



MFCInternational

by RESPIREX

ENGINEERED INFLATABLE PRODUCT SOLUTIONS

RP3 Rescue Platform

Product **Manual**



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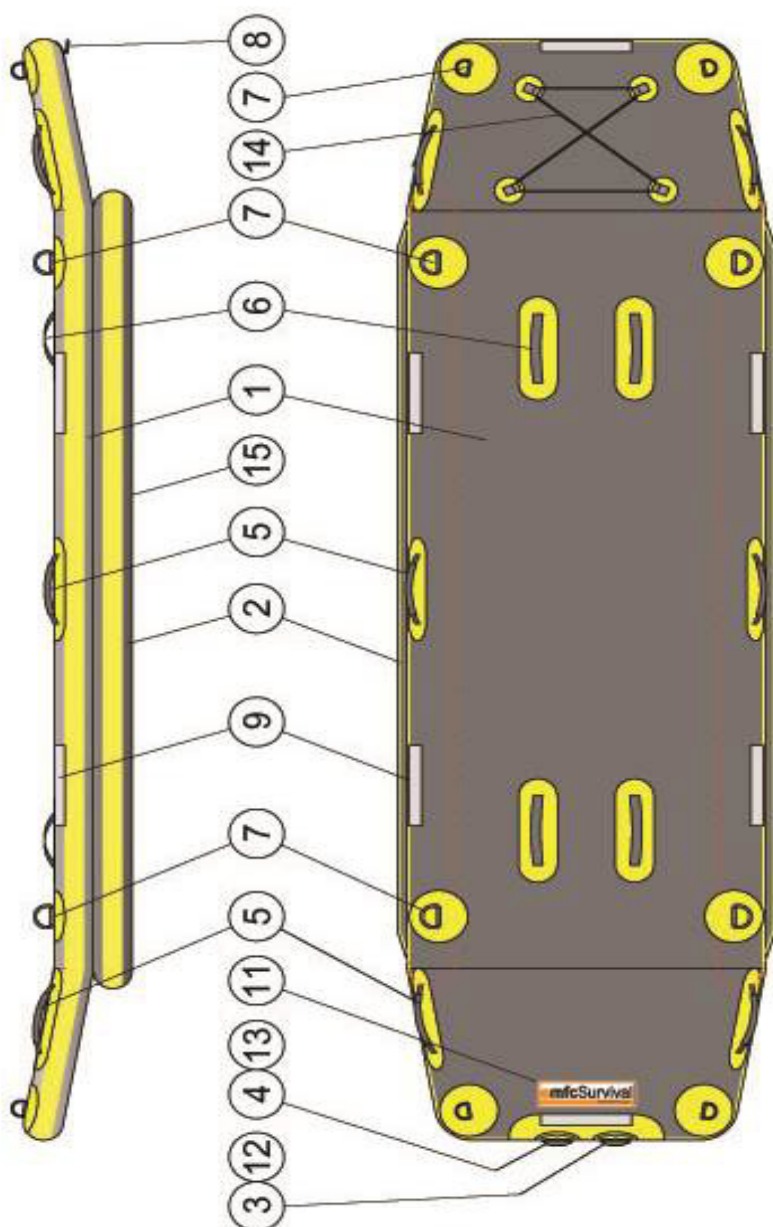
WARNING: Carefully read this manual before operating the Airtrack.

NOTICE: The manufacturer takes no responsibility for the consequences of actions not complying with the instructions given in this manual.



Technical Data	
Length (cm)	320
Width (cm)	98
Height (cm)	32
Floor/footprint thickness	12.5
Working Pressure	0.2 bar
Relief Valve - Blow off Reseat	0.29 bar
	0.2 bar
Air Requirement (ltr)	570
Packed size (cm)	70L x 45W x 30H
Packed Weight (kg) (including paddles.)	15

Capacity	
Load (max)	250Kg
No. Of Persons	3



	Item	Description
1	Platform	Neoprene-coated drop thread – Black
2	Footprints	Neoprene-coated drop thread – Black
3	Inflate/Deflate valve	Leaffield C7 - Black Acetal
4	Relief valve	Leaffield A6 - Black Acetal
5	Carrying handles	Hypalon coated polyester, webbing strap/rubber handle
6	Grab handles	Hypalon coated polyester, webbing strap
7	'D' Ring patch	Hypalon coated polyester, 316 s/s 'D' Ring
8	Towing patch	Hypalon coated polyester, 316 s/s 'D' Ring
9	Reflective strips	50mm Reflexite
10	Logo Label	Self adhesive
11	Capacity label	Self adhesive
12	Inflate/Deflate label	Self adhesive
13	Relief valve label	Self adhesive
14	Paddle retainers	Hypalon coated polyester patches, shock cord
15	Antichafe panels	Neoprene coated Kevlar
16	Paddles (not shown)	3 piece alloy shaft, HDPE blades in paddle bag
17	Valise. (not shown)	PVC coated polyester - Orange
18	Inflation Hose (not shown)	Reinforced hose c/w C7 valve adaptor
19	Repair kit (not shown)	70ml.tube Neoprene adhesive, Hypalon patches x4

1. Inflation

- 1.1 At deployment point, select best possible flat debris-free site.
- 1.2 Unpack the Rescue Platform from its valise and unroll.
- 1.3 Prepare for inflation:-
 - a) Fix 30 PSI (2bar) Regulator to cylinder and connect delivery hose to regulator.
 - b) Remove dust cap from inflation valve in end of platform, ensure the central valve diaphragm is closed; i.e. the internal spindle is raised. (push and turn to release).
- 1.4 **Hold** delivery hose **tight into inflation valve**. Open cylinder valve and inflate until relief valve activates. Close cylinder valve. **Do not release hose during inflation**.

WARNING: Failure to do this may result in personal injury

- 1.5 Ensure dust cap is replaced to prevent ingress of dirt and water.

2. Deployment and Use

The following points are operational recommendations established by deploying the Rescue Platforms at many different training and demonstration events. MFC acknowledge that almost every operational scenario will have different hazards and risks, which can only be properly assessed at, and during, an operational rescue/recovery.

WARNING: During use on water, mud and suspect surfaces, personnel should wear a 'Lifejacket' or similar buoyancy aid, and/or be linked to the Rescue Platform via a safety line. Failure to do this may result in personal injury or death.

- 2.1 Securing lines - When using the Rescue Platform in fast flowing water use the securing lines attached to the 'D' ring patches on both ends to manoeuvre and secure it to convenient tie points on the bank/shore.
- 2.2 Towing - The Rescue Platform may be towed behind a parent craft at a maximum speed of 5mph. The tow line must be secured to the towing patch on the underside of one end (bow). If the Rescue Platform is to be towed in rough water, through mud or for an extended times, and additional tow line should be attached to form a bridle secured between the 'D' Ring patches on either side of the 'bow'. This arrangement should also be used when pulling the Rescue Platform over ice.
- 2.3 Paddles - The Kayak paddle or 'T' handle paddles can be secured by inserting the blades under the shock cord retainers positioned at the 'bow'.

- 2.4 Manoeuvring - The Rescue Platform can be manoeuvred by one person using the paddles supplied. It can also be manoeuvred in shallow water by persons walking alongside holding the carrying handles.

Note: Walking a Rescue Platform is only suitable for calm/slow moving water.

Caution: Do not drag the Rescue Platform over the ground. Avoid contact with sharp or abrasive objects as they may puncture the fabric causing a loss of buoyancy.

- 2.5 Stability - Wherever possible evenly distribute the weight of the persons on the Rescue Platform (maximum 3 persons or 200Kg) to avoid instability that may lead to capsize.
- 2.6 Carrying handles - The Rescue Platform should only be carried by the rubber moulded handles provided (3 each side). The Rescue Platform can in an emergency be used to carry (maximum) one stretchered casualty. The stretcher may be strapped to the platform using the 'D' Rings positioned down both sides.

Caution: Do not strap the stretcher to the Rescue Platform when used in water as there is a risk of the casualty drowning if the platform becomes inverted.

- 2.6 Two Rescue Platforms may be secured together side by side using the 'D' Rings to form a raft. In the event that this combination needs to be towed the tow line must be secured to a bridle (approximately 2m long) fitted between both towing patches.

Warning: The Rescue Platform is not designed for any type of motorised propulsion. The fitting of any type of motor, or any other modification of the Rescue Platform is not permitted without prior written approval from MFC International Ltd.

Any non-approved modification will invalidate the warranty and may result in personal injury or death.

1. After every use, especially on mudflats, the Rescue Platform should be hosed down in its inflated state, to remove as much debris as possible.
2. Allow the Rescue Platform to become as dry as possible before packing.
3. Lay the Rescue Platform on a clean, debris free area.
4. Deflate the Rescue Platform. This is achieved by depressing the central spindle in the inflate/deflate valve, (push and turn to lock open).
5. Roll the Rescue Platform from front (bow) to expel the air.
6. Un-roll the Rescue Platform to its full length once again. Fold each side of the platform towards the centre (use length of valise as a guide).
7. Roll the Rescue Platform from the front again. Take care to maintain the width of the roll.
8. Lay valise on the ground as an 'open box' and replace Rescue Platform into the valise.

Wash and disassemble paddles and place them into their storage bag. Place paddle bag on top of the rolled up Rescue Platform, close valise and secure straps.

1. On return to base the Rescue Platform should be unpacked, inflated and left to dry.
2. When the Rescue Platform is completely dry it should be checked for wear or damage. If none is found it should be repacked in the valise.
3. If any damage is found it should be repaired immediately in accordance with the Repair instructions.
4. Where possible the packed Rescue Platform should be stored on the floor of the locker/ appliance, ensuring no damage can be caused by it's proximity to other items of equipment.

1. **GENERAL**

It should be noted that, due to the type of fabrics used in its construction, when the Rescue Platform is wet, there may sometimes be visual evidence of miniscule white bubbles, which form a line of froth at the seams and joints of the unit. This is recognised within the industry as 'lateral leakage', and is simply air that is trapped in the layer of nylon between the rubber coatings, forcing its way to the nearest available edge of the fabric. This type of leakage will not affect the performance of any inflatable product over the course of an operational procedure, and can be safely ignored.

However, if there is evidence of large, transparent bubbles, this is clearly evidence of a leak that must be repaired at the earliest convenience.

The following is a recommended regime for maintenance & test.

2. **QUARTERLY**

- 2.1. Check control equipment as per relevant manual.
- 2.2. Inflate Rescue Platform to working pressure.
- 2.3. Check audible relief valve operation.
- 2.4. Whilst inflation system is charged, check connections and valves using brush and soapy water.
- 2.5. When relief valve has operated, and the unit is at working pressure; it can be left to stand for a length of time that would be comparable to an operational situation (e.g. 2 to 3 hours.)
- 2.6. After this time, the Rescue Platform should still be firm.
- 2.7. If the Rescue Platform has become soft, the air-loss should be located by applying a soapy- water solution.
- 2.8. Any significant leaks (See 1 above) should be marked and repaired using the repair kit provided.

RECOMMENDATIONS

1. Rescue Platforms should undergo an annual test carried out by the manufacturer, or people certified by MFC International Ltd. If in doubt contact the service department.

As a general rule, punctures and other damage will need to be assessed in two categories:

a) that which is repairable at the base, or b) serious damage that will need to be repaired by MFC International Ltd.

a) Repairs that are manageable at the base workshops will be minor punctures to any area of the Rescue Platform. These can normally be repaired by the application of a small repair patch.

b) Repairs that should be carried out by MFC will be the more serious kind, such as damaged valves, badly torn fabric (either on the sidewalls or the flat surfaces) and the replacement of damaged fittings.

If in doubt as to the extent of the damage and the level of repairs necessary, please contact:-

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