



MFC International

by RESPIREX

ENGINEERED INFLATABLE PRODUCT SOLUTIONS





High-Pressure Lifting Bags

- 04 The Usage of Lifting Bags
- 05 Stak Jak / Powermat Comparison
- 06 Stak Jak
- 08 Powermat

Low-Pressure Lifting Bags

- 10 3 Tier Bag
- 11 0.5 Bar Lifting Bags
- 12 1 Bar High Lifting Bags
- 13 Air Force X1 Bag
- 14 0.5 Bar High Lifting Bags
- 15 Catch Bag

Water Rescue

- 16 Multifunction Craft
- 18 Rescue Sled
- 20 Evacuation Raft
- 22 Airtrack Rescue Path
- 24 Animal Rescue Path
- 25 RSW Rescue Sled
- 26 Inflatable Stretcher
- 27 API Stretcher

Inflatable Shelters

- 28 Welded Inflatable Shelters

Decontamination

- 30 Single Decontamination Shower
- 31 Four Person & Mass Decontamination Unit

Water Storage

- 32 Inflatable Reservoir
- 33 Pillow Tanks

Accessories

- 34 Controllers & Regulators
- 35 Hoses & Couplings



MFC International are a specialist manufacturer of inflatable rescue, recovery, survival and sewer maintenance equipment based in Tonypanyd, 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 Tonypanyd, 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 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.

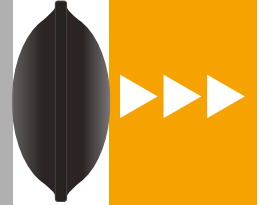


The Usage of Lifting Bags

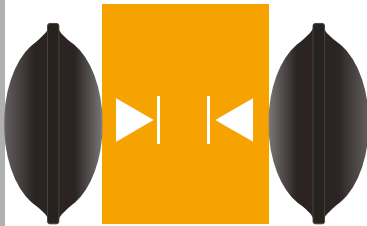
Our StakJaks and Powermats are intended for lifting, lowering, positioning, spreading, pushing and moving of loads. They are mainly used in rescue operations and industrial lifting.



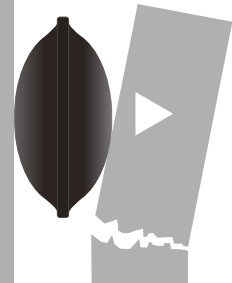
LIFTING



SPREADING



FIXING



PUSHING

IMPORTANT NOTE:

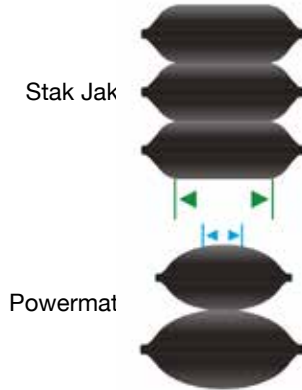
Non-compliance with the instructions for use may result in injury. Always read the instructions carefully before using lifting bags.



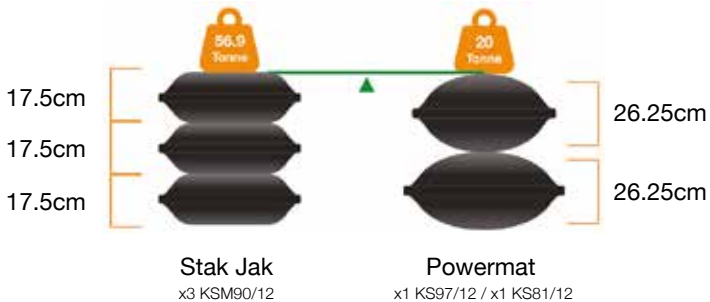
	STAK JAK	POWERMAT
Safely stack up to	3 Bags Max	2 Bags Max
Controlled lifting	Yes	No
Stability	Yes	No
Thickness (mm)	25	25
Flat surface when inflated	Yes	No
Lifting capacity remains constant through the lift even at full height	Yes	No
Kevlar cord	Yes	Yes
Minimum size of the bag (cm) (width x length)	40x40	15x15
Maximum size of the bag (cm) (width x length)	92x92	92x92
Retain their flat profile eliminating rolling and shifting	Yes	No

ADVANTAGES OF STAKJAKS COMPARED TO POWERMATS

GREATER CONTACT SURFACE AND STABILITY



INCREASED LIFT CAPACITY





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 bags of which the most significant is the ability to safely stack up to three bags 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 slimline 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 bags to safely stack on top of one another
- Provide a strong and steady lift to stabilize a vehicle and improve access to casualties
- Lifting capacity remains constant throughout the lift, even at full height - unlike ovoid mats
- Connecting straps used between each bag provide additional stability and prevent bags 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
- Manufactured from Neoprene (Polychloroprene) rubber for greater oil, fuel and chemical resistance
- Rapid inflation capability provides 'instant lift'
- Large lift capacity and height
- Controlled deflation/lowering capability



TECHNICAL DATA - 8 BAR

	KSM17	KSM25	KSM49	KSM60
Product Code	KSM17/08	KSM25/08	KSM49/08	KSM60/08
Length (cm)	52	62	84	92
Width (cm)	52	62	84	92
Inflated Height (cm)	17.5	17.5	17.5	17.5
Deflated Height (cm)	2.5	2.5	2.5	2.5
Pack Size (cm)	55x55x4	65x65x4	88x88x4	95x95x4
Max. Lifting Capacity at Min. Lifting Height (tonne)	16.9	25.4	47.6	57.5
Max. Lifting Capacity at Max. Lifting Height (tonne)	4.4	9.4	24.9	33.7
Max. Flat Area (cm)	24x24	34x34	56x56	64x64
Air Requirements (ltr)	171	268	555	691
Weight (kg)	8	12	20	23
Max. Pressure (bar)	8	8	8	8

TECHNICAL DATA - 12 BAR

	KSM26	KSM38	KSM74	KSM90
Product Code	KSM26/12	KSM38/12	KSM74/12	KSM90/12
Length (cm)	52	62	84	92
Width (cm)	52	62	84	92
Inflated Height (cm)	17.5	17.5	17.5	17.5
Deflated Height (cm)	2.5	2.5	2.5	2.5
Pack Size (cm)	55x55x4	65x65x4	88x88x4	95x95x4
Max. Lifting Capacity at Min. Lifting Height (tonne)	28.1	41.6	78.6	93.6
Max. Lifting Capacity at Max. Lifting Height (tonne)	8.6	16.2	39.8	51.6
Max. Flat Area (cm)	24x24	34x34	56x56	64x64
Air Requirements (ltr)	256	401	833	1036
Weight (kg)	8	12	20	23
Max. Pressure (bar)	12	12	12	12



The Powermat is a heavy duty, high pressure lifting bag 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 12 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
- Rapid inflation capability provides 'instant lift'
- Constructed from exceptionally tough Kevlar cord, but are light enough to be carried by one person
- Manufactured from Neoprene (Polychloroprene) rubber for greater oil, fuel and chemical resistance
- Large lift capacity and height
- Controlled deflation/lowering capability



TECHNICAL DATA - 8 BAR

	KS1	KS3	KS5	KS10	KS12	KS16	KS21	KS29	KS33	KS46	KS54	KS67
Product Code	KS01/08	KS03/08	KS05/08	KS10/08	KS12/08	KS16/08	KS21/08	KS29/08	KS33/08	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	12	15	20	22	25	28	34	36	42	46	50
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	2.9	4.6	9.4	11.2	14.9	19.3	29.3	32.9	46.8	56.1	68.6
Air Capacity at 8 bar (ltr)	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
Maximum Pressure (bar)	8	8	8	8	8	8	8	8	8	8	8	8

TECHNICAL DATA - 12 BAR

	KS2	KS5	KS8	KS16	KS18	KS23	KS30	KS43	KS49	KS68	KS81	KS97
Product Code	KS02/12	KS05/12	KS08/12	KS16/12	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 (ltr)	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
Maximum Pressure (bar)	12	12	12	12	12	12	12	12	12	12	12	12



Three-tier low pressure airlift bags are designed primarily for the recovery of smaller vehicles. They have a large contact area and uniformly distribute pressure across the lift surface 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
- 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
- Strong and durable
- Slip-resistant top surface
- Low maintenance costs
- Large lift capacity and height
- Controlled deflation capability

TECHNICAL DATA

3 Tier Bag

Product Code	LB0068
Materials	Hypalon Coated Nylon
Length (cm)	55
Width (cm)	45
Inflated Height (cm)	60
Deflated Height (cm)	5
Lift at Max. Pressure (kg)	1780
Air Requirements (ltr)	150
Packed Weight (kg)	14.5
Max. Pressure (bar)	2



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

- Lightweight and easily portable
- Provide a strong and steady lift to stabilize a vehicle and improve access to casualties
- Strong and durable
- Slip-resistant top surface
- Exceptionally stable
- Low maintenance costs
- Large lift capacity and height
- Controlled deflation capability

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 of Two Bags (kg)	30	34	45	50



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

- Lightweight and easily portable
- Provide a strong and steady lift to stabilize a vehicle and improve access to casualties
- Strong and durable
- Slip-resistant top surface
- Exceptionally stable
- Low maintenance costs
- Large lift capacity and height
- Controlled deflation capability

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 of Two Bags (kg)	30	34	45	50



Air Force X1 bags have been designed to military specifications. The Air Force X1 lifting bag is capable of lifting up to 5 tonnes on its own or 10 tonnes when used as a pair. The Air Force X1 lifting bag is relatively low pressure which means its soft footprint enables you to lift objects on soft ground such as snow, sand or ice. It exerts a soft force against the load, preventing damage to vulnerable structures. The lifting surfaces are extremely strong and durable and it can be inflated over broken glass or other sharp hazards.

- Lightweight and easily portable
- Strong and durable
- Exceptionally stable
- Low maintenance costs
- Large lift capacity and height
- Controlled deflation capability
- Side wall constructed from heavy duty neoprene fabric

TECHNICAL DATA

Air Force X1 Bag

Product Code	LB0075
Diameter (cm)	Ø80
Inflated Height (cm)	60
Deflated Height (cm)	5
Lift at Max. Pressure (tonne)	5
Max. Pressure (bar)	1
Air Requirements (ltr)	302
Packed Size (cm)	Ø80 x 20
Packed Weight (kg)	34



Our range of 0.5 bar pressure high lifting bags are 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 bags 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
- Slip-resistant 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

TECHNICAL DATA

	120	210
Product Code	LB0077	LB0078
Materials	Neoprene Coated Nylon	
Area Dimensions (cm)	Ø135	Ø145
Inflated Height (cm)	120	210
Deflated Height (cm)	10	10
Max. Pressure (bar)	0.5	0.5
Lift at Max. Pressure (kg)	7200	9000
Air Requirements (ltr)	2500	5200
Weight (kg)	38.5	48.5






Catch Bags are designed to be used in conjunction with our High Lifting Bags during the uprighting of vehicles or objects. The Catch Bags prevent a rapid and dangerous decent which prevents further damage to the vehicle or object being lifted and allows for a safer environment for the recovery team.

- Quick setup, inflation and deflation
- Webbing loops assist with lifting and positioning the bags
- Strong and durable
- Replaceable protective cover
- Universal inflation sock
- Multiple Catch Bags may be used for larger vehicles or objects

TECHNICAL DATA

Catch Bag / LB0076

Materials		TPU / Polyester / TPU
Dimensions (cm)	Top 	100 x 80
	Bottom 	140 x 120
	Height 	160
Max. Operating Pressure (bar/psi)		0.2 bar / 2.9 psi
Packed Weight (kg)		14
Packed Size (cm)		71 x 69 x 27

Note: Car Catch Bags also available. Contact us for more information.



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 bridle 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

Options available



GLUED

Heavier duty, extremely durable products.



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
Capacity (kg)	800	960	1050
Working Pressure - Tube (bar)	0.2	0.2	0.2
Working Pressure - Floor (bar)	0.4	0.4	0.4
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



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.

- Lightweight and easily portable
- Easy to manoeuvre
- 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

Options available



WELDED

Lighter products, stay inflated longer without topping up and more cost effective.



GLUED

Heavier duty, extremely durable products.



TECHNICAL DATA

	RS3	RS5	RS6	RS10	RS15
Product Code	WR0001	WR0002	WR0169	WR0003	WR0005
No. Of Persons	3	5	6	10	15
O.A Length (cm)	256	331	397	400	500
O.A Width (cm)	117	117	117	190	231
O.A Height (cm)	40	40	40	56	77
Max. Load (kg)	240	400	480	800	1200
Working Pressure (bar)	0.2	0.2	0.2	0.2	0.2
Air Requirements (ltr)	530	670	710	2000	3800
Pack Size (cm)	88x35x30	88x35x30	88x35x30	88x55x35	90x70x52
Est. Weight (kg)	17	19.5	20.5	35	50
Recommended Regulator	8 bar	8 bar	8 bar	8 bar	8 bar



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
- 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

Options available



GLUED

Heavier duty, extremely durable products.



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



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 night-time 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
- Grab-lines are fitted to all sides of the Airtrack
- Towing points are fitted to both ends of the Airtrack
- Minimal training, servicing and maintenance costs

Options available



WELDED

Lighter products, stay inflated longer without topping up and more cost effective.



GLUED

Heavier duty, extremely durable products.



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
Working Pressure (bar)	0.55	0.55	0.55	0.55	0.55
Pack Size (cm)	82x48x24	87x48x28	87x48x32	87x48x35	89x73x50
Weight (kg)	12	17	22	28	55
Recommended Regulator	8 bar	8 bar	8 bar	8 bar	8 bar



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

Options available



Lighter products, stay inflated longer without topping up and more cost effective.

WELDED



Heavier duty, extremely durable products.

GLUED

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



The RSW Rescue Sled is fitted with extended tubes which provide its unique design. Based on the design of the standard Rescue Sled, it provides options for rescuing casualties from difficult situations such as weirs. Its design allows casualties to be pulled aboard through the wrap round tubes, which provide protection and also stability when in the water.

- Exceptionally tough and durable
- Rapid inflation and deployment
- Open stern for easy access and self-bailing

Options available



Heavier duty, extremely durable products.

GLUED

TECHNICAL DATA

RSW RESCUE SLED

Product Code	WR0244
No. of Persons	5 + 1
Length (cm)	500
Width (cm)	120
Internal Width (cm)	75
Floor Height (cm)	15
Tube Diameter (cm)	Ends - 23 Sides - 45
Working Pressure (psi)	Buoyancy - 3.25 Floor - 6
Max. Load (kg)	850
Air Requirements (ltr)	2000
Packed Size (cm)	80x40x35
Packed Weight (kg)	31.5



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 to carry whilst in use, with three sturdy lifting handles located on either side of the product. The stretcher 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.

Options available



Lighter products, stay inflated longer without topping up and more cost effective.

WELDED



Heavier duty, extremely durable products.

GLUED

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



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 Stretcher can be inflated using an air cylinder, bellows or a compressor and takes only minutes to deploy.

Once a casualty is in place on the stretcher it can be easily carried, dragged or tobogganed over various terrains, including snow, sand, marsh and mudflats.

Options available



GLUED

Heavier duty, extremely durable products.

TECHNICAL DATA

API STRETCHER

Product Code	WR0219
No. Of Persons	1
Length (cm)	215
Width (cm)	89
Height (cm)	41.5
Capacity (kg)	200
Air Requirements (ltr)	370
Pack Size (cm)	70x45x30
Est. Weight (kg)	11.25
Recommended Regulator	8 bar



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

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

The shelters are manufactured with a welded and taped PU frame that reduces weight and air leakage, which allows shelters to remain inflated for longer without the need for topping up (particularly in hot climates). The welded and taped canopy ensures seams remain waterproof even after repeated deployments and the heavy-duty detachable floor allows the shelter to be lowered over a vehicle or casualty if required.

Shelters are supplied with a comprehensive range of standard equipment, along with a large choice of optional add-ons such as heating, lighting and customer branding. The shelters are available with a choice of standard flame resistant (FR) canopy material colours, other colours are available in both FR & non FR materials if required.

- Rapid deployment
- Range of sizes
- Lightweight & durable welded construction
- Two windows and two ventilation panels
- Detachable floor
- Removable end panels



TECHNICAL DATA

	9	12	16	20	25	30	36	51
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
Weight (kg)	43	55	63	73	83	94	106	125
Pack Size (cm)	120x66x41	120x66x41	130x66x50	130x66x50	140x80x66	140x80x66	140x80x60	160x80x66

Note: Part numbers dependant on shelter type and colour selected. Contact MFC International for more information.

Options available



Lighter products, stay inflated longer without topping up and more cost effective.

WELDED



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.

TECHNICAL DATA

Single Without Gloves

Single With Gloves

	Single Without Gloves	Single With Gloves
Product Code	DS0022	DS0023
Length (cm)	143	143
Int. Length (cm)	110	110
Width (cm)	156	156
Int. Width (cm)	123	123
Height (cm)	250	250
Int. Height (cm)	215	215
Working Pressure (bar)	0.55	0.55
Air Requirements (ltr)	400	400
Max. Water Inlet Pressure (bar)	3	3
Weight (kg)	25	25
Pack Size (cm)	70x45x30	70x45x30
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



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.

TECHNICAL DATA

Four Person Decon

Mass Decon

	Four Person Decon	Mass Decon
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
Weight (kg)	60	90
Pack Size (cm)	120x70x45	160x80x60
Number of Shower Nozzles	12	12
Number of Shower Hose Connectors	2	2
Number of Shower Brush Connectors	2	2
Number of Cable Sleeves	2	6



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 floatation 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.

- Lightweight and easily portable
- Quick and easy to fill
- Require minimal ground preparation before use
- Crease removing straps incorporated into the design
- Minimal training, servicing and maintenance costs

Options available



Heavier duty, extremely durable products.

GLUED

TECHNICAL DATA

	500	1000	1500	2000	3000	4500	6000	7000	8000	9500	10000	12000
Product Code	WS0075	WS0076	WS0077	WS0078	WS0080	WS0082	WS0083	WS0084	WS0085	WS0086	WS0087	WS0089
Base Size (cm)	150 x 150	150 x 150	150 x 150	194 x 217	233 x 263	281 x 319	304 x 304	324 x 324	344 x 344	372 x 372	382 x 382	402 x 402
Height (cm)	37.5	60	80	103	103	103	120	120	120	120	120	120
Sides	4	4	4	6	6	6	8	8	8	8	8	8
Capacity (ltr)	500	1000	1500	2000	3000	4500	6000	7000	8000	9500	10000	12000

Note: 2500, 3500 and 18000 ltr reservoirs also available. Other reservoir sizes may be produced to order.



Our 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.

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.

- Lightweight and easily portable when filled
- Suitable for use on various different vehicles
- Reliable solution for temporary or long term water storage
- Quick and easy to deploy
- Can be manufactured for potable drinking water, ideal for disaster relief situations
- Minimal training, servicing and maintenance costs

Options available



GLUED

Heavier duty, extremely durable products.

TECHNICAL DATA

	200	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.



Controllers



Steel Controller
8 bar or 12 bar



Plastic Controller
8 bar or 12 bar



Hand Held Controller
8 bar or 12 bar



Aluminium Single Control Unit
8 bar or 12 bar



Aluminium Double Control Unit
8 bar or 12 bar



Aluminium Triple Control Unit
8 bar or 12 bar

Regulators



Regulator
8 bar or 12 bar



Scuba 300 Bar Regulator
8 bar or 12 bar

Note: Part numbers dependant on controller/regulator selected. Contact MFC International for more information.



Hoses



Blue Outlet Hose
5m or 10m



Red Outlet Hose
5m or 10m



Green Outlet Hose
5m or 10m



Yellow Inlet Hose
2m, 5m or 10m



Yellow Outlet Hose
5m or 10m

Couplings



Series 25 Female Coupling 1/4" BSP Female Thread



Series 25 Male Coupling 1/4" BSP Female Thread



Series 25 Male Coupling 1/4" BSP Male Thread



Series 26 Female Coupling 1/4" BSP Male Thread

Note: Part numbers dependant on hose length and couplings selected. Contact MFC International for more information.



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by RESPIREX

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