid inflation and deployment
- Easily Launched into the surf zone for sea rescue, with a raised bow for improved performance in waves
- Exceptionally tough and durable
- Minimal training, servicing and maintenance costs

Used For:

- Crisis rescue
- Flood rescue
- River rescue
- Flooded coastal and urban areas
- Casualty recovery
- Shallow water rescue

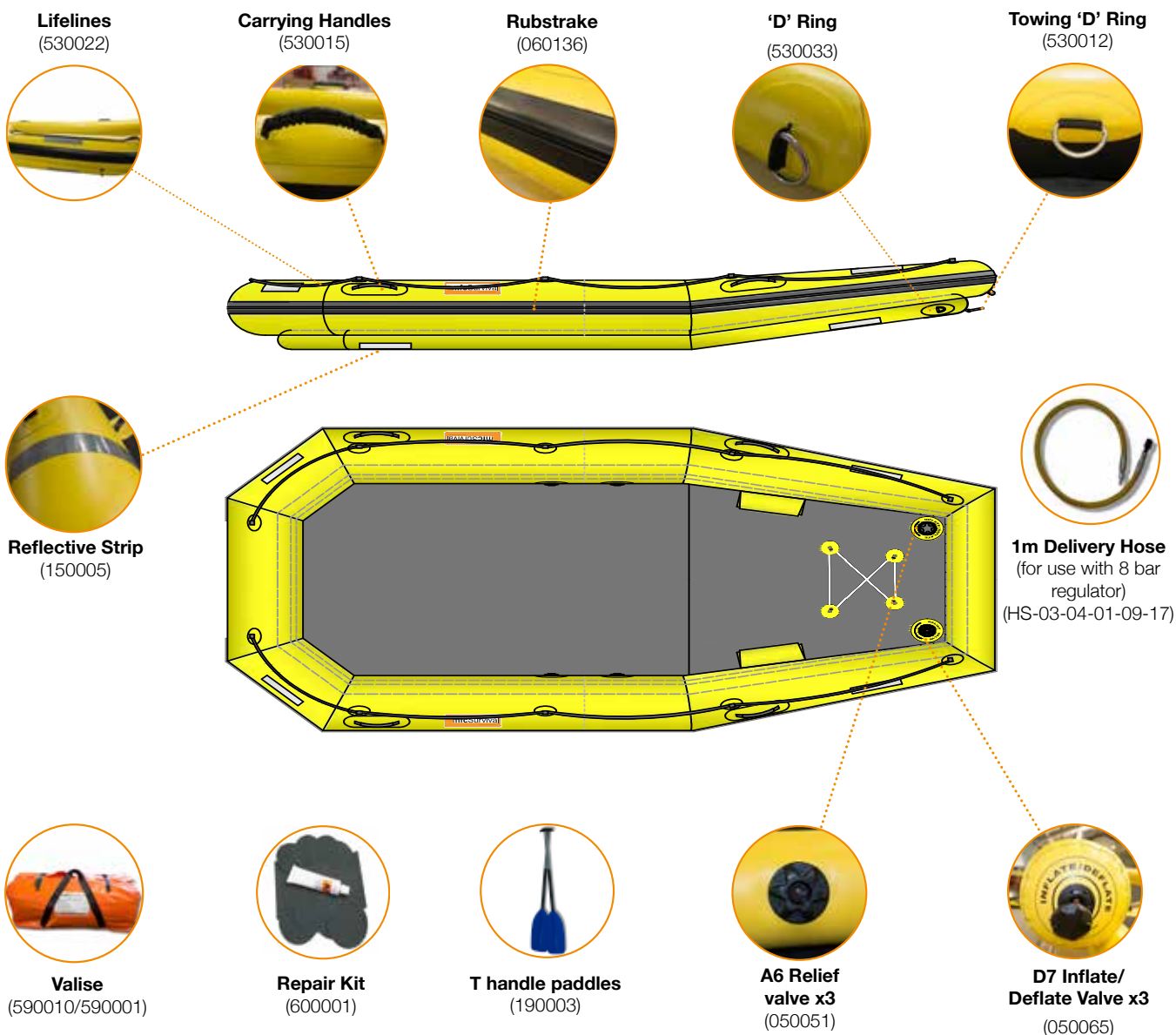
Technical Data	RS8ER	RS10ER
Product Code	WR0212	WR0214
No. Of persons	8	10
Length (cm)	350	400
Width (cm)	190	190
Height (cm)	56	56
Capacity (kg)	820	950
Air Requirements (ltr)	1815	2000
Pack size (cm)	88x50x33	88x55x35
Est. Weight (kg)	35	40
Recommended regulator	8 bar	8 bar

Evacuation Raft



STANDARD EQUIPMENT

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Rescue Platform (RP3)



The RP3 is an inflatable platform for the recovery of casualties primarily in shallow water, mud, ice and swamp environments. With catamaran style sponsons, the RP3 provides a stable working platform and with its large, flat, open-topped surface recovering casualties over the side is far simpler than with an equivalently sized rescue sled.

Where necessary the platform can be used in conjunction with a rescue craft, and is easily paddled or line transferred. The rescue platform packs away into a light and compact carrying valise, and is easily inflated using bellows, pumps or a B.A. cylinder and regulator.

- Lightweight and easily portable
- Exceptionally stable
- Can be paddled or Line transferred
- Can be used in conjunction with the Rescue Craft
- Acts as a transfer platform to facilitate easy recovery of casualties from the water, especially those on spinal boards.
- A variety of rigid stretchers can be located on top of the platform and subsequently manoeuvred to safety
- Non Slip top surface
- Versatile
- Minimal training, servicing and maintenance costs

Used For:

- Flood rescue
- Casualty recovery
- Casualty transportation
- River rescue
- Shallow water rescue
- Transfer platform

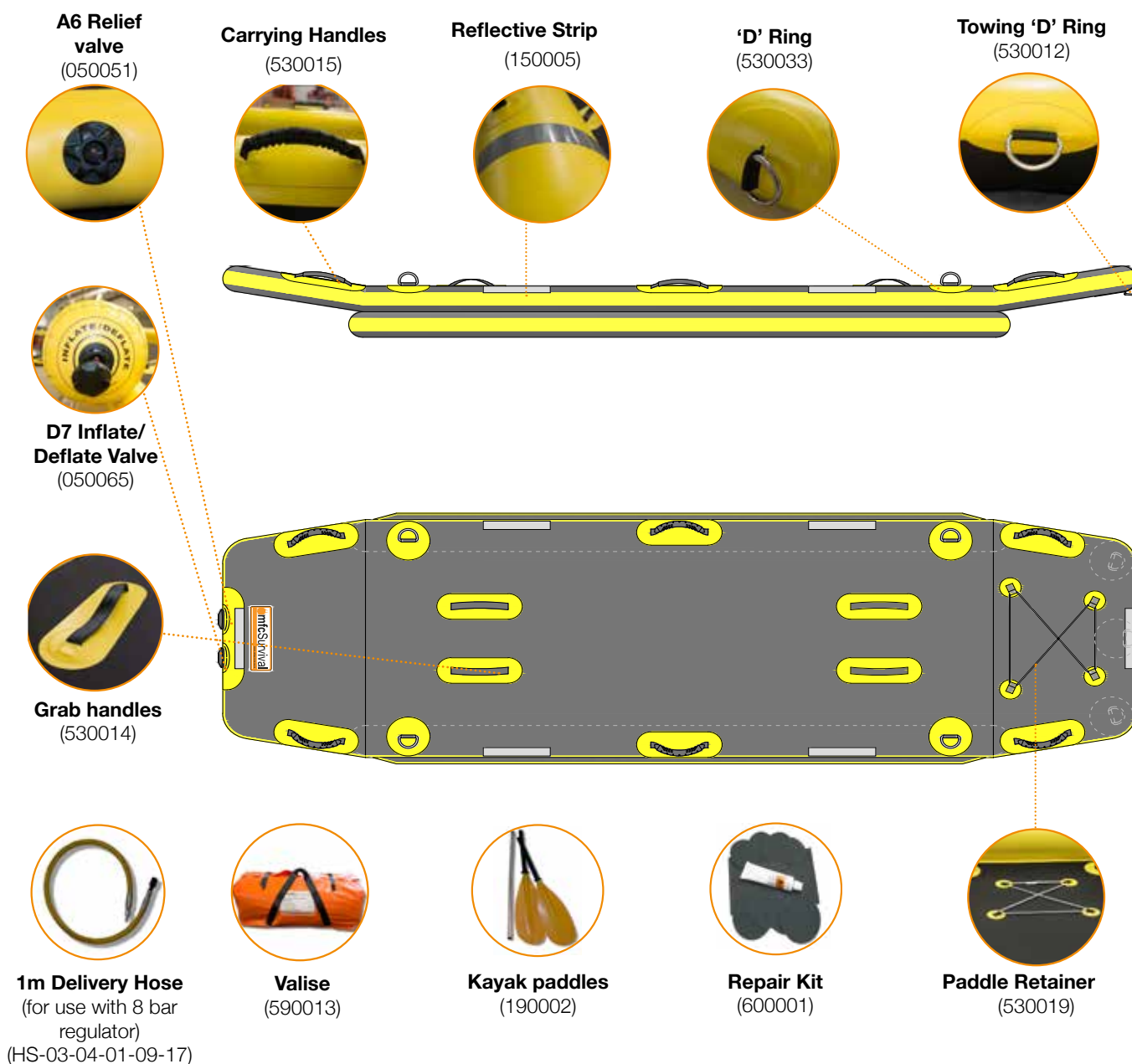
Technical Data	RP3
Product Code	WR0007
No. Of persons	3
Length (cm)	320
Width (cm)	98
Height (cm)	32
Capacity (kg)	240
Air requirement (litres)	570
Pack size (cm)	70 x 45 x 30
Est.Weight (kg)	15
Working pressure (bar)	0.2
Recommended Regulator	8 bar

Rescue Platform (RP3)



STANDARD EQUIPMENT

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Rescue Craft

Scope of Use EN ISO 6185-3: Category D Sheltered Waters



The RC4000 Rescue Craft is designed to exceed the performance of a conventional Inflatable flood rescue boat, while providing the shallow draft and ease of transportation of a rescue sled. The inflatable four meter design with twin keels and a rigid inflatable floor represents the latest thinking in flood rescue boat design.

- Suitable for use with 2 or 4 stroke short shaft outboard motors up to 30hp (max weight 65kg)
- Easy handling requires less crew effort
- 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 10 people or 800Kg of equipment to be carried
- 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
- Wide beam gives excellent Stability and increases floor area
- 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.
- Will operate in 10 cm of water without the motor fitted and can also be manoeuvred in shallow water by persons walking alongside
- With motor fitted it is suitable for use in shallow water >40cm (depending on the outboard engine)
- Twin keel design produces minimal wake, reducing potential damage to river banks and offers excellent manoeuvrability
- Fitted with internal grab handles (x4)
- Internal control line rings are provided for use with the bow and stern towing points for tandem boat operations
- External rings (x4) are fitted to the buoyancy tube for control line operations
- A high volume drain sleeve is fitted to the transom in addition to drain plug
- Minimal training, servicing and maintenance costs

Technical Data

RC4000

Product Code	WR0209
No. Of persons	10
Length (cm)	400
Width (cm)	200
Height (cm)	80
Tube Diameter (cm)	48
Capacity (kg)	800
Air Requirements (ltr)	3000
Working Pressure- Tube (bar)	0.2
Working Pressure - Floor (bar)	0.4
Pack size (cm)	140x50x35
Est.Weight (kg)	53
Max Engine, Short Shaft (HP)	25/30
Max Engine weight (kg)	65
Recommended regulator	8 bar

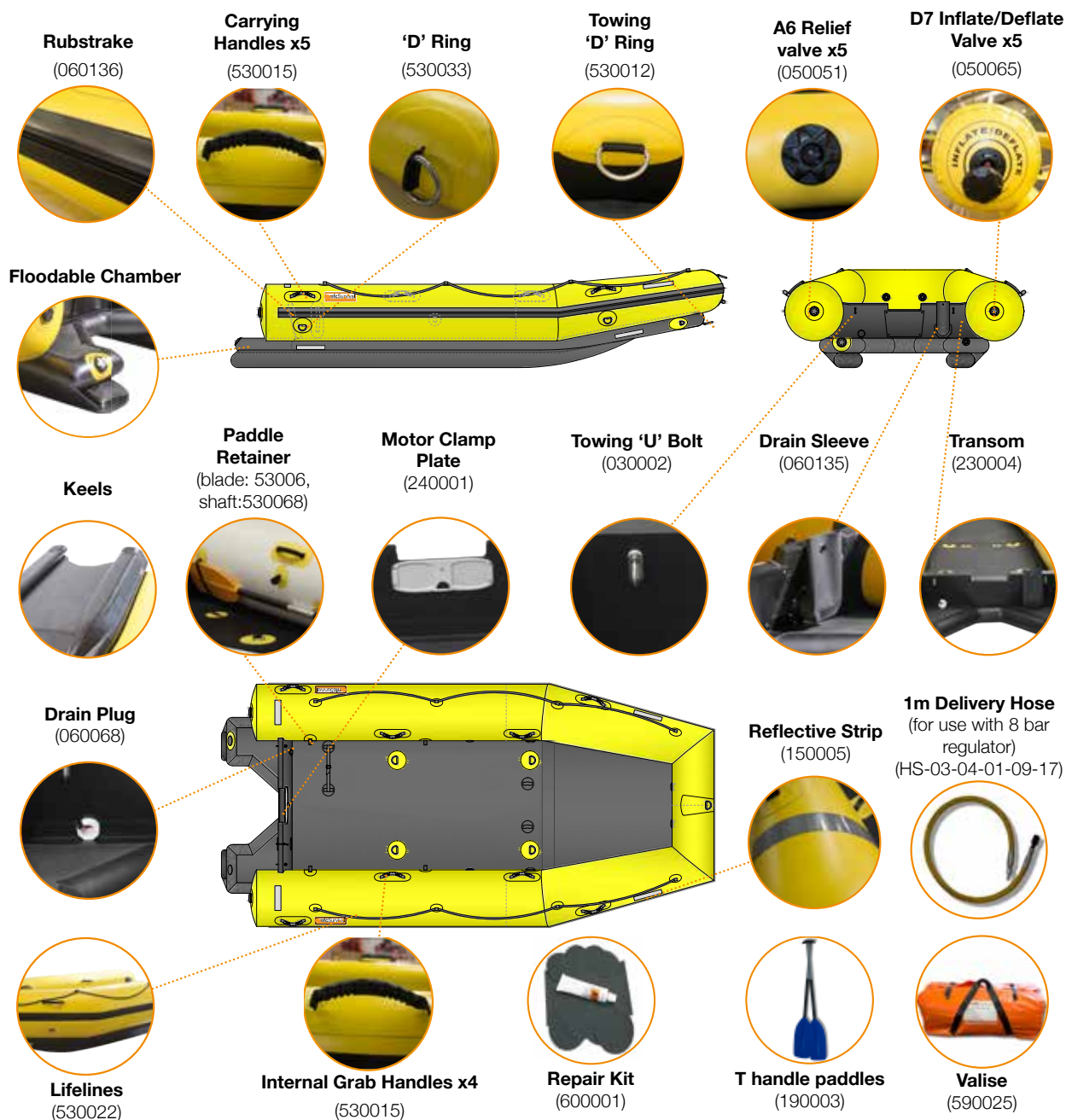
Used For:

- *Crisis rescue*
- *Flood rescue*
- *River rescue*
- *Flooded coastal and urban areas*
- *Casualty recovery*
- *Shallow water rescue*



STANDARD EQUIPMENT

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Multifunction Craft

Scope of Use EN ISO 6185-3: Category D Sheltered Waters



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 for flood rescue.

- Suitable for use with 2 or 4 stroke short shaft outboard motors up to 30hp (max weight 65kg)
- Easy handling requires less crew effort
- 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
- Wide beam gives excellent Stability and increases floor area
- 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.
- Will operate in 10 cm of water without the motor fitted and can also be manoeuvred in shallow water by persons walking alongside
- Suitable for use in shallow water >40cm deep (depending on the outboard engine)
- Twin keel design produces minimal wake, reducing potential damage to river banks and offers excellent manoeuvrability
- Minimal training, servicing and maintenance costs

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)	80	80	80
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)	140x50x35	165x55x35	165x55x35
Weight (kg)	52	58	65
Recommended regulator	8 bar	8 bar	8 bar

Used For:

- *Crisis rescue*
- *Flood rescue*
- *River rescue*
- *Flooded coastal and urban areas*
- *Casualty recovery*
- *Shallow water rescue*



STANDARD EQUIPMENT

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Hydrospeed (RS1)

Community Design Number:002742379



The RS1 is an inflatable hydrospeed craft for negotiating fast flowing turbulent water. Fully inflatable, the RS1 is light and portable. The raised, rounded bow and generous buoyancy make it fast and easy to manoeuvre whether you are traveling with, across, or against fast flowing water.

The user lays flat on the board holding onto the two handles that are situated at the front of the sled and wears fins on their feet for propulsion and steering. The hydrospeed is designed to go through white water with ease and speed.

- Lightweight and easily portable
- The raised, rounded bow and generous buoyancy make it fast and easy to manoeuvre
- Can be used to travel with, across or against fast flowing water
- Can be towed by a rescue craft
- The user will have fins on their feet for propulsion and steering
- Exceptionally tough and durable
- Rapid inflation and deployment
- Minimal training, servicing and maintenance costs

Used For:

- *White water rescue*
- *Leisure*

Technical Data	RS1
Product Code	WR0218
No. Of persons	1
Length (cm)	115
Width (cm)	91
Height (cm)	50
Tube Diam. (cm)	23
Capacity (kg)	150
Air Requirements (ltr)	190
Pack size (cm)	67x25x20
Weight (kg)	7
Working Pressure (bar)	0.2
Recommended regulator	8 bar

Hydrospeed (RS1)



STANDARD EQUIPMENT

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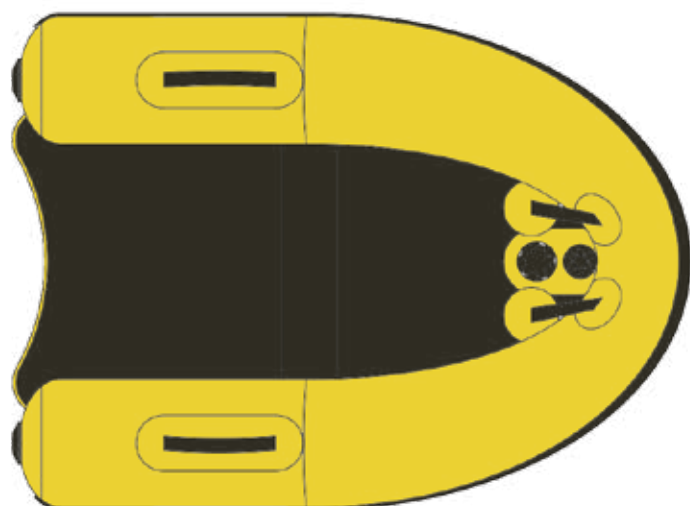
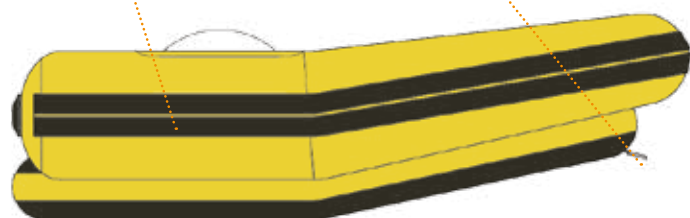
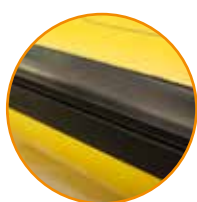
Rubstrake
(060136)

Towing 'D' Ring
(530012)

Grab handles
(530014)

A6 Relief valve
(050051)

D7 Inflate/Deflate Valve
(050065)



1m Delivery Hose
(for use with 8 bar
regulator)
(HS-03-04-01-09-17)



Valise
(590018)



Repair Kit
(600001)

Jet Ski Rescue Board

Community Design Number:002722967



The Jet Ski Rescue Board is an inflatable board that is designed to be attached to the back of a jet ski to aid rapid response and rescue of casualties. It is attached by a towing 'D' ring and two other 'D' rings which are located at the front of the inflatable board.

The board has 10 handles fitted around the top sides to make it easier for the casualty or rescue crew to hold onto the board whilst in use. The board is fully double skinned underneath for excellent durability. Fully inflatable the Jet Ski Rescue Board is lightweight and portable and can be quickly inflated when needed. The board deflates quickly and is easy to pack away into the valise provided.

- Lightweight and easily portable
- Used in conjunction with a Jet ski for a rapid response rescue
- Design has 10 handles to make it easier for the casualty or rescue crew to hold onto the board whilst in action
- The underside of the board is double skinned for maximum abrasion resistance
- Exceptionally tough and durable
- Rapid inflation and deployment
- Minimal training, servicing and maintenance costs

Used For:

- Surf rescue
- Flood & river rescue
- Casualty recovery
- Sea rescue
- Flooded coastal and urban areas
- Deep water rescue

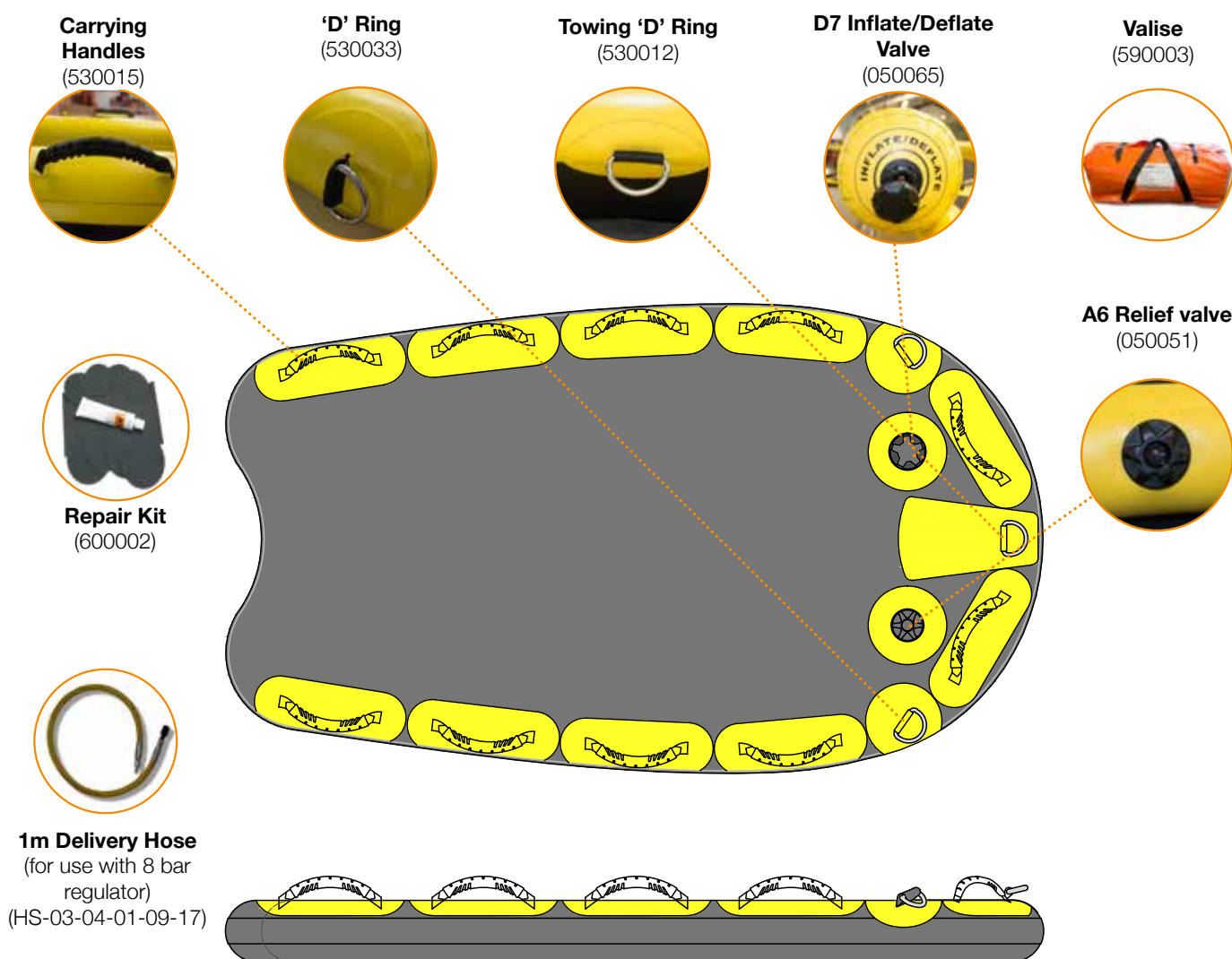
Technical Data	Jet ski
Product Code	WR0213
Length (cm)	160
Width (cm)	95
Height (cm)	12
Typical Load (kg)	150
Air Requirements (litr)	300
Pack size (cm)	97x32x17
Weight (kg)	9
Working Pressure (bar)	0.86
Recommended regulator	8 Bar

Jet Ski Rescue Board



STANDARD EQUIPMENT

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Airtrack Rescue Path



The Airtrack is an inflatable rescue path for accessing casualties during rescue on mud, ice and unstable terrain as well as water rescue. The rescue path is available in various lengths and several paths can be connected together both length ways or sideways.

- Lightweight and easily portable
- Twin sponsons on the underside of the Airtrack increase the stability in water and reduce the friction when used on mud
- Inflated from a single point for speed of inflation, with air transfer valves fitted between the path and the sponsons to isolate the separate chambers
- Non-slip top surface
- Strong and durable for a long service life
- Dropstitch construction creates a firm flat surface to walk on
- Reflective tapes are fitted for nighttime visibility
- Airtracks can easily be connected end to end using the joining hooks supplied
- Airtracks can also be connected sideways to create a rescue raft
- Can be used as a temporary pontoon, rescue raft, platform or access path
- Fitted with strong ground anchor points
- Stowage pockets are fitted to the end of the Airtrack each containing a rescue line and rubber ring
- Grablines are fitted to all sides of the Airtrack
- Towing points are fitted to both ends of the Airtrack
- Minimal training, servicing and maintenance costs

Used For:

- *Mud rescue*
- *River rescue*
- *Casualty recovery*
- *Flood rescue*
- *Ice rescue*
- *Unstable terrain*

Technical Data	2M	3M	4M	5M	10M
Product Code	WR0011	WR0012	WR0013	WR0014	WR0015
Length (cm)	200	300	400	500	1000
Width (cm)	137	137	137	137	137
Height (cm)	25	25	25	25	25
Max. Capacity (kg)	200	300	400	500	1000
Air Requirements (ltr)	640	960	1280	1600	3200
Pack size (cm)	82x48x24	87x48x28	87x48x32	87x48x35	89x73x50
Weight (kg)	12	17	22	28	55
Working Pressure (bar)	0.2	0.2	0.2	0.2	0.2
Recommended regulator	8 bar	8 bar	8 bar	8 bar	8 bar

Airtrack Rescue Path



STANDARD EQUIPMENT

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**Stowage Pocket
(x2)**
(530070)

Grab Lines
(080002)

**Grab Line
attachment**
(530003)

**Side Joining
Webbing**
(530006)

**A6 Relief
valve**
(050051)

Towing 'D' Ring
(530012)

**Joining Hook
(x2)**
(530005)

Reflective Strip
(150005)

Side Joining Rings
(530007)

Transfer Valve
(WR9105)

**D7 Inflate/Deflate
Valve**
(050065)

'D' Ring (x2)
(530033)

**Anchorage
Points**
(530009)

Throw Line
(080002)

Rubber Quoit
(060032)

Repair Kit
(600001)

1m Delivery Hose (for use
with 8 bar regulator)
(HS-03-04-01-09-17)

Valise
(590010/590011)

Animal Rescue Path



The Animal Rescue Path is a simple and adaptable pathway to aid the rescue of animals trapped in mud, ditches or soft ground. The path inflates to only 6.7cm high and has a smooth upper surface, providing a flexible, obstruction free platform to manoeuvre the animal on to and across to safety.

Easily portable, the Animal Rescue Path comes supplied in a compact carry bag and is available in two different lengths.

- Stable and robust
- Rapid inflation and deployment
- Low pressure
- Lightweight and portable
- Designed to minimise the distress caused to the animal
- Smooth upper surface
- Minimal training, servicing and maintenance costs

Used For:

- *Animal rescue*
- *Mud rescue*

Technical Data	5M	10M
Product Code	WR0195	WR0197
Length (cm)	500	1000
Width (cm)	134	134
Height (cm)	6.7	6.7
Weight (kg)	15.5	30
Air Requirements (ltr)	455	910
Pack size (cm)	66x34x25	70x45x30
Working Pressure (bar)	0.2	0.2
Recommended regulator	8 bar	8 bar

Animal Rescue Path



STANDARD EQUIPMENT

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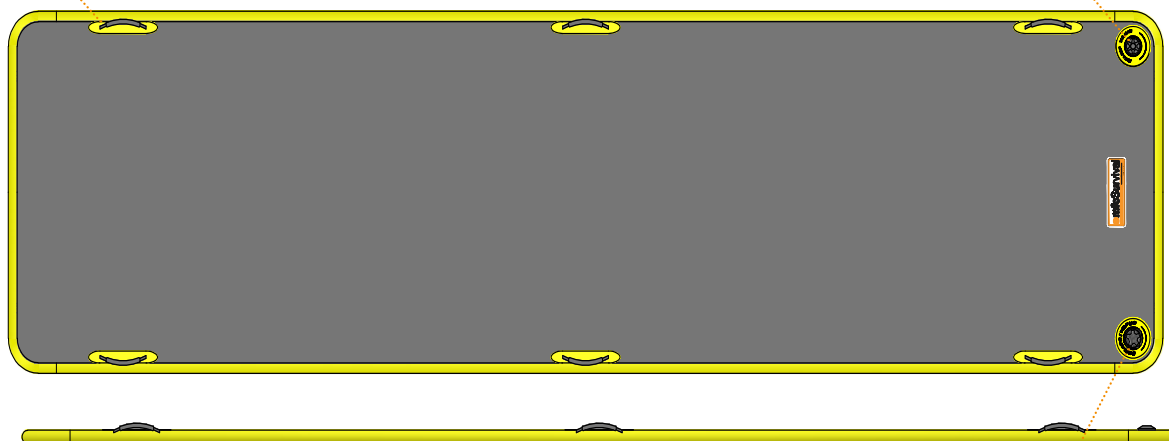
Carrying Handles x6
(530015)



Valise
(590012/590013)



D7 Inflate/Deflate Valve
(050065)



Repair Kit
(600001)



1m Delivery Hose (for use
with 8 bar regulator)
(HS-03-04-01-09-17)



A6 Relief valve
(050051)

Inflatable Stretcher

Community Design number: 001409809-0003



The Inflatable Stretcher is lightweight and is used to transport casualties in any rescue scenario. The stretcher is able to be packed down into a small back pack to make it easier for transportation.

The stretcher has been designed so that it is easy carry whilst in use, with three sturdy lifting handles located on either side of the product. The recovery board also has a multi-point quick release restraint harness for securing casualties during transport. It is ideal for casualty recovery in tight or difficult to reach areas. The compact size means it can be easily stowed in a vehicle, boat, helicopter or aircraft.

- Lightweight and easily portable
- Compact
- Easy to deploy
- Ideal for casualty recovery in tight or difficult to reach areas
- Individuals are secured with a quick release restraint harness
- The recovery board will comfortably accommodate adults up to 198cm (6'6") tall and 150kg(23.5st) in weight.
- Minimal training, servicing and maintenance costs

Used For:

- Transport casualties
- Mountain rescue
- Flood rescue
- Casualty recovery

Technical Data	Inflatable Stretcher
Product Code	WR0196
No. Of persons	1
Length (cm)	203
Width (cm)	69.5
Height (cm)	6.7
Capacity (kg)	150
Air Requirements (ltr)	100
Pack size (cm)	35x35x18
Est. Weight (kg)	5
Working Pressure (bar)	0.5
Recommended regulator	8 bar

Inflatable Stretcher



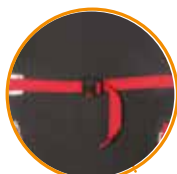
STANDARD EQUIPMENT

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Foot Securing Straps (530099)



Leg Restraining Straps (530101)



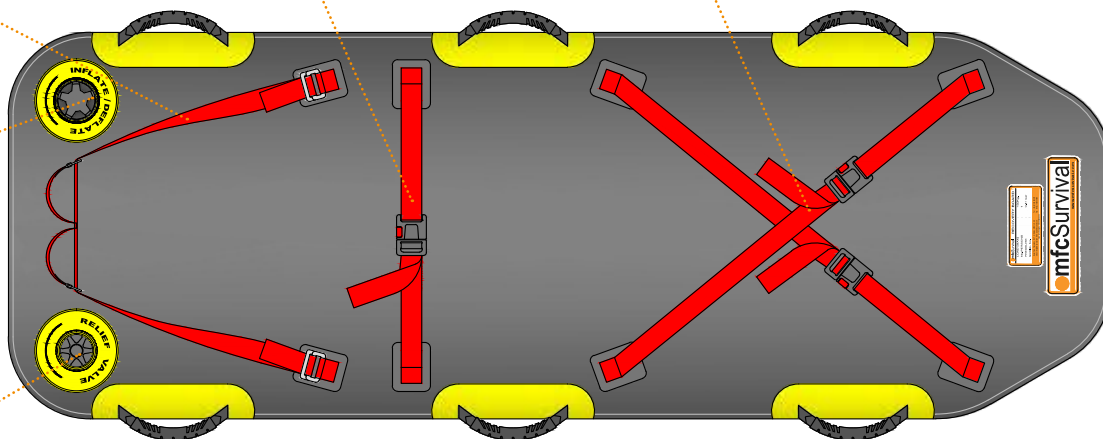
Chest Restraining Straps (530100)



D7 Inflate/Deflate Valve (050065)



A6 Relief valve (050051)



Rucksack (590002)



1m Delivery Hose (for use with 8 bar regulator) (HS-03-04-01-09-17)



Carrying Handles (x6) (530015)



Repair Kit (600001)

All Terrain Stretcher (API)

Community Design number:
001409809-0001 & 0002



The API Stretcher is a revolutionary rescue stretcher designed to provide safe handling of a casualty in an emergency rescue situation. Despite its robust construction, the API Stretcher is lightweight and easy for one person to carry, it is ideal for casualty recovery in tight or difficult to reach situations.

When deflated, the API Stretcher is compact and easily stowed on a vehicle, boat, helicopter or aircraft. The API rescue stretcher has undergone extensive trials by Mountain Rescue Teams that have proven it offers maximum mobility with minimum physical effort and manpower. It is used in Urban Search and Rescue and is also suitable for use in many different rescue scenarios.

- Ideal for casualty recovery in tight or of difficult to reach places
- Easily stowed on a vehicle, boat, helicopter or aircraft
- Can be carried, dragged or tobogganed over various terrains, including snow, sand, marsh and mudflats
- Can be lifted or hauled in the horizontal or vertical plane
- Supplied with an optional cover to provide all round protection from exposure
- Minimal training, servicing and maintenance costs

Used For:

- Crisis rescue
- Flood rescue
- River rescue
- Flooded coastal and urban areas
- Casualty recovery
- Shallow water rescue

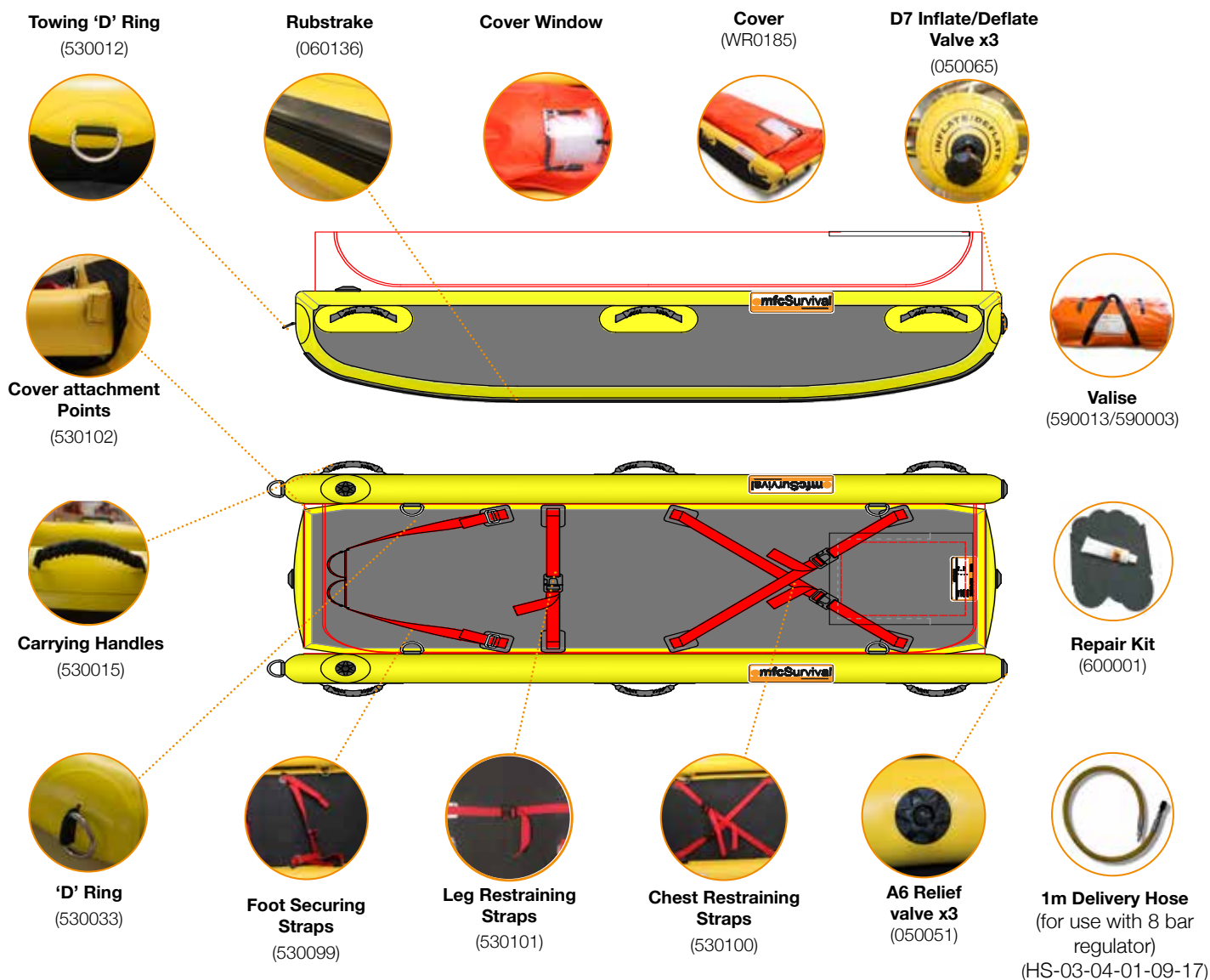
Technical Data	Narrow	Standard	Narrow Long	Standard Long
Product Code	WR0220	WR0219	WR0223	WR0222
No. Of persons	1	1	1	1
Length (cm)	215	215	255	255
Width (cm)	72	89	72	89
Height (cm)	41.5	41.5	41.5	41.5
Capacity (kg)	200	200	200	200
Air Requirements (ltr)	340	370	380	420
Pack size (cm)	70x45x30	70x45x30	70x45x30	70x45x30
Weight (kg)	11	11.25	12	12.5
Recommended regulator	8 bar	8 bar	8 bar	8 bar

All Terrain Stretcher (API)



STANDARD EQUIPMENT

Optional Equipment on Page 38



Hose Inflation Kit



The Fire Hose Inflation Kit provides a front line, first response solution for water rescue where the casualty is conscious and able to help themselves during rescue. This compact, robust kit can be deployed in seconds with ordinary fire hose and used in a number of different water rescue techniques. To use, simply connect the required lengths of hose together, fit the couplings from the kit to the ends of the hose system, and inflate. The system can then be deployed in various ways, depending on the prevailing conditions:

Line retrieval - The hose can be directed from a safe land position towards a conscious casualty and can then be retrieved with the casualty in tow.

Boom rescue - Used on flowing water, the inflated hose can be positioned at an angle across the flow to provide a buoyant lifeline for waterborne casualties. The angled boom allows a safe, controlled route to safety.

Alternatively, a line can be attached to the coupling and thrown to the opposite bank to provide a dam to catch casualties coming down in fast flowing water. It can also be used to contain small amounts of oil floating on the water surface.

- Deployed In Seconds
- Versatile
- Supplied in a compact portable case
- Shut-off cap/coupling with locking pin prevents accidental release
- Exceptionally tough and durable
- Minimal training, servicing and maintenance costs
- Optional inflation cap with Y Piece which includes a relief valve to reduce the need of a regulator

Used For:

- Crisis rescue
- River rescue
- Boom rescue
- Flood rescue
- Line retrieval

KIT 1	KIT 2	KIT 3	KIT 4
HIK001	HIK002	HIK003	HIK004
Carry Bag	Large Red Carry Case	Small Yellow Carry Case	Inflation Cap with Relief Valve
Hand-held 3 Bar Controller	Hand-held 3 Bar Controller	Scuba Regulator	End Cap
Scuba Regulator	Scuba Regulator	Inflation Cap with Relief Valve	-
Inflation Cap	Inflation Cap	End Cap	-
End Cap	End Cap	Delivery Hose	-
Inflation Hose 5m	Inflation Hose 5m	-	-
Delivery Hose 2m	Delivery Hose 2m	-	-

Hose Inflation Kit



KIT OPTIONS

KIT PRODUCT CODES

KIT 1: HIK001

KIT 2: HIK002

KIT 3: HIK003



Hand Held 3 bar Controller (CO0067)



Scuba Regulator (RE0036)



Inflation cap (WR9106)



Inflation cap with Y Piece (WR9125)



End cap (WR9107)



Inflation Hose 5m (WR9109)



Delivery Hose 2m
(HS-01-04-02-06-06)



Water Rescue Accessories



MFC International supplies a comprehensive range of water rescue equipment and PPE, which can be used within any water rescue scenario.

Water rescue kits come supplied in a tough, waterproof bag. The following list highlights a selection of equipment available.

Used For:

- Crisis rescue
- Flood rescue
- River rescue
- Flooded coastal and urban areas
- Casualty recovery

Standard Kit WR0204

Lanyard	WR9095
Throwbag	WR9096
River Knife	WR9097
Loud Hailer	WR9098
Rescue 800 PFD	WR0031
275N Life jacket	WR0086
150N Life jacket	WR0087
Helmet	WR9100
Torch	WR9099
Dry suit	480012
Life jacket Light	040094
Drysuit Stowage Bag	590006

Throw Line



Loud Hailer



150N Life Jacket



275N Life Jacket



Rescue 800 PFD



Lanyard



Torch



River Knife



Helmet



Lifejacket Light



Drysuit Bag



Drysuit



Drysuit

MFC International's Drysuit is the ultimate in comfort, protection and durability. Our suit is manufactured from the best available butyl laminates, providing excellent flexibility and comfort alongside superior strength and resistance to cold temperatures.

For durability and reliability all seams are triple-stitched and sealed using neoprene adhesive tape. Latex seals are also available on request.

To maintain a consistently high quality, the drysuit is pressure tested under water as part of our rigorous ISO 9001 Quality Management System and are guaranteed for one year against manufacturing faults.

MFC's Drysuit is available in many different sizes and is supplied with internal braces, a panel in the crotch area to minimise wear and tear and the option of customer-specific badging and printing.

- Lightweight top, heavy duty bottom
- SOLAS approved reflective tape
- Offers flexibility on the upper half with added protection in the lower area

Optional Accessories

- Dry gloves with latex seal
- Balaclava



STANDARD EQUIPMENT



Drysuit Bag
(590006)



Drysuit
(480012)

OPTIONAL EQUIPMENT



Balaclava



Gloves

Rescue Stick



Lightweight extendable-reach rescue stick for the extension of personal rescue/retrieval range. The design incorporates a rugged 3 section extension handle with a simple but efficient independent clamp lock between each section.

- Compact and transportable
- Quick Deployment
- A 4.5 meter reach
- Depth markers included on the rescue pole
- High visibility
- Hook design ideally suited for hook/lift/drag applications
- Minimal training, servicing and maintenance costs

Used For:

- *Crisis rescue*
- *Flood rescue*
- *River rescue*
- *Flooded coastal and urban areas*
- *Casualty recovery*

Technical Data	Rescue Stick
Product Code	WR0043
Material	Standard glass fibre
Length (stowed)	1.8m
Length (fully extended)	4.6m
Hook Width	0.82m
Hook Length	1.2m
Weight (kg)	1.5

OPTIONAL EQUIPMENT

End cap: 240045
 Adjustable Clip (small):WR9072
 Adjustable Clip (large):WR9073

Wading Pole



The wading pole is used by the rescue team to stabilise themselves in rescue operations in flooded areas with fast flowing water. The pole has been strengthened specifically so that the pole is able to be used within the most severe conditions.

The wading pole has a light weight and rigid glass fibre shaft with durable end cap.

- Ergonomically designed handle to fit into hand
- Can be used in severe conditions
- Depth markers
- Lightweight
- Minimal training, servicing and maintenance costs

Used For:

- Crisis rescue
- Flood rescue
- River rescue
- Flooded coastal and urban areas
- Casualty recovery

Technical Data	Wading Pole
Product Code	WR0050
Material	Standard Fibre Glass
Diameter (cm)	3.5
Length (cm)	184
Weight (kg)	0.7

OPTIONAL EQUIPMENT
End Cap: 240042

Mud Lance



The Mud Lance is a durable lance to loosen the soil, sand or mud surrounding a trapped animal/person during mud rescue. Using either water or air, the Mud Lance will overcome the suction from the mud, river silt or quicksand, allowing the animal/person to be rescued quickly and safely with minimal distress.

When not in use the Mud Lance can be dismantled and packed away into the compact carry bag provided, making it easy to store and carry. The Mud lance is available in either a single spike or twin spike.

- Exceptionally Robust and durable
- Compact & Portable
- Operates at 8 bar working pressure
- Quick & Simple to use
- Minimal training, servicing and maintenance costs

Used For:

- *Mud rescue*

Technical Data	Single	Twin
Product Code	WR0143	WR0143/001
Length (cm)	100	100
Max Air Pressure (bar)	8	8
Max Water Pressure (bar)	5	5
Water valve	1" lever operated ball valve	
Water Connector	1" bsp McDonald coupling	
Air Connector	Series 25 male push fit	
Main Body	A2 stainless steel	

STANDARD EQUIPMENT

Valise Single: 590021

Valise Twin: 590005



Body Bag

MFC's recovery body bag is designed to contain mortalities and body parts after a fatal incident. The bag is designed in an 'envelope' style and is able to fit larger adults and below. The recovery body bag is fitted with 2 handles on each end or 2 handles on each side. The handles make it easier to be carried and transported whilst the bag is in use.

- Lightweight and easily portable
- Two handles on each end
- Two handles on each side
- Drainage vents within the base of the bag
- Zip Closure
- Identification Pocket

Used For:

- *Casualty recovery*



Technical Data	Small	Large
Product Code	BB0001	BB0002
Length (cm)	236	236
Width (cm)	75	90
Number of handles	6	6
Packed size (LxWxH cm)	40x30x7	48x30x7
Est. Max. Carrying Capacity (Kg)	150	150
Weight (kg)	3	3.5
Material	PVC coated polyester	

Fibreight Cradle



The Fibreight Cradle is a SOLAS approved 'Man Overboard Recovery Device' that has the versatility to recover casualties into many different types and sizes of vessels.

The Fibreight Cradle is a maritime recovery system that can be operated by a single crew member. The Cradle also serves as a boarding ladder, scramble net and stretcher.

The Fibreight Cradle is lighter, more compact and more versatile than any comparable devices on the market. The Cradle requires only regular inspections and minimal maintenance, so there is no requirement to pay for annual servicing.

The Cradle has been primarily designed for use by rescue craft, rigid inflatables, ship lifeboats and marinas, however it is currently in use in many other vessels and industries.

The Fibreight Cradle enables MOB recovery by one end of the Cradle being secured to the craft and the outboard end being held away from the boat by hand, boat hook or bridle. The MOB is then guided into the Cradle and once securely in the outboard end of the Cradle is then hauled in rung by rung. Using this par-buckling action the MOB is safely rolled up and over the side of the craft.

- SOLAS approved
- Packed in a valise
- Tough and durable
- Low maintenance
- Compact
- Tested in accordance with Lloyd's Register Certificate Type Approval SAS S100 150

Technical Data	2M	3M	4M	5M
Product Code	WR0232	WR0233	WR0234	WR0235
Length (cm)	200	300	400	500
Width (cm)	130	130	130	130
Weight (kg)	4.25	5.50	6.75	8.00
Construction	PU Coated Polyester webbing, reinforced with 10mm carbon fibre rods.			

Fibreight Cradle



The standard dimensions are 1.3 metres wide by lengths of 2, 3, 4, 5, 6 and 7 meters, however bespoke sizes are available to suit the customers' needs. A 3m Cradle weighs as little as 5 kilograms.

Recommended size of the Cradle should be at least double the length of the free-board height, in order to allow the Cradle to reach the water and the outboard end of the Cradle to be held at deck height.

The Cradles are constructed using carbon fibre rods enclosed in flanged tubular webbing. When the webbing tubes are fitted and sewn at right angles between the double thickness pockets of a second webbing, an incredibly strong structure is created. In this way the rod is fully supported within the vertical members of the ladder. ISO 799 strength test, as part of the SOLAS approval programme required successive rungs to be loaded to over 900kgs and sustained for one minute without failure.

The Cradle construction has also been tested and approved for thermal ageing, weathering, UV light, oil resistance and practical performance.

The following additional extras are offered:

- **Attachment Sling**; to add length and convert the cradle from 6-point linkage to 2 or 3-point linkage
- **Ballast Rung**; to offer sink-age in the middle rungs of the Cradle, particularly useful when operated from a davit
- **Extendable Rescue Pole**; to assist with bringing the MOB towards the Cradle
- **Loop-through Bag**; this enables the Cradle to be permanently attached whilst in its weather-proof carrier

PATENTS & CERTIFICATES

UK Patent GB2451127

European Patent 2178743

US Patent 8905803

Certificate of Design Registration (IPO)
4028064 SOLAS Certificate number SAS
S100150

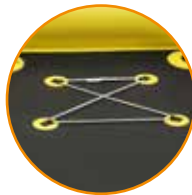
Optional Equipment



Lettering & Logos



Load Securing 'D' Ring
(530033)



Paddle Retainer
(530019)



Stowage Pocket
(530070)



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



Bravo10 Foot Pump
(180006)



T handle paddles
(190003)



8 bar Regulator
(RE0034)



Kayak paddles
(190002)



Lifting Sling
(WR09046)
Cert.EN354:2010(E) &
Connectors:EN362:20014

	Lettering & Logos	T Handle Paddles	Kayak Paddles	Load Securing 'D' Rings	Stowage Pocket	Paddle Retainer	Bravo 2000 electric inflator	Bravo 10 footpump	Bravo 4 ALU R.E.D Hand Pump	8 Bar Regulator	Flexible Fuel Tank	Fuel Tank Attachments	Lifting Sling
RS1	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
RS3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
RS5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
RS6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
RS10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
RS10T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
RS15T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
RS8ER (Evacuation raft)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
RS10ER (Evacuation raft)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
RC4000	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
MFC4000	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
MFC4500	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
MFC5000	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Airtrack	✓	-	-	✓	✓	-	✓	✓	✓	✓	-	-	-
API Stretcher	✓	-	-	✓	✓	-	✓	✓	✓	✓	-	-	✓
Inflatable Stretcher	✓	-	-	✓	✓	-	✓	✓	✓	✓	-	-	-
Rescue Platform (RP3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
Jet Ski Rescue Board	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
Animal Rescue Path	✓	-	-	-	-	-	✓	✓	✓	✓	-	-	-
Mud Lance	-	-	-	-	-	-	-	-	-	✓	-	-	-



Flexible Fuel Tank
(WR9110)



Fuel Tank Attachment
(530069)



Bravo2000 Electric Inflator
(180026)



BA Cylinder



8 Bar Regulator

Output
Type 26
Female



1m Delivery Hose

Input
Type 26
Male

Output
Manometer
Probe



Rescue Craft

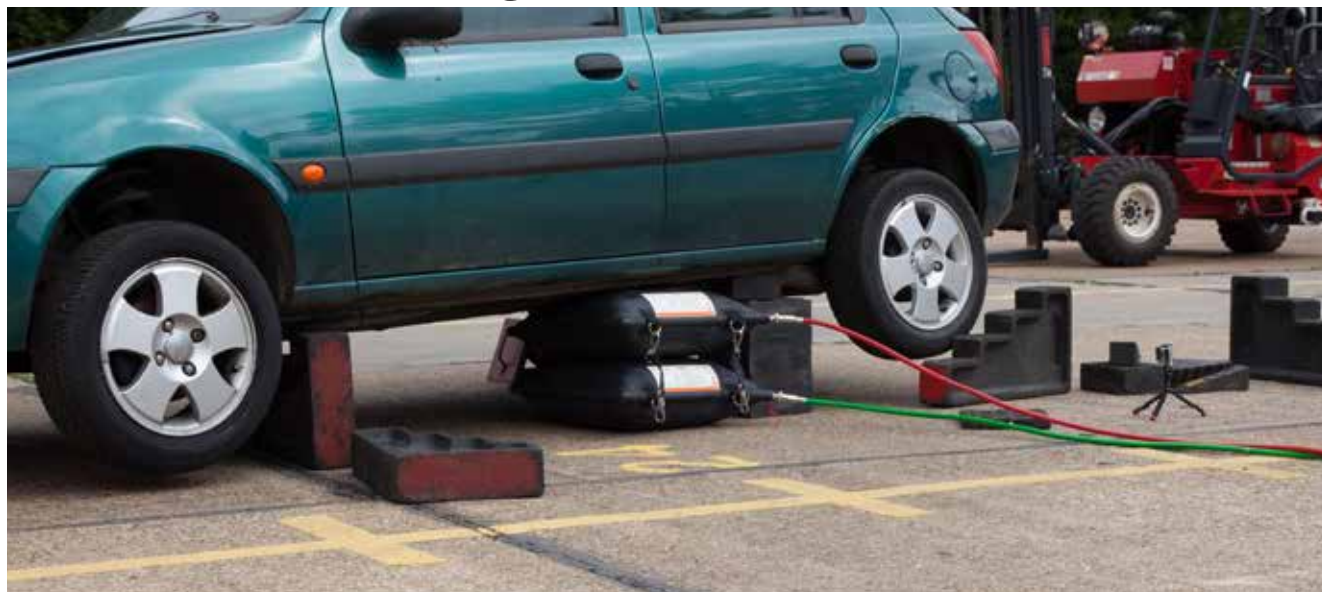
Output
D7 inflate/
deflate valve



LIFTING BAGS & MATS



Stak Jak II Lifting Mats



The Stak Jak is a revolutionary flat-profile lifting cushion for vehicle and heavy duty lifting requirements. The flat profile of the Stak Jak has several distinct advantages over traditional ovoid lifting cushions of which the most significant is the ability to safely stack up to three cushions together. This enables a greater lift height without the risk of sudden ejection or instability that is possible when stacking ovoid mats.

Stak Jaks are slim line for tight space scenarios and compact storage. They are constructed from exceptionally tough Kevlar cord, yet are light enough to be carried by just one person. Stak Jaks can be inflated quickly to provide an instant lift, making them ideal for use in rapid response emergency situations. They also have a controlled deflation facility if required, and can be supplied with an optional bleed valve on request.

- The flat profile allows three cushions to safely stack on top of one another
- Provide a strong and steady lift to stabilize a vehicle and improve access to casualties
- They are not subject to the diminishing lift capacity that is experienced with ovoid mats
- Lifting capacity remains constant throughout the lift, even at full height
- Connecting straps to allow each bag to connect to one another to provide additional stability between the bags and prevent them from slipping when in use.
- Slimline for tight space scenarios and compact storage
- Constructed from exceptionally tough kevlar cord, but are light enough to be carried by one person
- Can be inflated quickly to provide an instant lift
- Have a controlled deflation facility if required
- Large lift capacity and height
- Controlled deflation capability

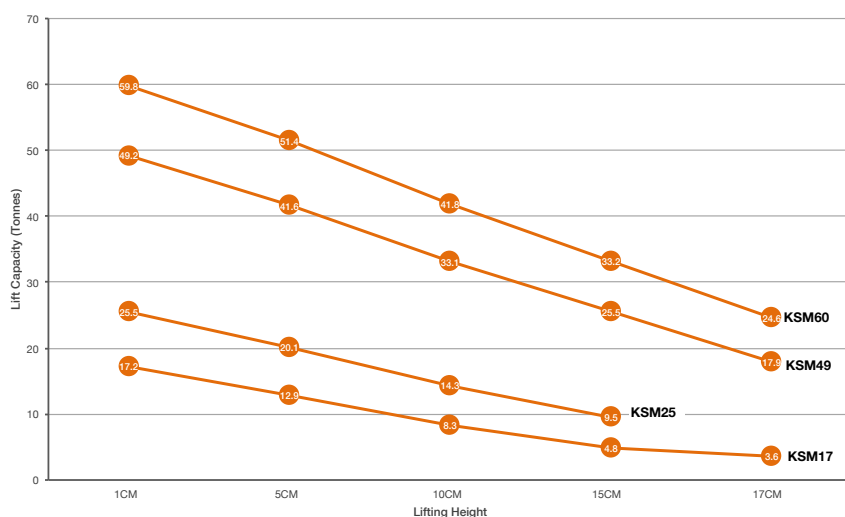
Technical Data	KSM17 (8 BAR)	KSM26 (12 BAR)	KSM25 (8 BAR)	KSM38 (12 BAR)	KSM49 (8 BAR)	KSM73 (12 BAR)	KSM60 (8 BAR)	KSM90 (12 BAR)
Product Code	HB0031	HB0050	HB0042	HB0051	HB0048	HB0052	HB0043	HB0053
Length (cm)	52	52	62	62	84	84	92	92
Width (cm)	52	52	62	62	84	84	92	92
Inflated Height (cm)	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Deflated Height (cm)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Packed Size (cm)	55x55x4	55x55x4	65x65x4	65x65x4	88x88x4	88x88x4	95x95x4	95x95x4
Max. Lift Capacity at Min. Lifting Height (tonne)	17	26	25	38.2	49	73.8	60	89.6
Max. Lift Capacity at Max. Lifting Height (tonne)	5	7.2	9.5	14.2	25	38.2	33.2	49.8
Max Flat Area (cm)	24x24	24x424	34x34	34x34	56x56	56x56	64x64	64x64
Air Requirements (ltr)	305	479	465	731	893	1403	1074	1687
Weight (kg)	8	8	12	12	20	20	23	23
Max. Pressure (bar)	8	12	8	12	8	12	8	12

Stak Jak II Lifting Mats



LIFTING HEIGHTS

8-Bar StakJaks



Used For:

- Road traffic incidents
- Light aircraft crash
- Rapid response rescue
- Raising submerged vehicles and small craft

STANDARD EQUIPMENT

Retaining Straps
x4
(SP0068)

Series 25 male
with female thread
(010028)



12-Bar StakJaks



Series 25 Coupling comes as standard.
Other Couplings available on request. See Page 54.



Powermats



The Powermat is a heavy duty, high pressure lifting cushion designed primarily for lifting vehicles and objects in emergency situations. Deflated, the Powermat has a very slim profile making it suitable for use in restricted or awkward spaces and compact to store. Available in 13 standard sizes with maximum lifting capacities from 1 tonne right up to 68 tonne.

The Powermat inflates rapidly offering an instant lift. The most convenient source of air supply for inflation is a BA cylinder or scuba bottle, alternatively a compressor, factory airline supply or a truck air brake supply.

Due to its rapid response capability the Powermat is ideally suited to emergency rescue situations, however it is an exceptionally versatile piece of equipment that also has applications in USAR, industry, mining, railroad construction/maintenance and the armed forces.

- Slimline profile when deflated making it suitable for use in restricted or awkward places
- Inflates rapidly offering an instant lift
- Constructed from exceptionally tough kevlar cord, but are light enough to be carried by one person
- Have a controlled deflation facility if required
- Large lift capacity and height

Used For:

- *Road traffic incidents*
- *Light aircraft crash*
- *Rapid response rescue*
- *Raising submerged vehicles and small craft*

Powermats



STANDARD EQUIPMENT

**Series 25 male
with female thread
(010028)**



**Series 25 Coupling comes
as standard.
Other Couplings available
on request. See Page 54.**

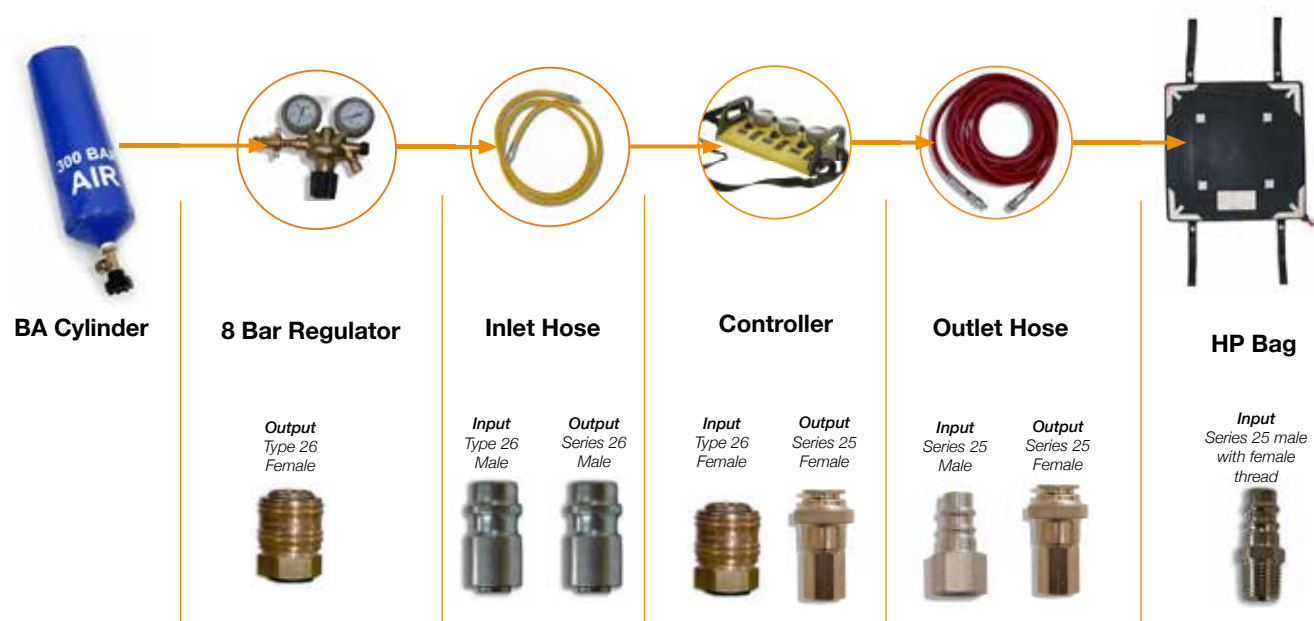
8 BAR TECHNICAL DATA

Technical Data	KS1	KS3	KS5	KS10	KS12	KS15	KS21	KS29	KS32	KS46	KS54	KS67
Product Code	KS01/08	KS03/08	KS05/08	KS10/08	KS12/08	KS15/08	KS21/08	KS29/08	KS32/08	KS46/08	KS54/08	KS67/08
Length (cm)	15	22.5	27	38	40.8	46	52	62	65.8	77.5	84	92
Width (cm)	15	22.5	27	38	40.8	46	52	62	65.8	77.5	84	92
Inflated height (cm)	8	13	16	23	25	28	32	38	41	48	52	57
Deflated height (cm)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Maximum lift (tonne)	1.4	3.4	5	10.4	12	15.5	21	28.8	32.6	45.6	53.8	67
Air capacity at 8 bar (litres)	3	12	23	69	89	124	186	311	391	627	797	1051
Weight (kg)	0.5	1.3	1.8	3.6	4.1	5.1	8	12	13.5	14.5	20	23
Max. Pressure (bar)	8	8	8	8	8	8	8	8	8	8	8	8

12 BAR TECHNICAL DATA

Technical Data	KS2	KS5	KS7.5	KS15	KS18	KS23	KS30	KS43	KS49	KS68	KS81	KS97
Product Code	KS02/12	KS05/12	KS7.5/12	KS15/12	KS18/12	KS23/12	KS30/12	KS43/12	KS49/12	KS68/12	KS81/12	KS97/12
Length (cm)	15	22.5	27	38	40.8	46	52	62	65.8	77.5	84	92
Width (cm)	15	22.5	27	38	40.8	46	52	62	65.8	77.5	84	92
Inflated height (cm)	8	13	16	23	25	28	32	38	41	48	52	57
Deflated height (cm)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Maximum lift (tonne)	2	5	7.5	15.6	18.1	23.2	30	43.2	48.8	68.4	80.7	97.2
Air capacity at 12 bar (litres)	4	18	34	100	128	180	268	449	565	906	1151	1518
Weight (kg)	0.5	1.3	1.8	3.6	4.1	5.1	8	12	13.5	14.5	20	23
Max. Pressure (bar)	12	12	12	12	12	12	12	12	12	12	12	12

High Pressure Bags



Other couplings are available on request

Optional Equipment



8 Bar Steel Controller
(CO0026-10-07)



8 Bar Aluminium Single Control Unit
(CO0052-10-07)



8 Bar Aluminium Double Control Unit
(CO0055-10-07)



8 Bar Aluminium Triple-control Unit
(CO0058-10-07)



8 Bar Plastic Controller
(CO0034-10-07)



Hand Held 8 Bar Controller
(CO0073-10-07)



8 Bar Regulator
(RE0034)



Scuba 300 Bar Regulator
(RE0036)



Safety Chocks
(Part number depending on block)



Red Outlet Hose c/w S25 Couplings
(5m: HS-01-01-05-06-07
10m: HS-01-01-10-06-07)



Green Outlet Hose c/w S25 Couplings
(5m: HS-01-02-05-06-07
10m: HS-01-02-10-06-07)



Blue Outlet Hose c/w S25 Couplings
(5m: HS-01-03-05-06-07
10m: HS-01-03-10-06-07)



Yellow Outlet Hose c/w S25 Couplings
(5m: HS-01-04-05-06-07
10m: HS-01-04-10-06-07)



Yellow Inlet Hose
(2m: HS-01-04-02-06-06
5m: HS-01-04-05-06-06
10m: HS-01-04-10-06-06)

2 & 3 Tier Bag



MFC International offer a 2 or 3 tier of low pressure Airlift cushions designed primarily for the recovery of vehicles. These cushions have a large contact area which means they uniformly distribute lift pressure across a large surface area, making them suitable for lifting at weak points of a vehicle such as the roof, sides, wings, bonnet and boot.

- Lightweight and easily portable
- Provide a strong and steady lift to stabilize a vehicle and improve access to casualties
- These cushions have a large contact area which means they uniformly distribute lift pressure across a large surface area, making them suitable for lifting at weak points of a vehicle such as the roof, sides, wings, bonnet and boot
- Exceptionally Stable
- Strong and Durable
- Non Slip top surface
- Low maintenance costs
- Large lift capacity and height
- Controlled deflation capability

Used For:

- Road traffic incidents
- Light aircraft crash
- Rapid response rescue
- Raising submerged vehicles and small craft

Technical Data	2 TIER	3 TIER
Product Code	LB0067	LB0068
Materials	Hypalon Coated Nylon	
Length (cm)	55	55
Width (cm)	45	45
Inflated Height (cm)	40	60
Deflated Height (cm)	5	5
Lift at Max Pressure (kg)	1780	1780
Air Requirements (litr)	110	150
Packed Weight (kg)	10	14.5
Max. Pressure (bar)	2	2

STANDARD EQUIPMENT

Output Coupling



Series 25 Female coupling
(010248)

Series 25 Female Coupling comes as standard. Other Couplings available on request. See Page 54.

OPTIONAL EQUIPMENT

For controllers & regulators see page 44.



Red Outlet Hose c/w S25 Couplings
(5m: HS-01-01-05-06-06)
(10m: HS-01-01-10-06-06)



Green Outlet Hose c/w S25 Couplings
(5m: HS-01-02-05-06-06)
(10m: HS-01-02-10-06-06)



Blue Outlet Hose c/w S25 Couplings
(5m: HS-01-03-05-06-06)
(10m: HS-01-03-10-06-06)



Yellow Outlet Hose c/w S25 Couplings
(5m: HS-01-04-05-06-06)
(10m: HS-01-04-10-06-06)



Yellow Inlet Hose
(2m: HS-01-04-02-06-06)
(5m: HS-01-04-05-06-06)
(10m: HS-01-04-10-06-06)

0.5 Bar Lifting Cushions



MFC International offer a comprehensive range of 0.5 bar pressure Airlift cushions designed primarily for the recovery of vehicles. Invaluable at the scene of a road traffic incident or light aircraft crash, the Airlift cushions provide an exceptionally strong and steady lift to stabilize a vehicle and improve access to casualties. Depending on the circumstances these lifting cushions may also be used in the rescue of animals or to raise submerged vehicles and small craft as well as many other heavy objects.

Airlift cushions have a large contact area, which means they uniformly distribute lift pressure across a large surface area, making them suitable for lifting at weak points of a vehicle such as the roof, sides, wings, bonnet and boot. Made from exceptionally strong and durable materials, Airlift cushions include a non-slip surface to ensure the cushions stay in place through out the lift.

- Lightweight and easily portable
- Provide a strong and steady lift to stabilize a vehicle and improve access to casualties
- These cushions have a large contact area which means they uniformly distribute lift pressure across a large surface area, making them suitable for lifting at weak points of a vehicle such as the roof, sides, wings, bonnet and boot
- Exceptionally Stable
- Strong and Durable
- Non Slip top surface
- Webbing loops assist with lifting and positioning the cushions, and can be used as anchorage points
- Low maintenance costs
- Large lift capacity and height
- Controlled deflation capability

Used For:

- Road traffic incidents
- Rescue of animals
- Light aircraft crash
- Raising submerged vehicles and small craft

Technical Data	A	B	C	D
Product Code	LB0015	LB0016	LB0017	LB0018
Materials	Hypalon Coated Nylon			
Diameter (cm)	61	76	91	122
Inflated Height (cm)	43	59	61	100
Deflated Height (cm)	5	5	5	10
Packed Size (cm)	66 dia. x 20	77 dia. x 20	96 dia. x 20	122 dia. x 22
Max. Pressure (bar)	0.5	0.5	0.5	0.5
Lift at Max Pressure (kg)	1488	2325	3347	5951
Air Requirements (ltr)	222	450	673	1900
Packed Weight (two cushions) (kg)	30	34	45	50

STANDARD EQUIPMENT

GEKA Claw Coupling
(010045)



Geka Claw Coupling comes as standard. Other Couplings available on request. See Page 54.

1 Bar Lifting Cushions



MFC International offer a comprehensive range of 1 bar pressure Airlift cushions designed primarily for the recovery of vehicles. Invaluable at the scene of a road traffic incident or light aircraft crash, the Airlift cushions provide an exceptionally strong and steady lift to stabilize a vehicle and improve access to casualties. Depending on the circumstances these lifting cushions may also be used in the rescue of animals or to raise submerged vehicles and small craft as well as many other heavy objects.

Airlift cushions have a large contact area, which means they uniformly distribute lift pressure across a large surface area, making them suitable for lifting at weak points of a vehicle such as the roof, sides, wings, bonnet and boot. Made from exceptionally strong and durable materials, Airlift cushions include a non-slip surface to ensure the cushions stay in place through out the lift.

- Lightweight and easily portable
- Provide a strong and steady lift to stabilize a vehicle and improve access to casualties
- These cushions have a large contact area which means they uniformly distribute lift pressure across a large surface area, making them suitable for lifting at weak points of a vehicle such as the roof, sides, wings, bonnet and boot
- Exceptionally Stable
- Strong and Durable
- Non Slip top surface
- Webbing loops assist with lifting and positioning the cushions, and can be used as anchorage points
- Low maintenance costs
- Large lift capacity and height
- Controlled deflation capability

Used For:

- Road traffic incidents
- Light aircraft crash
- Rescue of animals
- Raising submerged vehicles and small craft

Technical Data	AK	BK	CK	DK
Product Code	LB0019	LB0020	LB0021	LB0022
Materials	Neoprene Coated Kevlar			
Diameter (cm)	61	76	91	122
Inflated Height (cm)	43	59	61	100
Deflated Height (cm)	5	5	5	10
Packed Size (cm)	66 dia. x 20	77 dia. x 20	96 dia x 20	122 dia. x 22
Max. Pressure (bar)	1	1	1	1
Lift at Max Pressure (kg)	2976	4650	6694	11902
Air Requirements (ltr)	295	620	900	3010
Packed Weight (two cushions) (kg)	30	34	45	50

STANDARD EQUIPMENT

GEKA Claw Coupling
(010045)



Geka Claw Coupling comes as standard. Other Couplings available on request. See Page 54.

0.5 Bar High Lifting Cushions



MFC International offer a comprehensive range of 0.5 bar pressure high lifting cushions designed primarily for the recovery of larger vehicles.

- Lightweight and easily portable
- Provide a strong and steady lift to stabilize a vehicle and improve access to casualties
- These cushions have a large contact area which means they uniformly distribute lift pressure across a large surface area, making them suitable for lifting at weak points of a vehicle such as the roof, sides, wings, bonnet and boot
- Exceptionally Stable
- Strong and Durable
- Non Slip top surface
- Webbing loops assist with lifting and positioning the cushions, and can be used as anchorage points
- Low maintenance costs
- Large lift capacity and height
- Controlled deflation capability

Used For:

- Road traffic incidents
- Rescue of animals
- Light aircraft crash
- Raising submerged vehicles and small craft

Technical Data	120	180	213
Product Code	LB0014	LB0072	LB0013
Materials	Neoprene Coated Nylon		
Area Dimensions (cm)	122x122	120x120	122x122
Inflated Height (cm)	120	180	213
Deflated Height (cm)	5	5	5
Max. Pressure (bar)	0.5	0.5	0.5
Lift at Max Pressure (kg)	7000	9000	7000
Air Requirements (ltr)	2500	2900	3400
Weight (kg)	37.5	40	42.5

Type 120, 180, & 213 bags feature 5mm thick 3 ply working surfaces with two rings fitted to both top and bottom working surfaces for securing

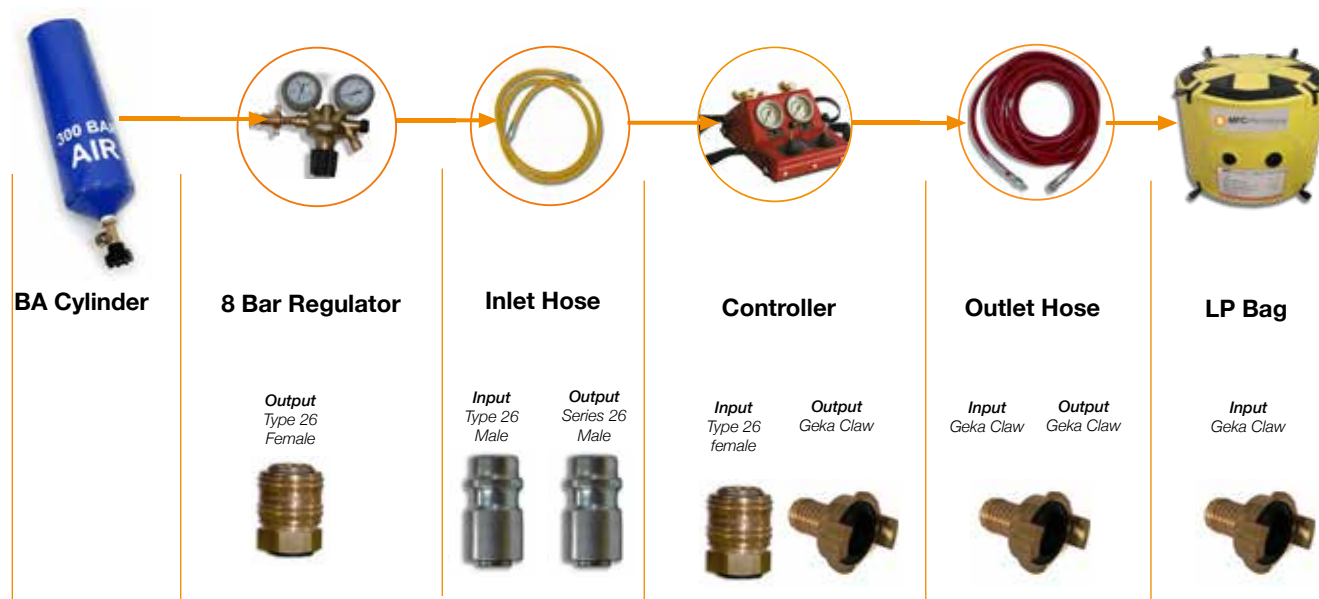
STANDARD EQUIPMENT

GEKA Claw Coupling
(010045)



Geka Claw Coupling comes as standard.
Other Couplings available on request. See Page 54.

Low Pressure Bags- 0.5 & 1 Bar



Other couplings are available on request

Optional Equipment



1 Bar Aluminium Double Control Unit
(CO0046-10-13)



1 Bar plastic Controller
(CO0031-10-13)



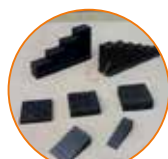
Hand Held 3 bar Controller
(CO0067-10-13)



8 bar Regulator
(RE0034)



Scuba 300 Bar Regulator
(RE0036)



Safety Chocks
(Part number depending on block)



Yellow Inlet Hose
(2m: HS-01-04-02-06-06
5m: HS-01-04-05-06-06
10m: HS-01-04-10-06-06)



Red Outlet Hose c/w GEKA Couplings
(5m: HS-02-01-05-13-13
10m: HS-02-01-10-13-13)



Green Outlet Hose c/w GEKA Couplings
(5m: HS-02-02-05-13-13
10m: HS-02-02-10-13-13)

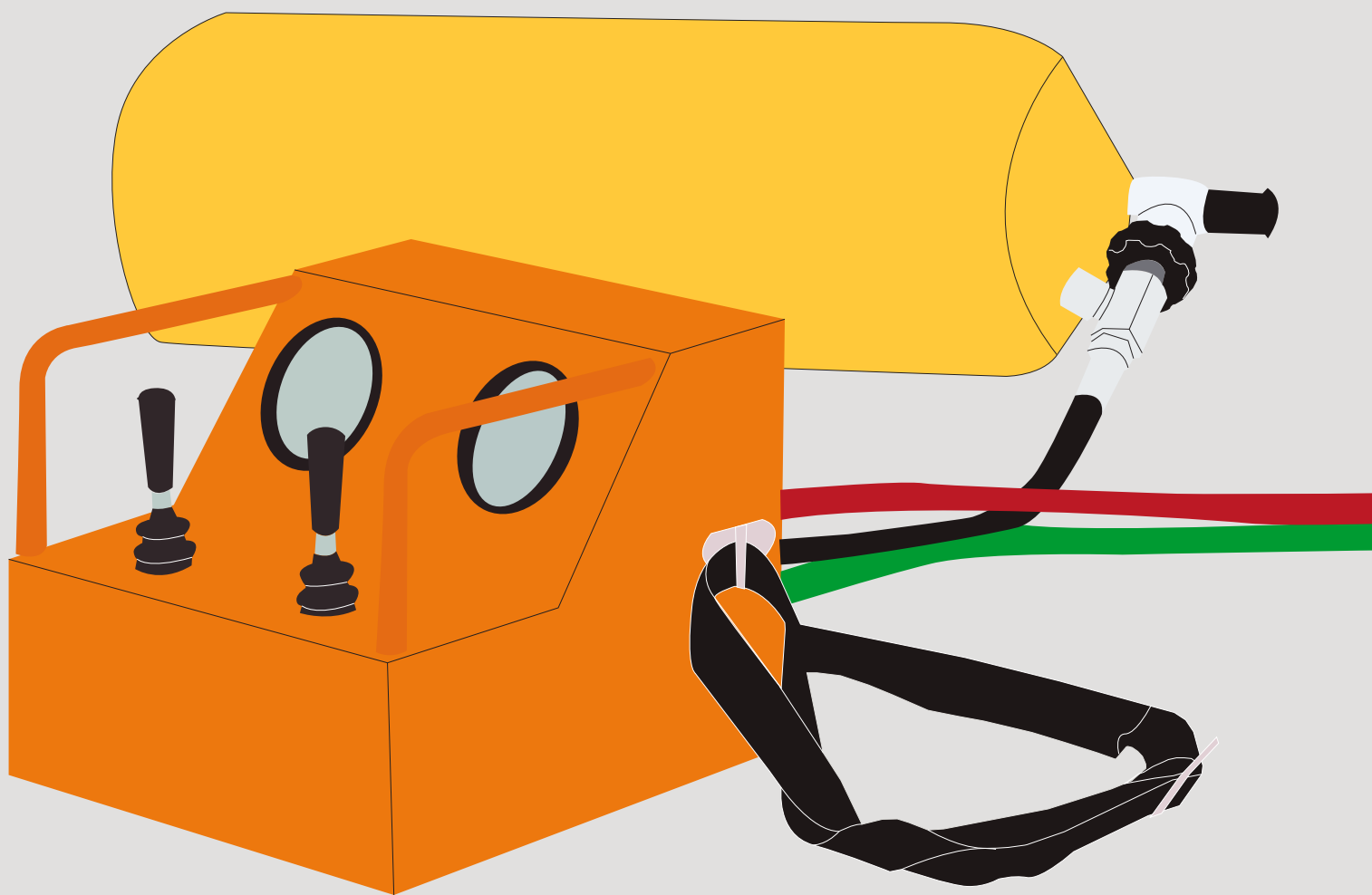


Blue Outlet Hose c/w GEKA Couplings
(5m: HS-02-03-05-13-13
10m: HS-02-03-10-13-13)



Yellow Outlet Hose c/w GEKA Couplings
(5m: HS-02-04-05-13-13
10m: HS-02-04-10-13-13)

CONTROLLERS & REGULATORS



Steel Box Controller



The MFC Steel Box Dual Controller is available in 8 bar only.

- Steel Housing with 2 outlet ports and 1 inlet port
- Nylon adjustable carrying/handling shoulder strap
- Steel housing offers protection for vulnerable components
- Independent control for each cushion or bag using levers
- Levers are supplied with spring loaded “deadman” automatic return to off control

Technical Data

Type	8 Bar
Product Code	CO0022
Max. Outlet Pressure (bar)	8
Size (cm)	23.3x20x15.5
Weight (kg)	5.5

STANDARD EQUIPMENT

Input Coupling



Series 26 Female Coupling
(010451)

Output Coupling



Series 25 Female coupling
(010248)

Series 25 Coupling comes as standard. Other Couplings available on request. See Page 54.

OPTIONAL EQUIPMENT



8 bar Regulator
(RE0034)

Plastic Box Controller



The Plastic Box controller is a compact box design with insight control panel/pressure gauges. This high spec air pressure controller is ideal for use with high or low pressure lifting cushions/bags.

- Lightweight and easily portable
- Pressure gauges are recessed into the box for protection
- Pressure sensitive control joystick for each outlet
- Two outlets with a variety of different types of quick couplings available
- Able to inflate two bags/cushions at a time, with individual control
- Colour coded outlets for easy identification (to match colour coded hoses)
- Housing available in yellow as standard, other colours available on request
- Straps for easier transportation
- Can be operated with compressor, SCBA breathing air cylinder and regulator truck brake air source
- Available in either 0.5 bar, 1 bar or 8 bar.
- Option for phosphorescent gauge.

Used For:

- Crisis rescue
- Road traffic Accidents
- Lifting light aircraft and vehicles

Type	1 Bar	8 Bar	12 Bar
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Series 25 Output Coupling & Series 26 Input Coupling comes as standard. Other Couplings available on request.

Aluminium Control Unit



The Aluminium Control Unit is a robust and durable controller with an impact resistant design. The body is made of aluminium with plastic protective handles at either end and models are available for use for use with MFC Survival's low pressure lifting bags and high pressure lifting mats.

- Lightweight and easily portable
- Pressure gauges have a rubber protective surrounds
- Housing available in yellow as standard, other colours available on request
- Pressure sensitive control joystick for each outlet
- Can be operated with compressor, SCBA breathing air cylinder and regulator or truck brake air source
- Models available for either 1 bar or 8 bar control
- Available with 2 or 3 outlets (for individual control of up to three mats or a single air bag)

Used For:

- Crisis rescue
- Road traffic Accidents
- Lifting light aircraft and vehicles

Type	1,8 & 12 Bar		
	1 Outlet	2 Outlets	3 Outlets

Series 25 Output Coupling & Series 26 Input Coupling comes as standard. Other Couplings available on request.

Hand-held Controller



The push-button Hand-held Controller is compact and lightweight and can be easily operated with one hand. The aluminium body makes it durable and reduces weight. It is Ideal for use with low or high pressure lifting bags.

- Lightweight and easily portable
- Pressure gauges are recessed into the body for protection
- Different colours available
- Textured rubber hand grip ideal for cold/hot climates, provides a positive grip when wet or icy
- Can be operated with compressor, SCBA breathing air cylinder and regulator or truck brake air source
- Option for either 3 bar or 8 bar.
- Available with 1 or 2 outlets and various coupling options
- Housing available in yellow as standard, other colours available on request

Used For:

- Crisis rescue
- Road traffic Accidents
- Lifting light aircraft and vehicles

Type	3,8 & 12 Bar	
	1 Outlet	2 Outlets

Series 25 Output Coupling & Series 26 Input Coupling comes as standard. Other Couplings available on request.

Regulator



The MFC Regulators are 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.

- Manufactured to ISO 2503
- Max. Input 300 Bar
- Optional padded storage box

Used For:

- Reducing pressure for inflation

Output Coupling



Series 26 Female Coupling
(010451)

Type	8 Bar	12 Bar
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OPTIONAL EQUIPMENT



Black Storage Box
(060121)

Series 26 Female Output Coupling comes as standard. Other Couplings available on request.

Hoses



1-10m Yellow Outlet Hose



1-10m Red Outlet Hose



1-10m Green Outlet Hose



1-10m Blue Outlet Hose



1-10m Black Outlet Hose



2-10m Yellow Inlet Hose



1m Delivery Hose

Hose Bore Sizes

	HIGH PRES-SURE	LOW PRESSURE
INTERNAL	8mm	19mm
EXTERNAL	13mm	25mm

Couplings



Series 27 Male coupling
(010028)



Series 27 Female coupling
(010434)



Series 19 Female coupling
(010098)



Series 19 Male coupling
(010433)



Series 25 Female coupling
(010248)



Series 25 Male coupling
(010026)



Instant air Male
(010436)



Instant air Female
(010437)



GEKA Claw Coupling
(010045)



Series 25 male with female thread
(010028)

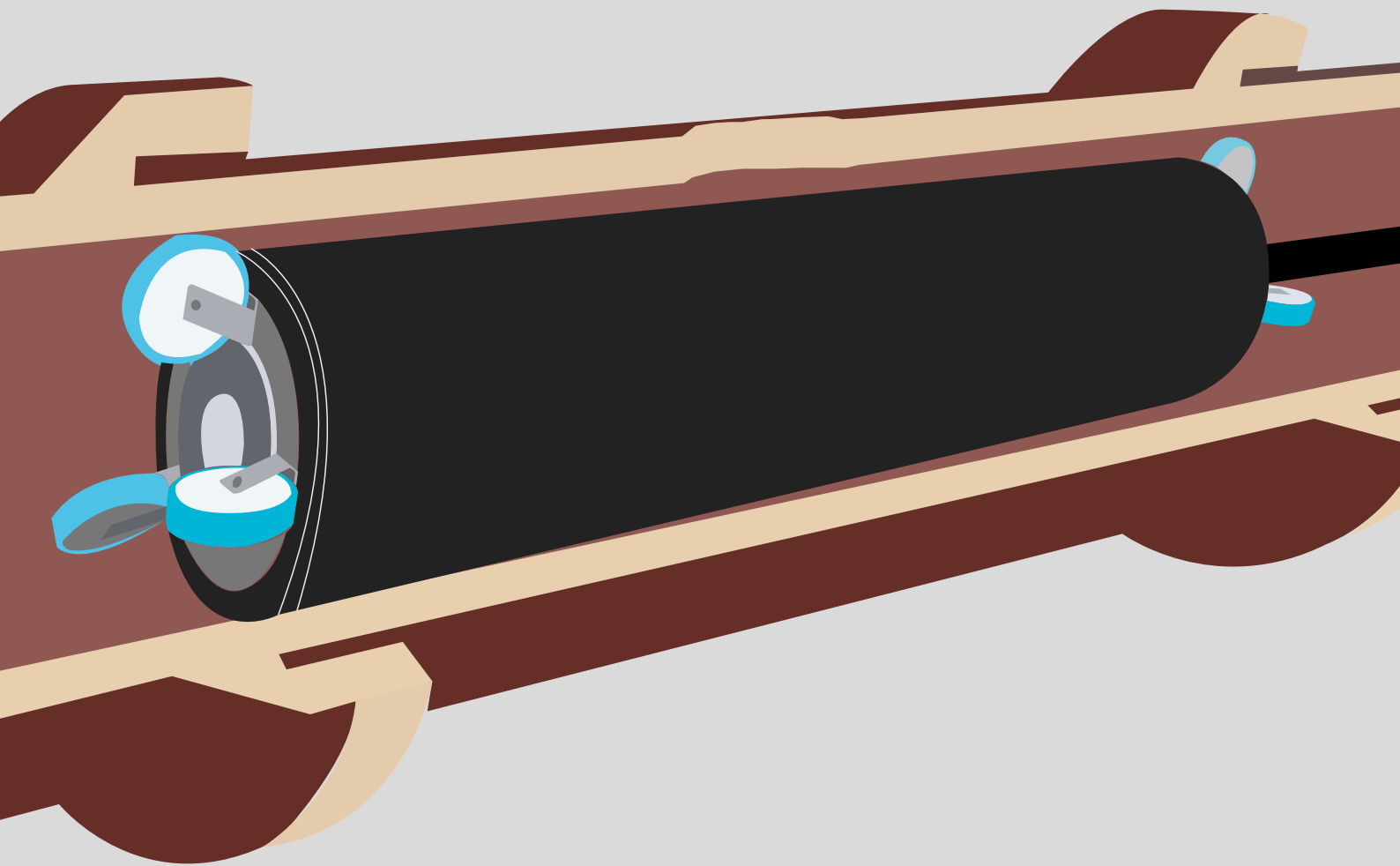


Series 26 Female Coupling
(010451)



Series 25 Female Locking Coupling
(010475)

PIPE MAINTENANCE



Flexible Packer Systems

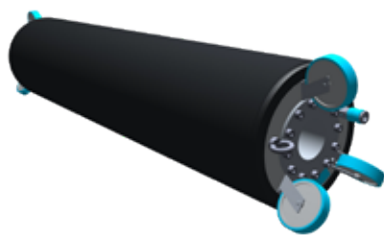


Our new flexible packer replaces previous LONG and FLEX packer designs with a single solution. This new design combines greater reinforcement with ease of use for an effective all-in-one solution. The packer is a sectional repair method for all types of drainage pipes.

- Snap on/off wheels can be quickly and easily removed
- Highly flexible bypass pipe simplifies insertion of the packer while providing strong support when pushing the packer along the pipe
- The bypass lock with its protected thread allows you to configure the packer for bypass or non-flow use
- Product weight has been reduced through the use of new lighter materials, simplifying handling and transport of larger packers

Part Number	Size		Size Usage Range (mm)		Deflated Packer (mm)		Rubber Body Length (mm)	Weight (kg)	Inflation Pressure (bar)	Bypass Diameter (Female) (inch)
		(m)	Min Dia	Max Dia	Diameter	Length				
FP0001	10-15 F	1	100	150	65	1120	1050	2.2	2.5	N/A
FP0002	10-15 F	1.5	100	150	65	1620	1550	2.6	2.5	N/A
FP0003	10-15 F	2	100	150	65	2120	2050	2.9	2.5	N/A
FP0004	10-15 F	2.5	100	150	65	2620	2550	3.4	2.5	N/A
FP0005	10-15 F	3	100	150	65	3120	3050	4.3	2.5	N/A
FP0006	10-15 F	4	100	150	65	4120	4050	5.1	2.5	N/A
FP0007	10-15 F	5	100	150	65	5120	5050	6.1	2.5	N/A
FP0008	15-25 F	1	150	250	114	1180	1080	8.5	2	2
FP0009	15-25 F	1.5	150	250	114	1680	1580	10	2	2
FP0010	15-25 F	2	150	250	114	2180	2080	11.5	2	2
FP0011	15-25 F	2.5	150	250	114	2680	2580	13	2	2
FP0012	15-25 F	3	150	250	114	3180	3080	15	2	2
FP0013	15-25 F	4	150	250	114	4180	4080	17.5	2	2
FP0014	15-25 F	5	150	250	114	5180	5080	21.9	2	2
FP0015	20-30F	1	200	300	145	1180	1080	5.1	1.5	2
FP0016	20-30F	1.5	200	300	145	1680	1580	5.9	1.5	2
FP0017	20-30F	2	200	300	145	2180	2080	6.7	1.5	2
FP0018	20-30F	2.5	200	300	145	2680	2580	8.8	1.5	2
FP0019	20-30F	3	200	300	145	3180	3080	11	1.5	2
FP0020	20-30F	4	200	300	145	4180	4080	14	1.5	2
FP0021	20-30F	5	200	300	145	5180	5080	19	1.5	2

Flexible Packer Systems



Part Number	Size		Size Usage Range (mm)		Deflated Packer (mm)		Rubber Body Length (mm)	Weight (kg)	Inflation Pressure (bar)	Bypass Diameter (Female) (inch)
		(m)	Min Dia	Max Dia	Diameter	Length				
FP0022	30-40 F	1	300	400	245	1280	1080	20	1.5	3
FP0023	30-40 F	1.5	300	400	245	1780	1580	22.6	1.5	3
FP0024	30-40 F	2	300	400	245	2280	2080	26	1.5	3
FP0025	30-40 F	2.5	300	400	245	2780	2580	30	1.5	3
FP0026	30-40 F	3	300	400	245	3280	3080	34	1.5	3
FP0027	30-40 F	4	300	400	245	4280	4080	43	1.5	3
FP0028	30-40 F	5	300	400	245	5280	5080	49	1.5	3
FP0029	40-50 F	1	400	500	340	1300	1080	34	1.2	3
FP0030	40-50 F	1.5	400	500	340	1800	1580	37	1.2	3
FP0031	40-50 F	2	400	500	340	2300	2080	42	1.2	3
FP0032	40-50 F	2.5	400	500	340	2800	2580	51	1.2	3
FP0033	40-50 F	3	400	500	340	3300	3080	56	1.2	3
FP0034	40-50 F	4	400	500	340	4300	4080	62	1.2	3
FP0035	40-50 F	5	400	500	340	5300	5080	70	1.2	3
FP0036	45-60F	1	450	600	340	1340	1120	36	1.2	3
FP0037	45-60F	1.5	450	600	340	1840	1620	38	1.2	3
FP0038	45-60F	2	450	600	340	2340	2120	43.5	1.2	3
FP0039	45-60F	2.5	450	600	340	2840	2620	53	1.2	3
FP0040	45-60F	3	450	600	340	3340	3120	57.5	1.2	3
FP0041	45-60F	4	450	600	340	4340	4120	63.5	1.2	3
FP0042	45-60F	5	450	600	340	5340	5120	71	1.2	3
FP0043	50-60F	1	500	600	405	1340	1120	40	1	3
FP0044	50-60F	1.5	500	600	405	1840	1620	43.5	1	3
FP0045	50-60F	2	500	600	405	2340	2120	48	1	3
FP0046	50-60F	2.5	500	600	405	2840	2620	56	1	3
FP0047	50-60F	3	500	600	405	3340	3120	59	1	3
FP0048	50-60F	4	500	600	405	4340	4120	65	1	3
FP0049	50-60F	5	500	600	405	5340	5120	74	1	3
FP0050	60-80F	1	600	800	500	1340	1120	48	1	3
FP0051	60-80F	1.5	600	800	500	1840	1620	52.5	1	3
FP0052	60-80F	2	600	800	500	2340	2120	59	1	3
FP0053	60-80F	2.5	600	800	500	2840	2620	68	1	3
FP0054	60-80F	3	600	800	500	3340	3120	72	1	3
FP0055	60-80F	4	600	800	500	4340	4120	80	1	3
FP0056	60-80F	5	600	800	500	5340	5120	90	1	3
FP0057	80-100F	1.5	800	1000	550	1840	1620	58	1	4
FP0058	80-100F	2	800	1000	550	2340	2120	65	1	4
FP0059	100-120F	2	1000	1200	550	2340	2120	70	1	4

Lateral Packer Systems



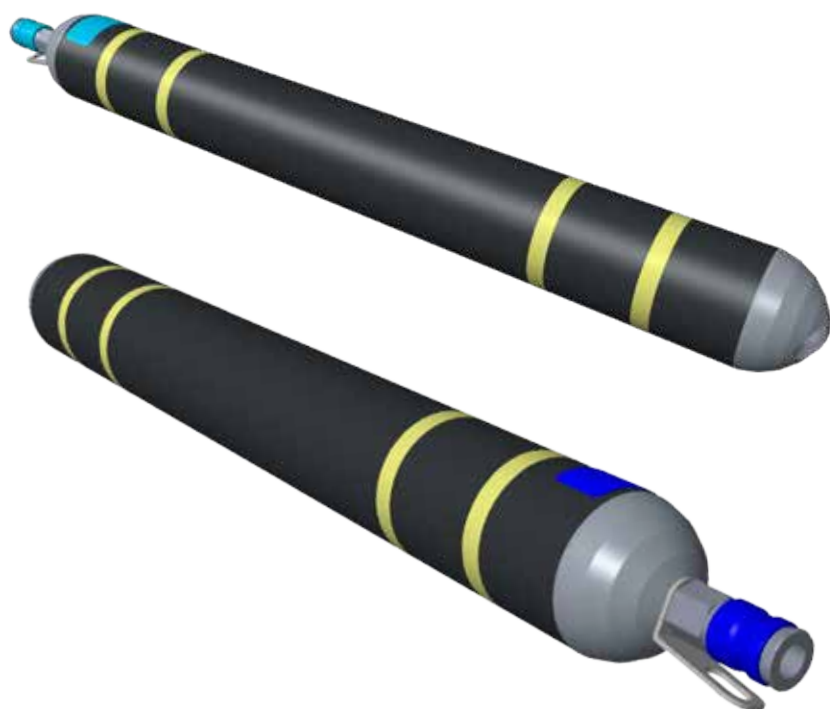
There are two types of lateral packer system available; S and RS. The S type lateral system provides a light weight, flexible and economical solution for quick, uncomplicated pipe repairs. The RS type covers a greater range of applications as it provides greater flexibility around the corners of pipes while at the same time providing excellent rigidity when pushing it along a pipe where greater force is needed (due to pipe damage). Both systems are equipped with connectors to provide either push or pull in either direction.

S Types

Part Number	Size		Size Usage Range (mm)		Deflated Packer (mm)		Rubber Body Length (mm)	Weight (kg)	Inflation Pressure (bar)
		(m)	Min Dia	Max Dia	Diameter	Length			
LP0001	3.5-5	0.7	35	50	26	780	720	0.45	2.5
LP0002	3.5-5	1	35	50	26	1080	1020	0.55	2.5
LP0003	3.5-5	1.5	35	50	26	1580	1520	0.75	2.5
LP0004	3.5-5	2	35	50	26	2080	2020	0.85	2.5
LP0005	3.5-5	2.5	35	50	26	2580	2520	0.95	2.5
LP0006	3.5-5	3	35	50	26	3180	3020	1.15	2.5
LP0007	3.5-5	4	35	50	26	4180	4020	1.45	2.5
LP0008	3.5-5	5	35	50	26	5180	5020	1.7	2.5
LP0009	5-7.5	0.7	50	75	30	780	720	0.6	3
LP0010	5-7.5	1	50	75	30	1080	1020	0.7	3
LP0011	5-7.5	1.5	50	75	30	1580	1580	0.8	3
LP0012	5-7.5	2	50	75	30	2080	2080	1	3
LP0013	5-7.5	2.5	50	75	30	2580	2580	1.2	3
LP0014	5-7.5	3	50	75	30	3180	3080	1.4	3
LP0015	5-7.5	4	50	75	30	4180	4080	1.6	3
LP0016	5-7.5	5	50	75	30	5180	5080	2	3
LP0017	7.0-10	0.7	70	100	45	720	720	0.7	2.5
LP0018	7.0-10	1	70	100	45	1020	1020	0.9	2.5
LP0019	7.0-10	1.5	70	100	45	1580	1580	1.2	2.5
LP0020	7.0-10	2	70	100	45	2080	2080	1.45	2.5
LP0021	7.0-10	2.5	70	100	45	2580	2580	1.65	2.5
LP0022	7.0-10	3	70	100	45	3080	3080	2	2.5
LP0023	7.0-10	4	70	100	45	4080	4080	2.6	2.5

Lateral Packer Systems

Part Number	Size		Size Usage Range (mm)		Deflated Packer (mm)		Rubber Body Length (mm)	Weight (kg)	Inflation Pressure (bar)
		(m)	Min Dia	Max Dia	Diameter	Length			
LP0024	7.0-10	5	70	100	45	5080	5080	3	2.5
LP0025	10.0-15	0.7	100	150	65	840	720	1.2	2.5
LP0026	10.0-15	1	100	150	65	1140	1020	1.6	2.5
LP0027	10.0-15	1.5	100	150	65	1700	1580	2	2.5
LP0028	10.0-15	2	100	150	65	2200	2080	2.5	2.5
LP0029	10.0-15	2.5	100	150	65	2700	2580	2.9	2.5
LP0030	10.0-15	3	100	150	65	3200	3080	3.3	2.5
LP0031	10.0-15	4	100	150	65	4200	4080	4	2.5
LP0032	10.0-15	5	100	150	65	5200	5080	5	2.5
LP0033	15.0-20	0.7	150	200	85	840	720	2	2.5
LP0034	15.0-20	1	150	200	85	1140	1020	2.6	2.5
LP0035	15.0-20	1.5	150	200	85	1700	1580	3.2	2.5
LP0036	15.0-20	2	150	200	85	2200	2080	3.9	2.5
LP0037	15.0-20	2.5	150	200	85	2700	2580	4.5	2.5
LP0038	15.0-20	3	150	200	85	3200	3080	5.1	2.5
LP0039	15.0-20	4	150	200	85	4200	4080	6.4	2.5
LP0040	15.0-20	5	150	200	85	5200	5080	8.7	2.5
LP0041	15.0-25	0.7	150	250	105	840	720	2.9	2.5
LP0042	15.0-25	1	150	250	105	1140	1020	3.6	2.5
LP0043	15.0-25	1.5	150	250	105	1700	1580	4.3	2.5
LP0044	15.0-25	2	150	250	105	2200	2080	5.1	2.5
LP0045	15.0-25	2.5	150	250	105	2700	2580	6.0	2.5
LP0046	15.0-25	3	150	250	105	3200	3080	6.7	2.5
LP0047	15.0-25	4	150	250	105	4200	4080	8.2	2.5
LP0048	15.0-25	5	150	250	105	5200	5080	11.1	2.5



Optional Equipment



Single Fitting Controller



8 bar Regulator
(RE0034)



Scuba 300 Bar Regulator
(RE0036)



Yellow Inlet Hose
(2m: HS-01-04-02-06-06
5m: HS-01-04-05-06-06
10m: HS-01-04-10-06-06)



Red Outlet Hose
(5m: HS-02-01-05-06-06
10m: HS-02-01-05-06-06)



Green Outlet Hose
(5m: HS-02-02-05-06-06
10m: HS-02-02-05-06-06)



Blue Outlet Hose
(5m: HS-02-03-05-06-06
10m: HS-02-03-05-06-06)



Yellow Outlet Hose
(5m: HS-02-04-05-06-06
10m: HS-02-04-05-06-06)



Series 25 Female Locking Coupling
(010475)



Series 26 Female Coupling
(010451)

INFLATABLE SHELTERS



Inflatable Shelters



MFC International's Shelters provide a quickly deployable shelter for rapid response and emergency situations. The design makes the shelters lighter and more compact and therefore easier to transport and carry to any situation. The shelters are available as Fire retardant if required.

Fully inflatable, these Shelters can be set up in a matter of minutes, and will stay standing without continuous inflation. With no mechanical framework the shelters are lightweight to transport and compact to store. All shelters are supplied with removable end panels and 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.

Relied upon by armed forces, emergency services and humanitarian organisations worldwide, these shelters are frequently used for applications such as field hospitals, command centres, crime scene preservation, storage areas and vehicle maintenance shelters.

MFC International Shelters are supplied with a comprehensive range of standard equipment, along with a large choice of optional add-ons such as heating, lighting and removable floors.

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

Used For:

- Crisis rescue
- Flood rescue
- River rescue
- Flooded coastal and urban areas
- Casualty recovery
- Shallow water rescue



Technical Data for Standard Inflatable Shelter:

Technical Data	9	12	16	20	25	30	36	51
Product Code	SH0054	SH0055	SH0056	SH0057	SH0058	SH0059	SH0060	SH0061
Length (cm)	300	400	400	500	500	600	600	850
Int. Length (cm)	300	400	400	500	500	600	600	850
Width (cm)	310	310	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)	7.9	10.6	14.12	17.65	22.65	27.2	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

Technical Data for Fire Retardant Inflatable Shelter:

FR Specs: BS7837/ FAR25,853A/ 30CFR87.27

Technical Data	9	12	16	20	25	30	36	51
Product Code	SH0066	SH0067	SH0068	SH0069	SH0070	SH0071	SH0072	SH0074
Length (cm)	300	400	400	500	500	600	600	850
Int. Length (cm)	300	400	400	500	500	600	600	850
Width (cm)	310	310	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)	7.9	10.6	14.12	17.65	22.65	27.2	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)	43	53	67	87	97	104	127	156

Inflatable Shelters



STANDARD EQUIPMENT

Standard Colour: White, other colour options are available on request.

**Guy Lines with
adjuster**
(530075)

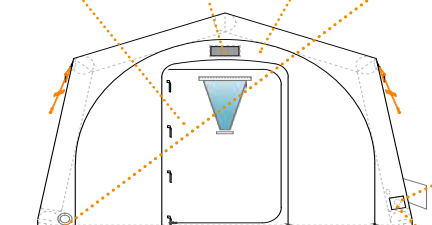
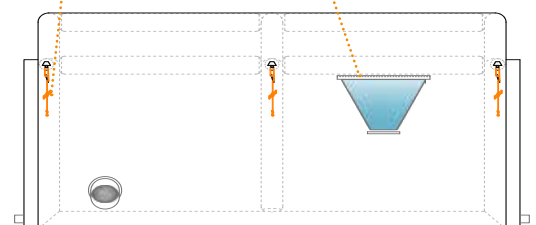
Window c/w blind
(SH9111)

Door

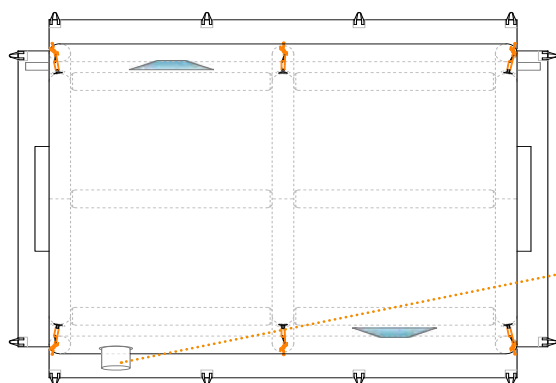
Vent

End Panels

Cable Sleeve
(SH9075)



A6 Relief Valve
(050051)



Heater Sleeve
(SH9074)



Valise
(Code depending
on size of shelter)



**D7 Inflate/Deflate
Valve**
(050065)



Repair Kit
(600002)



1m Delivery Hose (for
use with 8 bar regulator)
(HS-03-04-01-09-17)



Peg Set Bag
(SH9042)



Steel Picket Small
(490008)



Steel Picket Large
(490007)



Hammer
(220001)

Optional Equipment



**Additional Windows
c/w blind
(SH9111)**



Lettering/Logos



**Bravo2000
Electric Inflator
(180026)**



**8 bar Regulator
(RE0034)**



**Electric Heater
(SH9085)**



**Gas Heater
(DS9035)**



**Additional Heater
Sleeve
(SH9074)**



**Additional Cable
Sleeve
(SH9075)**



**LED Lamp with
Strap
(SH9112)**



**Central Partitions
(Part number on
request)**



**Attachment Points
(530072)**

	Standard Shelters	FR Shelters
Additional Windows	✓	✓
Lettering/Logos (Dacron)	✓	✓
bravo 2000 Electric Inflator	✓	✓
8 Bar Regulator	✓	✓
LED Lamp with Strap	✓	✓
Electric Heater	✓	✓
Additional Cable Sleeve	✓	✓
Additional Heater Sleeve	✓	✓
Gas Heater	✓	✓
Central Partitions	✓	✓
Ground Sheet	✓	✓
Internal Liners	✓	✓
Attachment points	✓	✓
Removable floors	✓	✓

DECONTAMINATION



Single Decontamination Shower



Lightweight and quick to deploy, the inflatable Single Decontamination Shower range from MFC International allow for rapid response. Fully inflatable, these Decontamination Showers can be set up in a matter of minutes, and will stay standing without continuous inflation. With no mechanical framework the shelters are lightweight to transport and compact to store. The Decontamination Showers come in two different styles, single with gloves or single without gloves.

Optional raised floor panels prevent contact with contaminated shower wash-off, which is collected in a PVC chemically resistant sump. Sleeves for pumped extraction of contaminated water are included as standard. Showers can be used on hard or soft standing, and guy ropes are provided for securing in position during inclement weather.

- Lightweight and easily portable
- Will be set up within a matter of minutes and will stay standing without continuous inflation
- Raised floor panels prevent contact with contaminated shower wash off which is collected in a PVC chemically resistant sump
- Sleeves for pumped extraction of contaminated water are included as standard
- Chemical resistant PVC gloves are added onto the sides of the shower to allow a second person to help wash down the contaminated person
- Can be used on hard or soft standing and guy ropes are provided for securing in position
- Minimal training, servicing and maintenance costs

Technical Data	Single Without Gloves	Single With Gloves
Product Code	DS0022	DS0022/001
Length (cm)	143	156
Int. Length (cm)	110	123
Width (cm)	156	143
Int. Width (cm)	123	110
Height (cm)	250	250
Int. Height (cm)	215	215
Working Pressure (bar)	0.55	0.55
No. Of chambers	1	1
Air Requirements (ltr)	400	400
Max. Water Inlet Pressure (bar)	3	3
Recommended pump flow-capacity (ltrs)	10/minute per nozzle	10/minute per nozzle
Pack size (cm)	70x45x30	70x45x30
Weight (kg)	25	25
Number of Shower Nozzles	5	5
Number of Shower hose connectors	1	1
Number of Shower Brush Connectors	1	1
Number of Tubing Sleeves,	2	2

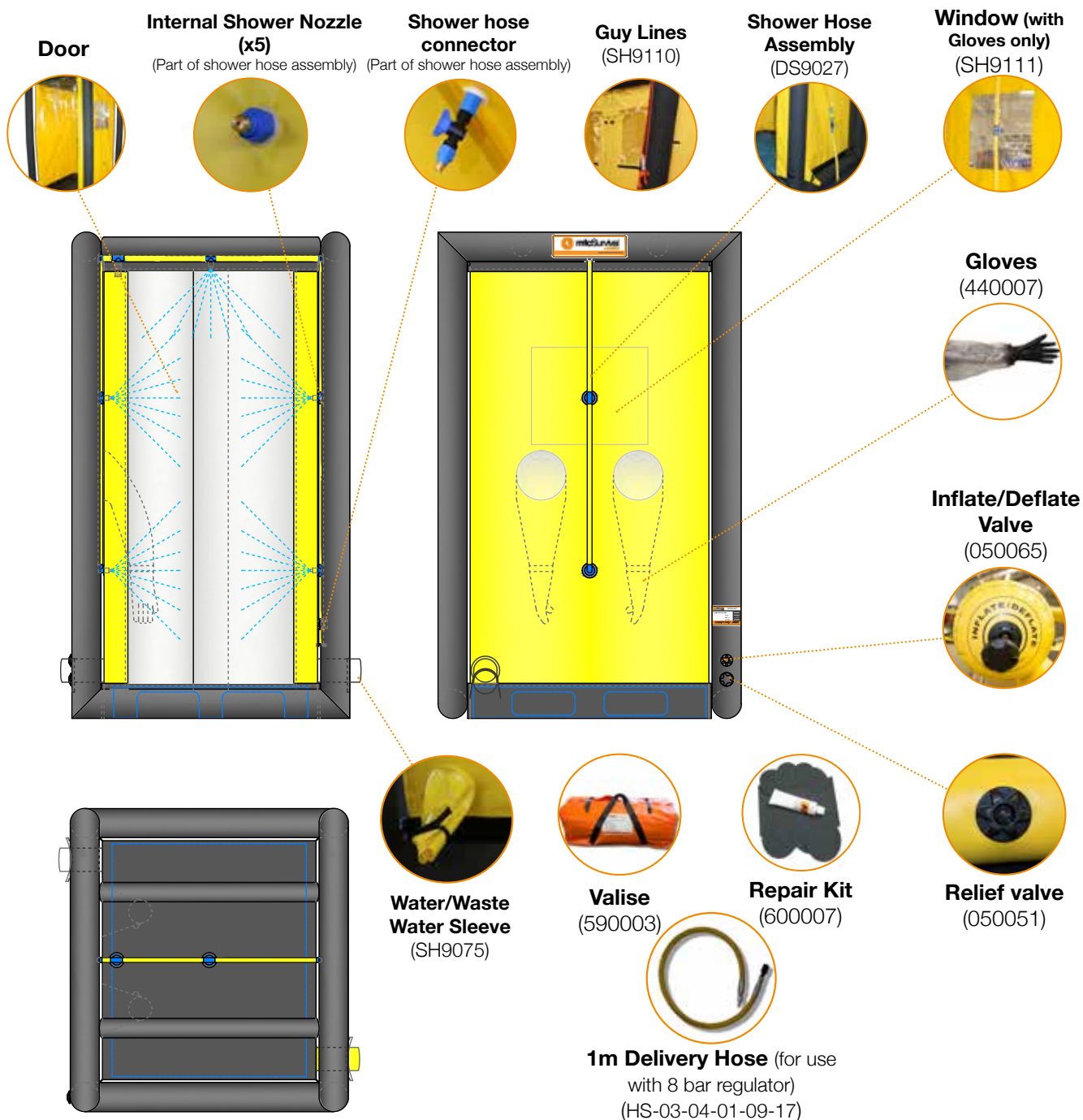
Used For:

- Decontamination scenarios

Single Decontamination Shower



STANDARD EQUIPMENT



Four Person & Mass Decontamination Unit



Lightweight and quick to deploy, the inflatable Four Person Decontamination Unit from MFC International allow for rapid response. Fully inflatable, the Decontamination Unit can be set up in a matter of minutes, and will stay standing without continuous inflation. With no mechanical framework the shelters are lightweight to transport and compact to store.

The mass Decontamination shower is internally partitioned into three lanes (male, female & assisted casualty), with pre and post decon changing areas. Optional raised floor panels prevent contact with contaminated shower wash-off, which is collected in a chemically resistant sump. Sleeves for pumped extraction of contaminated water are included as standard. Showers can be used on hard or soft standing, and guy ropes are provided for securing in position during inclement weather.

- Lightweight and easily portable
- Will be set up within a matter of minutes and will stay standing without continuous inflation
- The Mass decontamination unit is internally partitioned into three lanes with pre and post decon changing rooms
- Sleeves for pumped extraction of contaminated water are included as standard
- Optional raised floor panels prevent contact with contaminated shower wash off which is collected in a chemically resistant sump
- Can be used on hard or soft standing and guy ropes are provided for securing in position
- Minimal training, servicing and maintenance costs

Technical Data	Four	Mass
Product Code	DS0017	DS0026
Length (cm)	234	750
Int. Length (cm)	204	730
Width (cm)	310	470
Int. Width (cm)	250	410
Height (cm)	260	290
Int. Height (cm)	230	260
Int. Floor Area (sq.m)	7.5	30
Air Requirements (ltr)	1100	3800
Max. Water inlet pressure (bar)	3	3
Recommended pump flow-capacity (ltrs)	10/minute per nozzle	10/minute per nozzle
Pack size (cm)	120x70x45	160x80x60
Weight (kg)	60	90
Number of Shower Nozzles	12	12
Number of Shower hose connectors	2	4
Number of Shower Brush Connectors	2	2
Number of Heater Sleeves	2	2
Number of Cable Sleeves	2	6

Used For:

- *Decontamination scenarios*

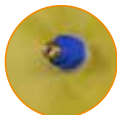
Four Person & Mass Decontamination Unit

STANDARD EQUIPMENT

Repair Kit
(600003)



Internal Shower Nozzle (x12)
(Part of shower hose assembly)



Shower hose connector x2
(Part of shower hose assembly)



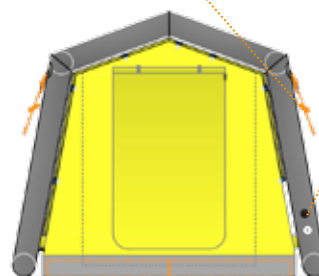
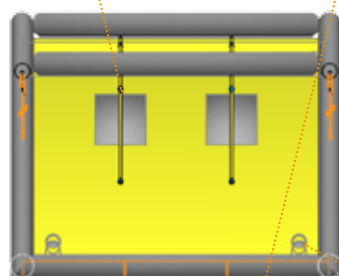
Guy Lines
(SH9110)



D7 Inflate/Deflate Valve
(050065)



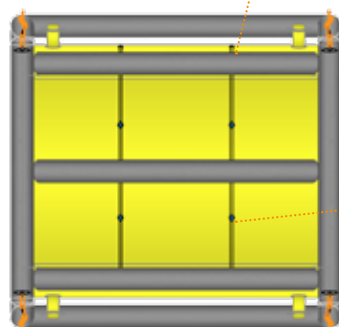
1m Delivery Hose (for use with 8 bar regulator)
(HS-03-04-01-09-17)



FOUR PERSON



Valise
(590016)



Internal Shower Brush Connector (x2)
(010406)

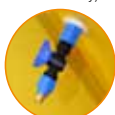


Heater Sleeve
(SH9074)

Shower Hose Assembly
(DS9028)



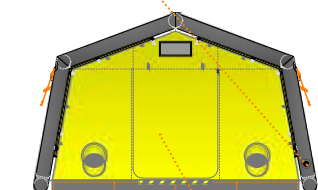
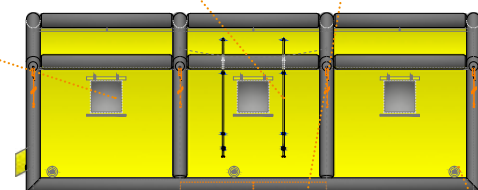
Shower hose connector x4
(Part of shower hose assembly)



A6 Relief valve
(050051)



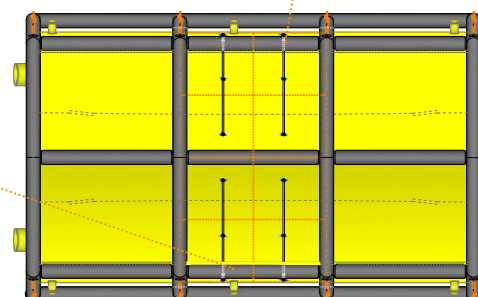
Windows C/w Blind
(SH9111)



MASS



Internal Shower Brush Connector (x4)
(010406)



Water/Waste Water Sleeve
(SH9075)



Door

Optional Equipment



Lettering/Logos



Pallets
(140018)



Hand Brush Assembly
(DS9050)



8 Bar Regulator
(RE0034)



Clean Water Tank
(WS0028)



Waste Water Tank
(WS0017)



Dosatron Detergent Dispenser
(180023)



Inlet Water Pump
(180022)



Bravo2000 Electric Inflator
(180026)



Outlet Water Pump
(180021)

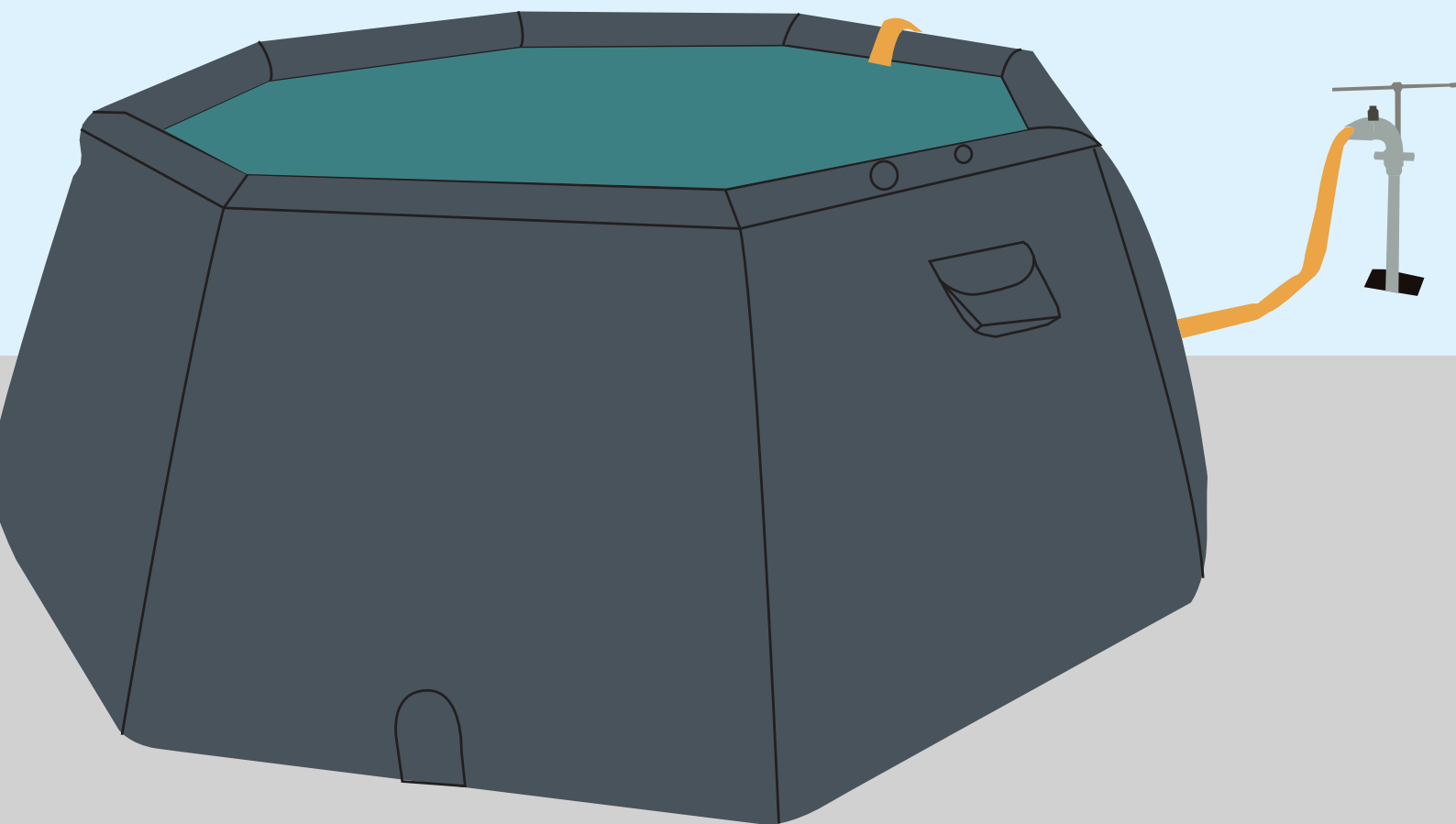


Berm
(DS9045)

Single Decon Shower
Four Person Decon Unit
Mass Decon Unit

	Single Decon Shower	Four Person Decon Unit	Mass Decon Unit
Lettering / Logos (dacron)	✓	✓	✓
Plastic Pallets	1	8	8
Hand Brush Assembly	✓	✓	✓
8 Bar Regulator	✓	✓	✓
Clean Water Tank	✓	✓	✓
Waste Water Tank	✓	✓	✓
Dosatron Detergent Dispenser	✓	✓	✓
Inlet Water Pump	✓	✓	✓
Outlet water Pump	✓	✓	✓
Bravo 2000 Electric Inflator	✓	✓	✓
Berms	✓	✓	✓
Groundsheet	✓	✓	✓

WATER STORAGE



Inflatable Reservoir



Inflatable reservoirs are a simple, quickly deployable solution for the storage of water and other liquids. Ideal for rapid response emergency situations, these reservoirs can be transported to the scene and set up easily, providing an immediate storage container.

Filling the reservoir is quick and easy; a flotation collar around the rim is inflated using a compressed air cylinder, hand pump or compressor. As water is then pumped into the reservoir this collar will automatically lift the sides of the tank with the rising water level, creating a fully self-supporting water storage solution in minutes.

With no structured frame the reservoirs are lightweight and compact to store when empty and come supplied in a strong carrying valise. They require minimal ground preparation before use and an additional ground sheet is provided for use where necessary. The Reservoirs are constructed from exceptionally durable heavy-duty material, making them tough and reliable time after time. In addition, reservoirs are very low maintenance, they are easy to clean, and straightforward to repair using the kit provided. As well as emergency and disaster response situations, these Reservoirs are extremely useful for the containment of water, foam concentrates, chemical spillage waste and much more

- Lightweight and easily portable
- Quick and Easy to fill
- A Flotation collar around the rim is inflated using a compressed air cylinder, hand pump or compressor
- As water is pumped into the reservoir the collar will automatically lift the sides of the tank with the rising water level, creating a fully self-supporting water storage solution in minutes
- They require minimal ground preparation before use
- Crease removing straps incorporated into the design
- Minimal training, servicing and maintenance costs

Used For:

- *Emergency and disaster response situations*
- *Containment of liquids*
- *Storing chemical spillage waste*

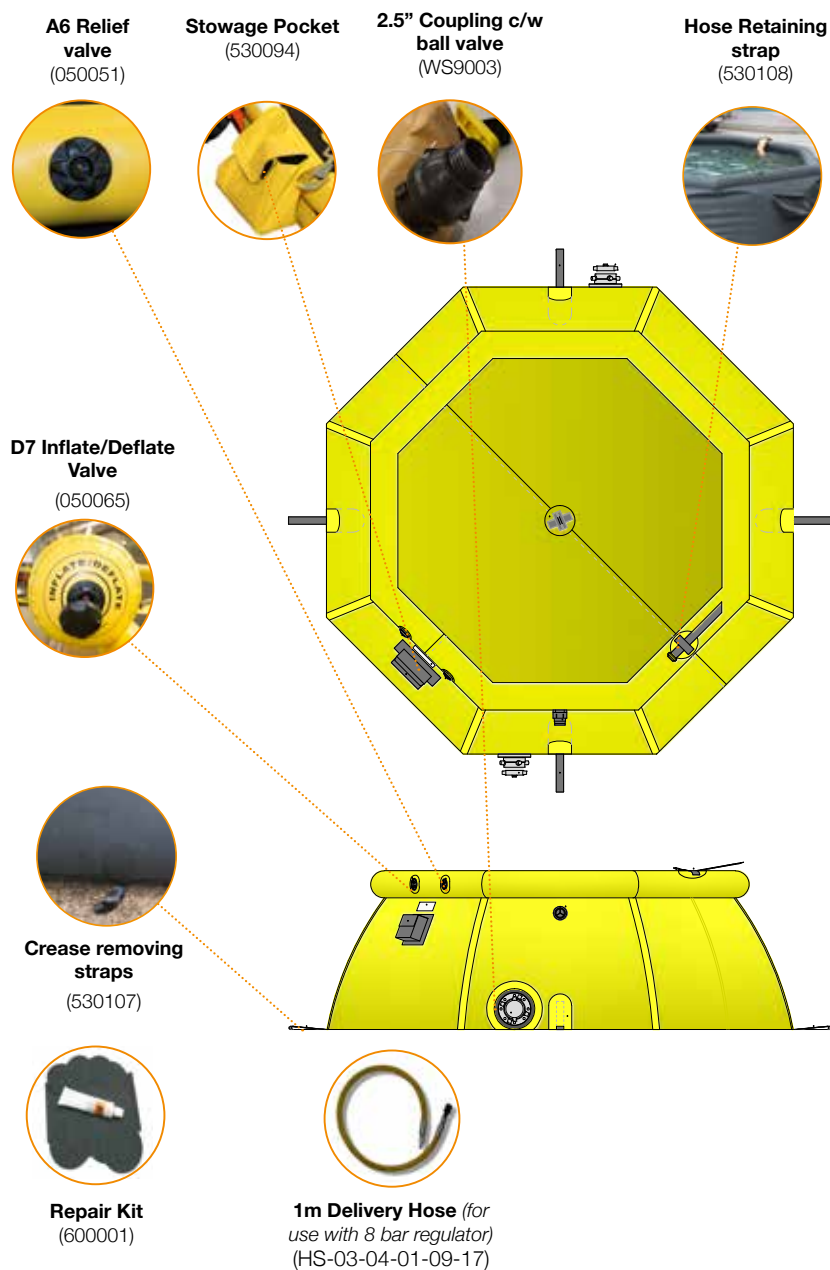
Technical Data	500	1000	1500	2000	2500	3000	4000	6000	8000	10000	12000	15000
Base Size (cm)	130	220	220	260	260	250	290	350	400	440	460	500
Height (cm)	70	80	80	90	90	90	110	115	120	120	100	120
Weight (kg)	12	18	24	28	29	32	40	51	58	81	95	104

Note: Other Reservoir sizes may be produced to order. Pack size and weight dependent on couplings selected.

Inflatable Reservoir



STANDARD EQUIPMENT



Pillow Tanks



MFC International's range of Pillow Tanks provide a robust and quickly deployable solution for the storage and transportation of water. There are two ranges of pillow tanks- Potable and non-potable. Manufactured with integrated handles and lifting points on larger sizes, MFC Survival Pillow Tanks are designed to be as easy as possible to transport when full. They come complete with restraining straps to limit movement during transportation and are suitable for use on various different vehicles, including on the back of a 4x4. When empty the Pillow Tank collapses down for compact storage and can be carried by 1-2 people.

Constructed from exceptionally strong and durable PVC material, Pillow Tanks provide a reliable solution for temporary or long term water storage. They are very quick and straightforward to deploy and can be manufactured for potable drinking water, making them ideal for use in disaster relief situations. MFC Survival Pillow Tanks are available in a range of sizes and colours, and we can offer a wide variety of fittings for filling and emptying the tanks. If you have specific requirements we are confident we can meet your needs.

- Lightweight and easily portable when filled
- Suitable for use on various different vehicles
- When empty the Pillow Tank collapses down for compact storage
- Exceptionally tough and durable
- A reliable solution for temporary or long term water storage
- Quick and straightforward to deploy
- Can be manufactured for potable drinking water, making them ideal for use in disaster relief situations
- Minimal training, servicing and maintenance costs

Used For:

- Disaster Relief
- Temporary drinking water
- Contaminated water during Decontamination

Capacity (litres)	250	400	500	1000	5000	10000
Product Code: Potable	WS0025	WS0026	WS0027	WS0028	WS0029	WS0030
Product Code: Non-Potable	WS0014	WS0015	WS0016	WS0017	WS0018	WS0024
Length (cm)	90	117	117	150	400	510
Width (cm)	80	75	95	150	225	220
Height (when full) (cm)	35	53	53	55	57	100

Note: Other sizes may be produced to order.

STANDARD EQUIPMENT

Repair Kit

2.5" Coupling c/w
ball valve
(530118)

Carrying Handles
x4



Berms



MFC International offer a Berm to complete the decontamination package. The Berm acts as a mobile pool for hygienic and decontamination purposes Suitable for short-term storage of petroleum products and chemicals Resistant to technical liquids (chemical resistance list available) Each product has a built-in liquid level indicator.

Used For:

- *Disaster Relief*
- *Decontamination*

Capacity (litres)	900
Product Code:	DS9045
Length (cm)	150
Width (cm)	150
Height (cm)	42.5
Weight (kg)	18
Packed Size (cm)	118X50X8

Optional Equipment



Groundsheet
(Part number
depending on
size)



**4.5" Coupling c/w
ball valve**
(530118)



10m Yellow Hose



8 bar Regulator
(RE0034)



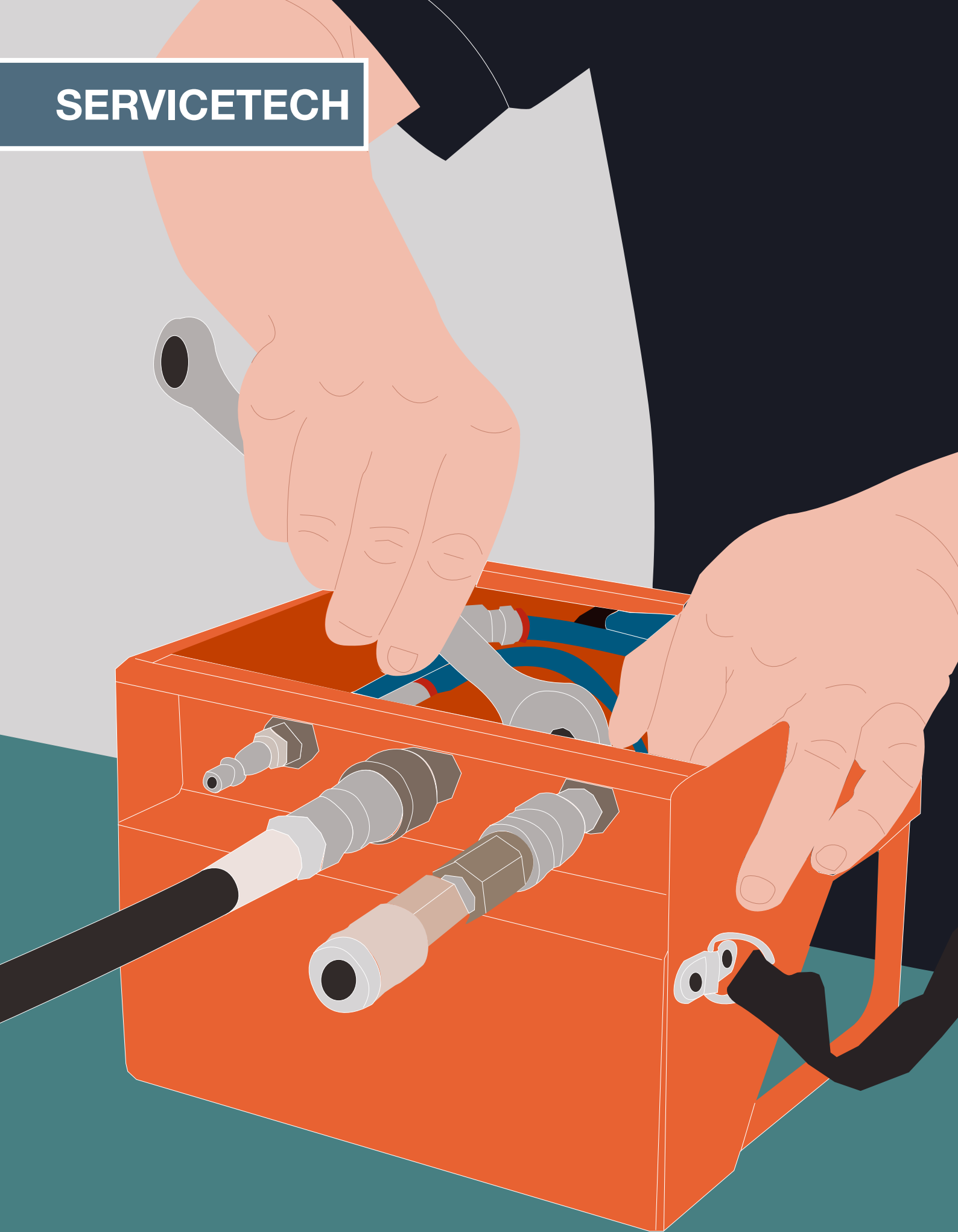
**Bravo 4 ALU R.E.D
Hand Pump**
(180001)



**Bravo2000
Electric Inflator**
(180026)

	Inflatable Reservoirs	Pillow Tanks
Groundsheet (various sizes available to suit different sized reservoirs/pillow tanks)	✓	✓
4.5" Coupling c/w Ball Valve	✓	x
10m Yellow Hose	✓	x
8 Bar Regulator	✓	x
Bravo 4 ALU R.E.D Hand Pump	✓	x
Bravo 2000 Electric Inflator	✓	x

SERVICETECH



Servicing



Our skilled and fully trained Service Engineers provide third party certification for your equipment that helps with a safety audit trail for the HSE and assist you to ensure that the equipment is suitable for use and complies with the latest regulations.

RESCUE EQUIPMENT SERVICING

- Water rescue equipment
- Life jackets
- Rapid response shelters & decontamination showers
- Low and high pressure lifting bags and mats
- Controllers and regulators
- Water storage equipment

Repairs



ServiceTech can carry out a range of minor repairs on site, but also offer a factory repair service for more major repair work. Decontamination, shelter, rescue and recovery equipment is repaired at the MFC Survival factory in Tonypandy, South Wales.

Typically patching of inflatable equipment can be carried out on site and repair kits are also available for minor repairs of rescue equipment.

Contact us on 01737 309 100 and we can advise on whether the repair work required would be able to be done on site or whether a factory repair is necessary.



MFCInternational

by RESPIREX

ENGINEERED INFLATABLE PRODUCT SOLUTIONS

MFC International

Naval Yard

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