

innovation in
**SAFETY+
SURVIVAL**



mfcSurvival
by RESPIREX

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About MFC

MFC Survival was incorporated in 1959 at the old Naval Colliery site in Tonypanydy, South Wales. Initially the company's core business was manufacturing life jackets and life rafts for the Royal Navy and South Wales commercial shipping ports, but after time the bias shifted towards the design and manufacture of inflatable products, focusing on the defence and rescue industries.

MFC Survival quickly became a respected name in the field of inflatable's, supplying equipment under the MFC name, together with a range of OEM products to a number of well known national and international manufacturers.

MFC Survival hosts a catalogue of 'firsts'; 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 Survival became part of the Respirex International group of companies, who enjoy a worldwide reputation for providing high performance chemical and particulate personal protective equipment solutions and unrivalled after sales support and service.

Today MFC Survival continues to specialise in the design, development and manufacture of specialist inflatable equipment for the emergency and rescue services and for the UK Ministry of Defence.

Our experienced support and maintenance team can provide both on-site and off-site repair and servicing to ensure your equipment enjoys a long and productive operational life.



02 Multipurpose Rescue + Safety Products

Rescue Sled
Motorised Rescue Sled
Fibreight Recovery System
API Inflatable Stretcher
Airtrack Rescue Path
Animal Rescue Path
Mud Lance
Rescue Stick

Rescue Sled

The RS Series Rescue Sled is a water rescue craft for use in crisis rescues i.e. flood rescue, that occur primarily in rivers, flooded urban and coastal areas, mountains and lakes.

Fully inflatable, the Rescue Sled is lightweight and portable, both inflated and deflated. It is easy to manoeuvre, and can be paddled, pulled by hand, or towed by a jet ski, boat or small hovercraft. The Rescue Sled has a flat bottom, making it exceptionally stable and suitable for use in very shallow water (from only 50mm), making it perfect for help in flood rescue.

The open, low stern (not on the RS8ER) assists with casualty recovery, and enables quick rescue of wheelchair users. Once on the sled, individuals can sit on the floor surrounded by high inflatable sides, offering a comfortable and reassuring rescue craft.

The Rescue Sled is available in five standard sizes; 3, 5, 6, 10 and 15 man. The 3, 5 and 6 man sleds are ideal for swiftwater rescue, while the 10 and 15 man sleds and the RS8ER Evacuation Raft have a large floor space and capacity, making them the perfect choice for emergency evacuation and flood rescue situations. Larger sizes (up to 45 man) can be manufactured on request.



 **RS3 Rescue Sled**

RS10 Rescue Sled

- Exceptionally tough and durable
- Rapid inflation and deployment
- Easily launched into the surf zone for sea rescue, with a raised bow for optimum performance in waves
- Open stern for easy access and self-bailing (not RS8ER)
- Minimal training, servicing and maintenance costs

The Rescue Sled is a versatile piece of water rescue equipment suitable for use in a variety of different situations, including those involving Fire and Rescue Services, Water Rescue Teams, the Environment Agency, Police Divers, the RNLI, the Marine and Coastguard Agency, Mountain Rescue Teams and Airports.



Technical Information

	RS3	RS5	RS6	RS8ER	RS10	RS15
No. of persons	3	5	6	8	10	15
Length (cm)	256	311	397	350	400	520
Width (cm)	117	117	117	190	190	235
Height (cm)	40	40	40	56	56	77
Capacity (kg)	240	400	480	820	800	1200
Air Requirements (ltr)	530	670	710	1815	2000	3800
Pack size (cm)	88 x 30 x 30	88 x 35 x 30	88 x 35 x 30	88 x 50 x 33	88 x 55 x 35	90 x 70 x 52
Weight (kg)	17	19.5	20.5	35	35	46
Recommended regulator	Type 646 2 bar	Type 646 2 bar	Type 646 2 bar	Type 646 2 bar	Type 646 2 bar	Type 646 2 bar



RS8ER Evacuation Raft
- Larger RS10ER available
as an option



RS15 Rescue Sled

Specifications

Materials: Neoprene coated dropstitch, Hypalon coated polyester

Guarantee: 1 year

Standard Equipment

	RS3	RS5	RS6	RS8ER	RS10	RS15
Buoyancy chambers	2	2	2	2	4	4
Inflatable bolster	✓	✓	✓	×	×	×
Carrying handles	5	5	5	5	5	5
Boarding handles	6	6	6	×	6	14
Inflate/deflate valves	4	4	4	3	3	3
Deflate/top up valves	×	×	×	×	2	2
Relief valves	3	3	3	3	5	5
Transfer valves	×	×	×	×	2	2
Life lines	×	✓ (ext)	✓ (ext)	✓ (ext)	Int/ext	Int/ext
Towing ring	✓	✓	✓	✓	✓	✓
Control line rings	4	4	4	2	4	×
Rubstrake	✓	✓	✓	✓	✓	✓
Reflective strips	✓	✓	✓	✓	✓	✓
Stowage pockets	×	×	×	2	2	2
Righting strap/handles	✓	✓	✓	×	×	×
Repair kit	✓	✓	✓	✓	✓	✓
Inflation hose	✓	✓	✓	✓	✓	✓
Carrying valise	✓	✓	✓	✓	✓	✓
Paddles	1 kayak	1 kayak	1 kayak	2 T-handle	4 T-handle	4 T-handle
Removable bolster	✓	✓	✓	×	×	×

Optional Equipment

	RS3	RS5	RS6	RS8ER	RS10	RS15
T handle canoe paddles	✓	✓	✓	×	×	×
Paddle retaining patches	×	✓	✓	×	✓	✓
Additional storage pockets	✓	✓	✓	✓	✓	✓
Anti chafe panels on floor	✓	✓	✓	✓	✓	✓
Lettering/logos	✓	✓	✓	✓	✓	✓
Load securing points	✓	✓	✓	✓	✓	✓
Foot Pump	✓	✓	✓	✓	✓	✓

Rescue + Safety Products / Multifunction Craft /

Multifunction Craft

The Multifunction Craft is a development of our RS10 and RS15 Rescue Sleds, but the addition of a transom allows an outboard motor to be fitted, greatly increasing the sleds versatility.

The low packed weight of the Multifunction Craft allows them to be carried by a two or three man team (depending on the model) to a suitable launch point, and its large deck allows up to 14 people or one tonne of equipment to be carried (MFC14T), making them ideal for urban or rural flood evacuation and the movement of personnel, equipment or supplies.

The flat-bottomed design and shallow draft make these craft suitable for use in shallow waters from approximately 40cm deep. Weighing approximately half that of an equivalent boat, the Multifunction Craft is highly manoeuvrable and only requires a small outboard motor.

The Multifunction Craft is available in two standard sizes; 10 and 14 man. For mass flood evacuation a rescue sled can be towed behind, whilst still maintaining adequate performance and speed. To assist with boarding, the sled has integral steps at the stern (not for use when an outboard is fitted).



Multifunction Craft

The flat floor of the multipurpose transom sled offers a comfortable, dry and stable platform for passengers, and the inflatable sides give them a reassuring support to lean on.

- Tough and durable
- Weighs approximately half that of an equivalent boat
- Rapid inflation and deployment
- Compact storage
- Raised bow for better performance in waves
- Integral transom with non-return drain port and towing 'u' bolts
- Can be supplied with or without motor
- Minimal servicing and maintenance costs



Specifications

Materials: Neoprene coated dropstitch, Hypalon coated polyester

Guarantee: 1 year

Technical information

	MFC10T	MFC14T
No. of persons	10	14
Length (cm)	400	500
Width (cm)	200	217
Height (cm)	71	71
Tube diameter (cm)	48	48
Working pressure (bar)	0.2	0.2
Capacity (kg)	800	1050
Air requirement (litres)	2900	3500
Pack size L x W x H (cm)	140x50x35	165x55x35
Max engine, short shaft (Hp)	15	15
Weight (kg)	48	60
Recommended Regulator	Type 646 2 bar	Type 646 2 bar

Contact MFC Survival for details on more powerful engine options.

Standard Equipment

- 4x Buoyancy chambers
- Inflatable floor
- 5x Carrying handles
- 3x Inflate / deflate valves
- 2x Deflate / top up valves
- 5x Relief valves
- 2x Transfer valves
- Internal & external life lines
- Towing ring
- 4x Control line rings
- Rubstrake
- Reflective strips
- 2x Stowage pockets
- Painted marine ply transom
- Transom drain plug
- Motor clamp plate
- 2x towing 'U' bolts in transom
- 2x T handle paddles
- Repair kit
- Inflation hose
- Carrying valise

Optional Equipment

- Paddle retaining patches
- Load securing points
- Additional stowage pockets
- Anti-chafe panels on floor
- Lettering / logos
- Foot pump

Airtrack Rescue Path

The Airtrack is an inflatable rescue path for accessing casualties during water rescue, and rescue on mud, ice and unstable terrain.

Constructed in a catamaran shape, the Airtrack has two sponsons running lengthways down the underside of the path. This shape provides exceptional stability on water, especially during casualty recovery. It also offers clearance on ice, mud flats and unstable terrain, and prevents suction onto mud and soft surfaces.

The Airtrack rescue walkway is available in various sizes, from 2 to 10m long. For increased capacity several inflatable paths can be connected using the rapid extension link-up feature.

Specifications

Materials: Neoprene coated dropstitch, Hypalon coated polyester.

Guarantee: 1 year

Technical information

	2M	3M	4M	5M	10M
Length (cm)	200	300	400	500	1000
Width (cm)	137	137	137	137	137
Height (cm)	25	25	25	25	25
Working Pressure (bar)	0.55	0.55	0.55	0.55	0.55
Air	640	960	1280	1600	3200
Packed size (LxWxH cm)	82x48x24	87x48x28	87x48x32	87x48x35	89x73x50
Weight (kg)	12	17	22	28	55
Max load (kg)	200	300	400	500	1000

Airtracks can either be connected lengthways to extend the path, or sideways to create a rescue raft, making the Airtrack a truly versatile piece of water rescue kit.

The Airtrack is compact and portable, packing away neatly into a carrying valise provided. It can be inflated and deployed quickly allowing rescue personnel access to the casualty within minutes.

- **Non-slip top surface**
- **Strong and durable**
- **Drop stitch construction maintains a flat surface**
- **Incorporates retro reflective tape for visibility**
- **Stable**
- **Versatile**
- **Low maintenance**

The Airtrack can also be used as a temporary pontoon, rescue raft, platform or access path.



 Airtrack rescue Path



 Airtrack rescue Path

Standard equipment

- Inflate / deflate valve
- Relief valve
- Grab lines
- Anchorage points
- Towing / securing rings
- End attachment hooks
- End attachment rings
- Side joining webbings
- Side joining rings
- Stowage pockets c/w rescue line & quoit
- Reflective tape
- Carrying valise
- Inflation hose
- Repair kit
- Isolation valves

Optional equipment

- Anti-chafe kevlar on footprints
- Lettering / logos
- 'T' handle paddles

RP3 Rescue Platform

The RP3 is an inflatable platform for the recovery of casualties primarily in shallow water, mud, ice and swamp environments.

The RP3 provides a very stable rescue platform due to its catamaran style sponsons. Where necessary the platform can be operated behind a jet ski or with fast rescue craft, and is also easily paddled or line transferred.

When secured alongside rescue craft the RP3 acts as a transfer platform to facilitate easy recovery of casualties from the water, especially those on spinal boards.

In addition to spinal boards, a variety of rigid stretchers can be located on top of the platform and subsequently manoeuvred to safety.

The rescue platform packs away into a light and compact carrying valise, and is easily inflated using bellows or a B.A. bottle.

- **Non-slip top surface**
- **Versatile**
- **Stable**
- **Robust and low maintenance**
- **Quickly deployable**
- **Compact storage**
- **Easy to transport, both inflated and deflated**

 **RP3 Rescue Platform**



Specifications

Materials: Neoprene coated dropstitch, Hypalon coated polyester

Guarantee: 1 year

RP3 RESCUE PLATFORM	
No. of persons	3
Length (cm)	320
Width (cm)	98
Height (cm)	32
Capacity (kg)	240
Pack size (cm)	70 x 45 x 30
Weight (kg)	15
Working pressure (bar)	0.2
Air requirement (litres)	570

Standard Equipment

- 6x carrying handles
- 4x grab handles
- Inflate / deflate valve
- Relief valve
- Towing ring
- 4x control line rings
- 4x tie-down rings
- Reflective strips
- Kayak paddles
- Paddle retainer
- Repair kit
- Inflation hose
- Carrying valise

Optional Equipment

- 'T' handle paddles
- Lettering / logos
- Anti-chafe panels on sponsons
- Foot pump



 RP3 Rescue Platform

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 pathway
- Quick to deploy
- Low pressure
- Lightweight and portable
- Available in 5 and 10 meter lengths
- Optional anti-chafe panel available
- Designed to minimise the distress caused to the animal



 5m Animal Rescue Path

Specifications

Material: Neoprene dropstitch

Guarantee: 1 year

	5M	10M
Length (cm)	500	1000
Width (cm)	134	134
Height (cm)	12.5	12.5
Capacity (kg)	200	200
Weight (kg)	15.5	30
Pack size (cm)	66 x 34 x 25	70 x 45 x 30
Air requirement (litr)	455	910
Working pressure (bar)	0.2	0.2

Standard equipment

- Inflate/deflate valve
- Relief valve
- Carrying handles
- Repair kit
- Inflation hose
- Carrying valise

Optional equipment

- Anti-chafe panels
- Slip mat



API Stretcher

The API (All Purpose Inflatable) Stretcher is a revolutionary rescue stretcher designed to provide a safe casualty handling solution for any emergency rescue scenario.

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 areas. When deflated, the API Stretcher is compact to store, 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 inflatable stretcher it can be easily carried, dragged or tobogganed over various terrains, including snow, sand, marsh and mudflats. It can also be lifted by helicopter, hauled in the horizontal or vertical plane, and rigged as a 'Breeches Buoy' ship-to-shore transit system.

The All Purpose Inflatable Stretcher is supplied with an optional factory-fitted thermal lined canopy to provide all round protection from exposure on land or sea, and in air. The canopy has an inbuilt face visor and a two way zip to provide quick access to the casualty.

- **Quick to deploy**
- **Can be carried by hand or as a back pack**
- **Suitable for use with a spinal board**
- **Includes quick-release body straps, leg traction and securing straps**
- **Tough and durable: heavy duty anti-chafe Kevlar on underside**
- **Low maintenance**
- **Cover comes as standard**

The API rescue stretcher has undergone extensive trials by Mountain Rescue Teams which have proven it offers maximum mobility with minimum physical effort and manpower. It is used extensively in Urban Search and Rescue and is also suitable for use in many different rescue scenarios.



Specifications

Materials: Neoprene coated dropstitch, Hypalon coated polyester.

Guarantee: 1 year

Standard equipment

- 3x buoyancy chambers
- Inflatable bed
- 6x carrying handles
- 4x lifting points
- Inflate/deflate valve
- 2x Deflate / top up valves
- 2x relief valves
- 2x towing rings
- 3x body restraining straps with quick release buckles
- Foot securing strap with quick release buckle
- Anti-chafe panel under inflatable sides
- Reflective strips
- Repair kit
- Inflation hose
- Carrying valise

Optional equipment

- Insulated cover - factory fitted
- Lettering/logos
- 4 leg lifting sling

API STRETCHER

No. of persons	1
Length (cm)	255
Width (cm)	96
Height (cm)	41
Capacity (kg)	200
Pack size (cm)	70 x 45 x 30
Weight (kg)	12
Recommended regulator	Type 646 2 bar
Working pressure (bar)	0.41
Air requirement (litres)	380



API Stretcher

Fire 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.

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, or it can be used to contain small amounts of oil floating on the water surface.

- Quick to deploy
- Versatile - use in a variety of methods depending on the situation
- Regulator provided features glycerine-filled dials for protection
- Supplied in a compact, portable case
- Shut-off cap/coupling with locking pin prevents accidental release
- Also available supplied in a kit bag without control equipment
- End cap provided for use in dark conditions

Specifications

Guarantee: 1 year

Inflation hoses - BS 336 – 3:1 safety factor

Quick connect couplings – BS 336

Gauges – BS/EN837-1 class 1

Relief valve – BS6758 & ISO 4126

Operators manual – Pressure Systems

Regulations 2000

Standard Equipment

- Cylinder regulator
- Hand held controller, with automatic air flow cut out when released
- Delivery and inflation hoses
- Relief valve to prevent over-inflation
- Inflation cap / coupling throw line attachment point
- End cover for use in dark conditions
- Shut off cap / coupling with locking pin to prevent accidental release
- Robust carrying case



 Fire Hose Inflation Kit

Rescue + Safety Products / **Rescue Stick** /

Rescue Stick

The Rescue Stick is an extendable-reach rescue stick with a hooked end to assist with rescue and retrieval.

With a three section rugged extension handle, the Rescue Stick can be fixed to any length from just under 2 meters to a 4.5 meter reach with independent clamp lock between each section. Depth markers included on the Rescue Stick make it also suitable for use as a wading pole.

- Ergonomically designed hook for hook/lift/drag applications
- High visibility design for use in low light conditions
- Extendable from 2 to 4.5 meters
- Compact for transportation and on-board stowage
- Two independent clamp locks to quickly adjust length
- Depth markers

RESCUE STICK	
Weight (kg)	1.5
Stowed length (cm)	189.5
Fully extended length (cm)	467
Hook width (cm)	8.2
Hook length (cm)	12

Rescue + Safety Products / **Mud Lance** /

Mud Lance

The Mud Lance is a durable lance to loosen an animal during mud rescue. Using either water or air, the Mud Lance will overcome the suction from the mud, allowing the animal 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.

- Robust and durable - constructed from stainless steel
- Compact and portable
- Operates at 8 bar working pressure
- Quick and simple to use
- Kit contains 1m lance with carry bag

Optional equipment

- Regulator
- Delivery hose
- Screw Thread Connectors





03 Personal Protective Equipment

Water Rescue Kit

Life Jackets

Technical Rescue PFD + Rescue 800

Drysuits

Water Rescue Kit

To ensure personnel are fully prepared for any water rescue scenario, MFC Survival now supply a comprehensive range of water rescue equipment and PPE. Items in this range can either be purchased individually, as a level one or two kit, or as a completely customisable water rescue kit.

Water rescue kits come supplied in a tough, waterproof bag that can be badged or labelled as required. The following list highlights a selection of equipment available, if there are any items not featured in this list that you would be interested in we can look to source these items specifically for you.

For more details of any of these items, or to discuss sourcing an item not shown please contact us on **01443 433 075**.

- Changing mat
- Helmet c/w visor (available with light and/or coms)
- Waterproof bag
- Neoprene balaclava
- Kit Bag
- Clip on blue LED light c/w storage bag
- Neoprene gloves
- Dry suit bag
- Throw line ❶
- 50N PFD
- Dry suit – see page 28 for full options
- Thermal undersuit
- Knife
- Rescue hook
- Rescue 800 PFD – details on page 27 ❷
- Canyoneer boots
- Neoprene boots
- Safety Line ❸
- 150N Lifejacket – details on page 24 ❹
- 275N Lifejacket – details on page 24
- Neoprene socks
- Loud hailer with storage bag ❺
- Water Rescue Lanyard



Stormbreaker Life Jackets

MFC Survival's popular Stormbreaker range of life jackets provides a versatile solution for many different applications, offering comfort and unrestricted movement, without compromising on reliability and protection.

With a slim profile and split front, the Stormbreaker life jackets allow full shoulder movement, enabling the user to carry out defensive swimming techniques on their back as currently taught in swift water first responder courses. The compact design also allows full movement of the head, maintaining good forward and downward visibility even with the majority of rescue helmets.

The life jackets are constructed with interlocking lobes that self-right the wearer in less than 5 seconds. A tailored neck gives vital support to the head and neck of the individual, even if unconscious. Stormbreaker Life Jackets are available with 150N buoyancy to support an individual, or 275N buoyancy to support an individual plus their kit.

The 275N version can be ordered with either single or independent twin chambers depending on requirements. Both buoyancy options are available with either manual only, manual and automatic, or hydrostatic (hammer) inflation modes. Pressure-activated hydrostatic inflation is ideal for fire and rescue personnel working in and around water as it will not inflate accidentally in spray.

- **Comply with CEN and European PPE Safety in the Workplace Regulations**
- **Quick to don**
- **Comfortable and unobtrusive to wear**
- **Reflective tape is available which offers high visibility in poor conditions**
- **Life jackets supplied as standard with retro-reflective tape, whistle and lifting loop**
- **Available with or without a viewing panel to see if the gas canister has been activated**

To assist in the maintenance and upkeep of life jackets we can provide full testing and servicing options. Servicing can be carried out on site where required, reducing turnaround time to a matter of hours rather than days.



Optional equipment

- Heavy duty and Panotex fire proof covers
- EN approved deck harness
- Spray hood and crotch strap
- Location light and buddy line
- Disposable, wipe-clean clear protective cover
- All jackets can be supplied with a variety of operating heads and either SOLAS or EN approval.

Stormbreaker life jackets are incredibly versatile, offering an ideal solution for a variety of industries and applications, including ship, harbour and marine construction companies, water utility companies, dredging companies, work boat operators, port management, bridge construction and maintenance, and fire and rescue.

Stormbreaker Life Jackets



Technical Rescue PFD

The Technical Rescue Personal Floatation Device (PFD) is the ultimate PFD for all types of waterborne operations.

Manufactured with a rip-stop fabric outer shell, the Technical Rescue PFD is exceptionally durable and hard wearing. It has an integral layer of super-soft foam providing up to 100N of buoyancy, and padded side panels for added protection.

The Technical Rescue PFD is available in three sizes; M/L, XL/XXL and XXXL. To ensure it can be adapted to fit each individual's specific shape and size the PFD comes with fully adjustable side and shoulder straps, and two fitted crotch straps.

The Technical Rescue PFD is fully compliant with the standard ISO EN: 12402-5 (Specialist Lifejackets and Buoyancy Aids) and is available in red or yellow.

Each Technical Rescue PFD features:

- In-built quick release harness
- 2 pockets with Velcro closure, drainage and equipment clips
- 3 lash tabs
- 2 'D' rings for throw bags etc.
- Reflective markings on the front, back and shoulder straps.

 **Technical Rescue PFD**



Personal Protective Equipment / **Rescue 800 PFD** /

Rescue 800 PFD

The Rescue 800 PFD is a specialist Swiftwater Rescue PFD design for safe and practical use in hazardous conditions.

Made from high density Airex foam the Rescue 800 PFD provides 90N of positive flotation for an active swimmer. This foam also gives all round body protection from impacts and a high degree of insulation, reducing the risk of hypothermia during cold weather call-outs.

To assist water rescue personnel the Rescue 800 PFD has an integrated harness. This harness is the only safe way to attach a line to a rescue in or near water.

The Rescue 800 PFD has adjustable check buckles, and an adjustable strap on each shoulder, ensuring a safe fit for each individual's specific shape.

- Specialist Swiftwater Rescue PFD
- High visibility patches
- Manufactured from Cordura for strength and durability
- Available in a full range of sizes, from XS to XXL
- Features rescue harness with releasable clip to attach a safety line



 Rescue 800 PFD

Drysuits

MFC Survival's range of Drysuits are the ultimate in comfort, protection and durability.

To meet every requirement, MFC Survival have a selection of six world class drysuits. All suits are manufactured from the best available butyl trilamintes, 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 tape with adhesive applied by hand for accuracy. Latex seals are also available on request.

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

To ensure our drysuits last as long as possible we offer a full maintenance abd repair service that can be carried out either off or on site. This is carried out by one of our team of qualified engineers based across the country, and includes zip repair where necessary.

Each type of drysuit is available in many different sizes, with bespoke and made to measure options on request. They are all supplied with internal braces, a panel in the crotch area to minimise wear and tear and the option of customer-specific badging and printing.

Choose between neoprene and latex cuffs and seals.

Extra Lightweight

- Basic drysuit for routine flood work

Lightweight

- Double layers on knees
- SOLAS approved reflective tape
- Flexible for swift water rescue

Heavy Duty

- Double layers on knees, seat and elbow areas
- SOLAS approved reflective tape
- Strong and durable for prolonged use in hazardous environments

Half and Half

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

Breathable

- Ideal solution for up to 24hrs use and prolonged wear on stand-by
- SOLAS approved reflective tape
- Double layers on knees, seat and elbow areas

Optional Accessories

- Drysuit bag/change mat: Tough storage and carrying bag for all drysuits that opens out to create a dry changing area. Optional logo and ID pocket.
- Thinsulate undersuit: 100gsm thinsulate one piece suit with micro fibre.
- Drygloves with latex seal
- Drygloves with latex seal and thermal liner
- 3mm thick orange hood
- 3mm thick orange hood with yoke
- Safety boots
- Socks (choice of neoprene or latex)
- Cuffs

 Drysuit





04 Shelters

Inflatable Shelters



Inflatable Shelters

MFC Survival's Shelters provide a quickly-deployable shelter for rapid response and emergency situations.

Fully inflatable, these Shelters can be set up in a matter of minutes, and will stay standing without continuous inflation. With no structural 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. To maintain the structure during temperature variation an in-built pressure compensating unit is included with each shelter. Where a longer term solution is required additional framework can be supplied.

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.

- **Wide range of sizes and colours available**
- **Smaller shelters can be carried by only two people**
- **Bespoke shelters available to accommodate most specific requirements**

Available either glued or welded. Welded shelters are the most economical and lightweight option whereas glued shelters offer a more robust and long-lasting solution.

MFC Survival 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 flooring. For a full list of standard and optional equipment please see page 32.



Specifications

Materials: Frame: Neoprene/Hypalon Coated Nylon

Floor: PVC Coated Nylon

Canopy/Doors: PU Coated Nylon, Fire Retardant

Guarantee: 1 year

Type	External size LxWxH (m)	Internal size LxWxH (m)	Floor area (m ²)	Air (litres)	Working Pressure (bar)	Valise size LxWxH (cm)	Weight packed (kg)
9	3x3x2.4	3x2.6x2.2	9	900	0.2	120x66x41	40
12	4x3x2.4	4x2.6x2.2	12	1600	0.2	130x66x50	60
16	4x4x2.7	4x3.55x2.45	16	2150	0.2	140x60x60	75
20	5x4x3	5x3.55x2.75	20	2700	0.2	140x80x66	100
25	5x5x3	5x4.55x2.75	25	3300	0.2	150x80x66	115
36	6x6x3	6x5.5x2.75	36	4250	0.2	160x66x80	140
51	8.5x6x3	8.5x5.5x2.75	51	6500	0.2	160x91x80	170

Standard Equipment

- Pressure compensating units
- Relief valve to prevent over inflation
- High pressure inflation valve
- Inflate/deflate valve
- Heater sleeves
- Removable end panels
- Adjustable zipped entrances in front and rear
- Air vents
- Guy lines with adjusters
- Easy lift carrying valise
- Steel securing picket set
- Suspension hooks (drips etc)
- Repair kit
- Utility lines
- Manual inflation pump
- Inflation hose

Optional Equipment

- Power 2 KVA petrol engine generator
- 110/240v compressor inflator
- Hand held cylinder c/w regulator
- Separate circuit RCD pack power supply
- Removable floor
- Heating
- Lighting
- Logos, aerial identification etc
- Windows to customer's requirements
- Internal partitions
- Internal linings
- External fly sheet

 Inflatable Shelters





05 Vehicle Recovery Lifts

Stak Jak
Powermats
Airlift Cushions

Stak Jak

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.

In addition the Stak Jaks are not subject to the diminishing lift capacity experienced with ovoid mats. Complicated graphs and uncertain lifting heights and capacities do not need to be considered when using a Stak Jak; their lifting capacity remains constant throughout the lift, even at full height.

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.

- Flat profile avoids diminishing lift
- Stack up three cushions safely
- Supplied with Karabiner style retaining straps
- Lightweight and portable
- Controlled deflation facility
- Significantly more stable than an ovoid mat
- Versatile - designed for emergency services but also used in industry, mining, railroads, armed forces, and caravan and static unit companies

Picture above shows 2 Stak Jaks, complete with retaining straps, dual controller, 2 x 10m hose in red or green, with safety lock couplings

Specifications

Material: Re-inforced Kevlar Cord

Standards: prEN 13731

Guarantee: 1 year

	KSM11	KSM15	KSM40
Maximum lift (tonne)	11	15	40
Width (cm)	52	62	94
Length (cm)	52	62	94
Inflated height (cm)	15	17	19
Deflated height (cm)	3	3	3
Air capacity (litres)	200	350	1450
Weight (kg)	8	10.5	29
Maximum pressure (bar)	8	8	8

Standard Equipment

- 1 Stak Jak

Optional Equipment

- Bleed valve
- Snap Hook style retaining straps
- Dual controller
- 2 x 10m hose in red or green to BS EN 5774:2008 Type C
- Safety lock couplings

Powermat

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 1000kg right up to 68,000kg. Additional sizes may also be available on request.

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 air-line supply, truck air brake supply and a foot or hand pump can also be used.

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.

- **Lightweight, can be carried by one person**
- **Durable construction**
- **Lift, shift and move objects weighing up to 68,000 kg**
- **Slimline for restricted space and compact storage**
- **Low maintenance**
- **Safety lock coupling**
- **Optional bleed valve available on request**



 Powermat




Specifications

Materials: Kevlar Cord Re-inforced

Guarantee: 1 year

Standards it conforms to: prEN 13731

 Picture above shows controller, 2 x 10m hose in red or green, safety lock couplings

Technical information

	KL1	KL3	KL6	KS11	KL12	KS20	KL24	KL24L	KS29	KL33L	KL40	KS54	KS68
	1	3	6	11	12	20	24	24	29	33	40	54	68
Width (cm)	13	20	30.5	38	35	51	53	30	61	36	68	86	95
Length (cm)	14	25.5	38	38	56	51	63	100	61	115	78	86	95
Inflated height (cm)	7.5	12	16.5	20.8	17.5	28	28	17.5	35.3	20	37.5	46	52
Deflated height (cm)	2.2	2.2	2.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Air capacity at 8 bar (litres)	2.7	15.8	39	84	95	208	297	216	390	420	675	1120	1450
Weight (kg)	0.49	1.35	2.41	4.11	5.68	7.3	9.58	8.43	10.5	11.67	15.26	21.08	26

Optional Equipment

- Bleed valve
- Controller
- 2 x 10m hose in red or green to BS EN 5774:2008 Type C
- Safety lock couplings

Airlift Cushions

MFC Survival's range of Airlift cushions is a comprehensive selection of low air pressure lifting 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 upright or stabilise 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.

The Airlift cushions have a large contact area, this 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. The large contact area also helps maintain stability, even on soft or uneven terrain.

The Airlift cushions are made from exceptionally strong and durable materials with a non-slip surface to ensure the cushions stay in place throughout the lift. Inside the cylindrical-shaped cushions an internal webbing structure ensures a flat surface is maintained at the top and bottom.

- **Versatile - many different possible applications**
- **Webbing loops assist with lifting and positioning the cushions, and can be used as anchorage points.**
- **Robust and long lasting**
- **Lightweight to carry and quick to set up – rapid inflation by compressed air cylinder or compressor**
- **Hose for connection to air controller featuring quick-connect couplings**
- **In-built pressure relief valve with additional rupture diaphragm in the unlikely event of a relief valve failure**
- **Large lift capacity and height**
- **Controlled deflation capability**




A-D Series

TYPE	A	B	C	D
Material	Neoprene Coated Nylon			
Air pressure	0.5 bar			
Cushion diameter (cm)	61	76	91	122
Lift at max pressure (kg)	1488	2325	3348	5951
Inflated height (cm)	43	59	61	100
Deflated height (cm)	5	5	5	10
Packed weight (two cushions) (kg)	66	75	99	110
Air required (litres)	222	450	673	1900

AK-DK Series

Manufactured from tough and durable Kevlar

TYPE	AK	BK	CK	DK
Material	Kevlar coated Nylon			
Air pressure	1 bar			
Cushion diameter	61	76	91	122
Lift at max pressure (kg)	2976	4650	6694	11,902
Inflated height (cm)	43	59	61	100
Deflated height (cm)	5	5	5	10
Packed weight (two cushions) (kg)	66	75	99	110
Air required (litres)	295	620	900	3010

 Cushions are supplied individually as standard.

Type 120, 213 and 213 Wedge

- Exceptionally rugged and durable construction
- 5mm thick 3 ply working surfaces
- Side walls of heavy duty neoprene coated nylon, external and internal reinforcing bands channel the lift vertically
- Internal restraint webs provide stability, under load or freestanding
- Two rings fitted to both top and bottom working surfaces for securing
- Delivery hose complete with couplers
- 213 Wedge features a hard wearing sloped top

TYPE	120	213	213 WEDGE
Material	Neoprene coated nylon		
Air pressure (bar)	0.7	0.5	0.5
Area dimensions (cm)	120 x 120	120 x 120	120 x 120
Lift at max pressure (kg)	9000	9000	7000
Inflated height (cm)	120	213	213 (height at centre)
Deflated height (cm)	5	10	5
Packed weight - two cushions (kg)	75	85	48
Air requirements (litres)	2500	3400	3400



 Airlift Cushions



06 Water Storage

Pillowtanks
Reservoirs

Pillow Tanks

MFC Survival's range of Pillow Tanks provide a robust and quickly deployable solution for the storage and transportation of water.

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 Tanks collapse down for compact storage and can be carried by 1-2 people.

Constructed from exceptionally strong and durable material, the 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 water, making them ideal for use in disaster relief situations.

MFC Survival Pillow Tanks are available in a full range of sizes and colours, and we 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.

- **Quick and easy to deploy**
- **Robust and durable**
- **Relief valve incorporated to prevent overfilling**
- **Portable and lightweight**
- **Available for potable water**
- **Can be used for the storage of waste water**
- **Suitable for all climates**
- **Fully customisable design**

Specifications

Guarantee: 1 year

NOMINAL CAPACITY (litres)	FULL DIMENSIONS LxWxH (cm)
250	90 x 80 x 35
400	117 x 75 x 53
500	117 x 95 x 53
1000	150 x 150 x 55
5000	400 x 225 x 57
10,000	510 x 220 x 100

Available for potable water

Other sizes are available, please contact us on 01443 433075.

Standard Equipment

- Pressure relief valve
- 50mm Inflate/Deflate Ball Valve
- Carry handles
- Instruction manual
- Carrying valise
- Repair kit

Optional

- Additional deflate valve
- Groundsheet



Inflatable Reservoirs

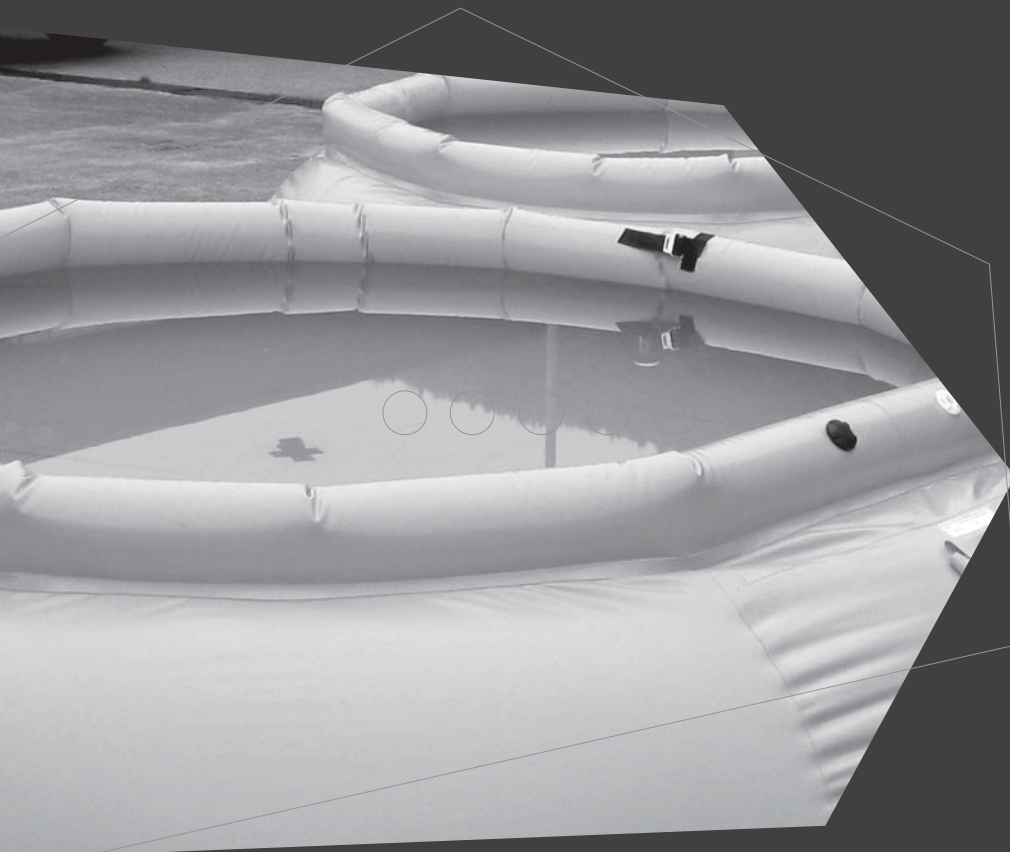
Inflatable Reservoirs are a simple, quickly deployable solution for the storage of water and other liquids. Ideal for rapid response emergency situations, these Reservoirs can be transported to the scene and set up easily, providing an immediate storage container.

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

- Available either welded or solutioned
- Crease removing straps incorporated
- Many different sizes and colours available
- Customer specific couplings for filling and discharge can be incorporated
- Includes in-built relief valve
- Suitable for every climate
- Optional cover available to prevent evaporation and contamination
- Suitable for one-off use as temporary waste




 Inflatable Reservoir

Specifications

Guarantee: 1 year

	DIAMETER (cm)	HEIGHT (cm)	CAPACITY (litres)	TUBE PRESSURE (bar)	AIR REQUIREMENTS (Litres)
Welded Reservoir (weight and packed dimensions depend on couplings selected)					
2000	203	100	2000	0.07	100
6000	320	100	6000	0.07	240
12000	420	120	12000	0.07	290
Glued Reservoir (weight and packed dimensions depend on couplings selected)					
1000	150 sq.	60	1000	0.07	226
1350	180 x 150	60	1350	0.07	250
2300	210	100	2300	0.07	153
2500	210	112	2500	0.07	153
3000	230	112	3000	0.07	178
6800	330	112	6800	0.07	297
8000	350	120	8000	0.07	331
9500	350	135	9500	0.07	331

Note: Other Reservoir sizes may be produced to order.

- Inflatable collar
- Inflate/deflate valve
- Relief valve
- Lifting ring
- 4 crease removing straps
- Hose retaining strap
- Storage pocket
- Operating manual
- Repair kit
- Inflation hose
- Carrying valise
- Manual pump
- Fill & discharge couplings
- Cover
- Ground sheet
- Lettering/logos



07 Controllers + Regulators

Controllers
Regulators
Hoses



Controllers + Regulators / **Controllers** /

Controllers

Type 530/855 Dual Controller

The MFC Survival Type 530/855 Dual Controller is a robust and long-lasting dual controller designed to offer total protection for components vulnerable to damage. This high spec controller is ideal for use with two high or low pressure lifting cushions, giving independent control to both cushions.

It has three-positional lever actuated control valves allowing for controlled inflation and deflation, and is supplied with a spring loaded “deadman” automatic return-to-off control.

- 0.5, 1 or 8 bar
- Steel housing with inlet/outlet ports
- Spring loaded relief valves
- Supplied with connection hose
- Adjustable carry handle/shoulder strap
- Supplied in plastic carry case



Regulators

Type 646 Single Stage Regulator

- Manufactured to BS 7650
- Output preset at ½, 1 or 2 bar
- Complete with padded storage box

Type 855 Single Stage Regulator

- Manufactured to BS 7650
- Output preset at 8 bar (125 psi)
- Optional padded storage box



Adaptors

Y Adaptor

- 8 bar (125 psi) relief valve
- Non-return safety lock coupling
- Suitable for use with Powermats and Stak Jaks
- Allows for disconnection of the delivery hose



300 bar Double Cylinder Adaptor

- Comes complete with bleed valve



Hoses

Regulator Outlet Pressure Hose

- Available in 2, 3 and 5m lengths
- Comes complete with couplings
- Bright yellow colour to avoid tripping hazard
- Manufactured from reinforced PVC
- Hose to BS EN 5774:2008 Type C



High Pressure Delivery Hose

- Available in 5 and 10m lengths
- Comes complete with couplings
- Available in red and green (allowing for left and right colour coding with dual controllers)
- Manufactured from reinforced PVC
- Hose to BS EN 5774:2008 Type C



Maintenance + Servicing

At MFC Survival we offer comprehensive product support from our servicing division. With a dedicated department of head office staff, and a team of in-field customer support engineers based across the country, we are fully capable of meeting all your service and maintenance requirements.

Within our servicing framework we can test, repair and service the following product groups:

- **Controllers and regulators**
- **Low and high pressure lifting cushions**
- **Life jackets**
- **Water storage equipment**
- **Water rescue equipment**
- **Rapid response shelters**
- **Other inflatable and textile products**

We are acutely aware that downtime incurred to service and repair products can cause significant disruption from services being offline.

As such we strive to uphold a prompt and efficient service at all times, and keep customers fully informed with where their product is in the service procedure and when it will be back on line.

To achieve this we operate a process allocating customers with a unique identification reference. Order acknowledgements are always supplied, and customer service staff are available to respond to any query. We also pursue an active policy of customer follow-up to monitor response to our service and facilitate ongoing improvement.

With our full package of service and support you can be confident you will receive professional, first class service for as long as you require.



Training Simulators

Improve your training and education facilities by working alongside MFC Survival to produce bespoke equipment designed to meet your exact needs.

Relevant and realistic training is of vital importance to develop a rescue professional's skills or increase preparation and awareness of emergency procedures within a community. However, being able to accurately replicate an emergency situation without compromising on safety can prove challenging.

If you have an equipment need for training or awareness that you are finding difficult to fulfil MFC Survival can work with you to design and manufacture a solution tailored specifically to your requirements.

The Sunken Vehicle Simulator and Community Safety Shelter are two examples of products produced in this way. Both are now available to purchase.



 Sunken Car Simulator

Rescue + Safety Products / Training Simulators /

Training Simulators

Sunken Vehicle Simulator

Designed in collaboration with Royal Berkshire Fire and Rescue, the Sunken Vehicle Simulator offers a safe solution to practice retrieving casualties from a submerged car, overcoming the environmental issues and costs of deploying actual vehicles in natural waterways.

Fully inflatable the car takes just minutes to deploy using a standard BA cylinder and can be packed away into a compact valise for storage or transportation.

Community Safety Shelter

Getting caught in a building fire can be an incredibly frightening ordeal, especially for young children. By using a Community Safety Shelter to simulate a building fire, children and adults alike can experience the effects of smoke in a controlled environment to ensure they are fully prepared for an emergency.

The Community Safety Shelter is based around MFC Survival's popular inflatable Rapid Response Shelters, but with the addition of a maze of curtains and foam blocks inside. Children enter the tent through an entrance flap and it is then filled with smoke. The tent has a blackout liner to recreate the disorientation that would be experienced in a smoke-filled room. To ensure the children are safe the inner maze is held in place with Velcro, allowing for quick release.

- Set up in only 5 minutes using standard BA cylinder inflation
- Packs away in only 15 minutes
- No continuous power required to keep the tent erect
- Ideal for taking around schools and into the community.

The Community Safety Shelter was developed in partnership with Mid and West Wales Fire and Rescue Service.



 Community Safety Shelter

Bespoke Design and One-Off Production Possibilities

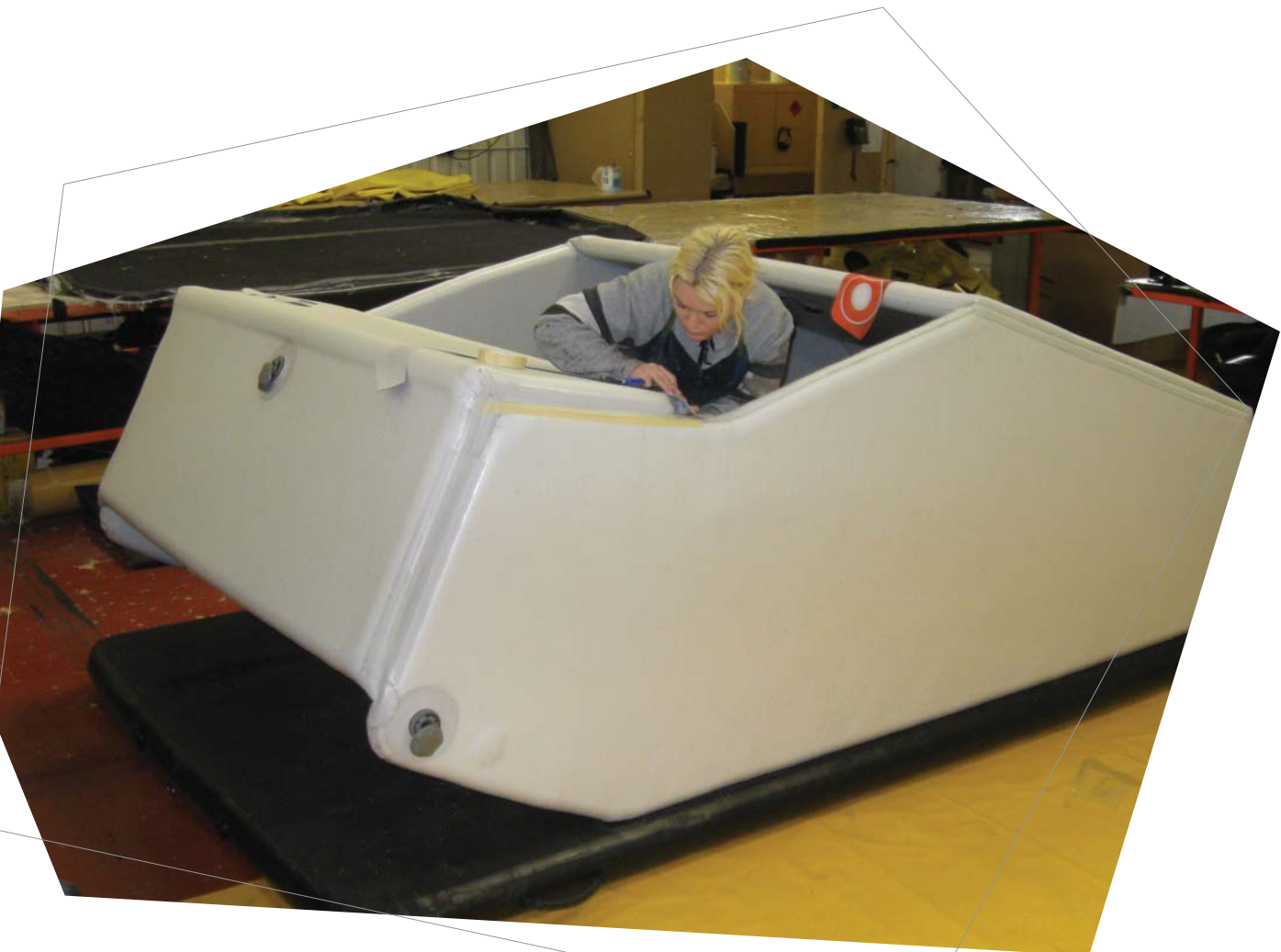
Very rarely do two of our customers want exactly the same standard product. As such we regularly produce bespoke, one-off items to suit specific customer requirements.

From idea conception to product supply we can offer a full service solution that we fully project manage and oversee.

The process is simple; bring your ideas or needs to us and talk them through with our experienced and knowledgeable in-house research and development team.

When we have established a good idea of all your requirements we will start putting together designs of possible solutions, with full costings and lead times. Once a final product has been agreed we will then manufacture it to your specific requirements, and deliver it to you on time and on budget, with full training and maintenance support as required.

You can be confident of a high quality of design and manufacture from us, as one of the world leaders in the design and manufacture of inflatable and textile goods.



World Class Manufacturing Facility

Based in Tonypandy, South Wales, we have devoted the majority of our Head Office location to manufacturing with a strong team of skilled technicians working on the shop floor. Within these facilities we are able to offer a full range of manufacturing processes, specialising in inflatables and textile products.

With our manufacturing facilities and equipment we can manage virtually all of our production in-house, giving us full control over lead times, costs and quality.

Whatever your requirements we are confident we have the team and the resources to meet them, just call us on **01443 433 075** to talk things through.



innovation in
**SAFETY+
SURVIVAL**

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