Airquee

Additional Manual

Warrior Challenge



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These are additional instructions to the Constant Flow Land Inflatable Operation Manual.



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1. INTRODUCTION

This inflatable may come in different sizes, colours and shapes. These additional operating instructions cover any device made by Airquee similar to the pictures above.
If you are in any doubt about anything mentioned in this manual or its suitability for your product or circumstances, please contact us using any of the methods given on our website, www.airquee.com/contact.

For all guidance relating to the safe use and operation of an inflatable including safe positioning, anchoring, inflation/deflation, and regular checks please refer to our Constant Flow Land Inflatable Operation Manual. A copy of this can be downloaded by scanning the QR code on the filler pipe of your product or by visiting www.airquee.com/manuals.

Due to constant innovation and product development some photos in this manual may not exactly depict the product you have received. If you are at all unsure of anything, please contact us.

All products where appropriate supplied by Airquee will conform to the latest standards. Some inflatables contain elements that are not covered under the EN14960:2019 inflatable standard, however, we use this standard as best practice to ensure that any relevant sections of that standard that can be applied, do get applied. For example, but not limited to, slide run off's, entrapments, and wall heights. We advise controllers/operators to obtain and study the latest copy of this standard as it also contains important operations and safety advice.

Abbreviations, Terminology and signs

SOP - Standard Operating Procedure: a written document with step-by-step instructions regarding important aspects of operating the recreational facility. While this manual provides important information on the operation of your facility it is important that you write you own SOP's to cover the specific circumstances in which you operate.

Manual - Operation Manual. This document, containing general information relevant to all parts of the inflatable.

Controller –The owner and responsible person for operating and maintaining the play equipment.

Operator - Those persons who are appointed by the controller to be in charge of the day-to-day operation of the equipment.

Attendant - Those persons who are working under the direct supervision of the controller or operator to assist in the operation of the equipment.



Never operate an Airquee product until you have fully read and understood the operation manual.

If you have any questions or concerns, you must contact Airquee before operating the product.

As the purchaser/owner of the product it is your responsibility to complete your own risk assessments and to ensure that all operators and attendants are fully briefed on all aspects of operation and health and safety before using the product.

All operators and attendants need to be of an appropriate age for the type of product being used.

The appropriate age of the operator and attendant may be determined by local or international standards and laws, these may differ from country to country, the owner should also consult with their insurance company who may also impose their own restrictions and interpretation of 'appropriate age'.

Additional Equipment

Batons	Fan**
	

The above equipment quantities will depend on the size and type of game supplied. **A fan will depend on if you ordered one but will be required for operation.



This inflatable can be set up and packed away by 1 person who have had proper manual handling training and use the correct equipment to move the inflatable. You should conduct your own manual handling risk assessment to determine a safe set up procedure and number of people required based on your circumstances.

This inflatable uses a 1.5hp fan and should operate at a minimum pressure of 1Kpa.

For information regarding dimensions, weight, zips, filler pipes etc please refer the test certificate emailed to you.

2. INTENDED USE OF THE PRODUCT

The Warrior Challenge is designed as an interactive inflatable activity that provides participants with a fun and physically engaging challenge. Two users, one in each lane take a Velcro baton from the start and then run as fast as they can up the sloping wall. The user who manages to stick their baton the highest wins! The attraction is intended for use at family entertainment centres, schools, leisure facilities, community events, corporate team-building activities, and private functions. Suitable for individual or competitive use, the Warrior Challenge offers a safe and controlled environment for recreational physical activity.

3. ELECTRICAL EQUIPMENT

This inflatable needs power for the fan that operates the inflatable.

Using electrical equipment involves the potential risk of electric shock, burns, or fire. A major cause of accidents is failure to maintain equipment. The risk can be managed effectively if a sensible, appropriate, and detailed Standard Operating Procedures (SOP) is written and applied regarding operation and routine inspections of the inflatable by the members of staff. The maintenance and annual safety testing procedures should be carried out by a certified electrician.



Using any electrical equipment in wet or damp conditions is dangerous and strictly forbidden! Never use electrical equipment that is visibly damaged in any way. Immediately isolate the power and report the problem.

The electric circuit(s) should have a fully functional Residual Current Device (RCD) and a Residual Circuit Breaker with overcurrent protection (RCBO) integrated. These safety features help to prevent electric shock to a person if there is an electrical fault and are usually required by construction (and/or wiring) regulations in most countries. For more details, please consult a certified electrician.

The electric fans supplied for the inflatable should only be used with the electricity supply specified for the fans. Connecting the fans to a non-specified electric supply is very dangerous and will render the warranty void. Each fan is fitted with a motor which operates at the nominal mains electricity voltage in the country in which it was supplied for. In the UK and Europe, it is 220-240 volts 50hz A/C. Note: Airquee can supply fans to other electrical supply specifications where necessary.

More information on fans and troubleshooting fan problems can be found in AQM0016 downloadable from our website, www.airquee.com/manuals

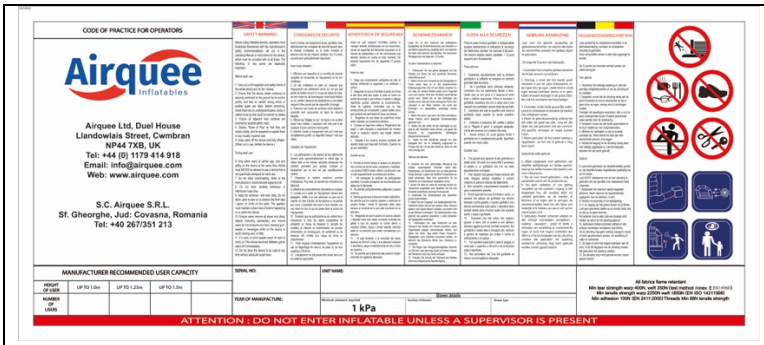
4. MODIFICATIONS / ALTERATIONS / RETRO FIT

After installation or supply, all modifications of the inflatable require the written consent of the manufacturer. A modification/alteration means a change in its structure. Any unauthorised alteration will likely cause the altered product/item to become non-compliant and automatically lose its approved safety inspection status. Unauthorised modifications could void the warranty.

Airquee is not responsible for any damage to the product, or any injuries produced to anyone arising out of such unauthorised action.

5. LABELS AND IDENTIFICATION

There are some labels on your inflatable. Here is what they mean.

	This is the main product label and will appear in a prominent place, usually around the entrance or side area. It will give information about the product, user numbers, fans required, and any information required by law in your country.
	This label is on the fan filler tube(s) to inform operators/attendants of the fan type needed and the minimum/maximum pressure required for the inflatable.

6. SAFE HANDLING

Before attempting to unload, move, site, inflate or use inflatable equipment, you should read the contents of this manual and any supplied additional manuals thoroughly. Free advice is also available by telephone from the companies after sales support team on +44 (0)1179 414 918. They will do their best to answer any technical or health and safety related questions you may have.

It is vital to have enough helpers to carry out loading, unloading, setting up/assembly and dismantling to prevent individuals hurting themselves if you do carry out the installation yourself. You have a legal duty to assess and eliminate or reduce the risk of injury to employees which can result from manual handling operations. This applies to all operations involving transporting, loading, unloading, setting up, dismantling, packing or moving inflatables.

7. OPERATIONAL GUIDELINES AND RULES OF PLAY

All operation guidelines and rules of play applicable for land-based inflatables must be followed. These can be found in our standard Constant Flow Land Operation Manual. In addition, these should also be followed:

- An operator or attendant must be present to ensure users use the inflatable as intended.
- Before using the inflatable, CLEAR INSTRUCTIONS SHALL BE GIVEN to users on their conduct and how to use the inflatable.
- Only two players should use this game at once, one in each lane. Players should be of similar physical build to offer a fair experience and to minimise injury if a collision occurs.
- Players of any age or ability can use this game provided they can safely hold the baton and run the wall.
- Younger children or less able people may require assistance.
- Players should start on the inflatable and do not need to run up from ground level.
- When all darts have been thrown, they should be collected up before the next game begins.
- Anyone with pre-existing injuries or health concerns should assess their ability to use the product. Additional help or supervision may be required to allow these users to participate. Depending on the illness, injury, or circumstance it may be prudent to not allow the user onto the product. This decision falls with the user and operator. It is highly recommended that pregnant woman and people under the influence of alcohol or drugs should not use the inflatable.

8. SET UP / PACK AWAY

For setup and packing away of this inflatable please follow the standard guidelines in the Constant Flow Land Manual and adhere to all instructions relating to manual handling, positioning, anchoring etc.

There are no additional considerations for this game.

Inspect all accessories to ensure they have not become, broken, sharp, or damaged in any way that may be unsafe to use. Accessories will wear over time, and it is recommended to keep a spare set ready to be used in case damage is identified.

9. TECHNICAL DETAILS

- All fabrics flame retardant.
- Min tear strength warp 400N, weft 350N (test method Annex E EN14960)
- Min tensile strength warp 2250N weft 1850N (EN ISO 1421:1998)
- Min adhesion 100N (EN 2411:2000) Threads Min 88N tensile strength
- Thread is non-rotting yarn and at least 88 N tensile strength. Stitching is lock-stitch. The length of individual stitches is a minimum of 3 mm and a maximum of 8 mm.
- Each anchor point can withstand a minimum of 1600N

10. PROVISION FOR FIRST AID

Please refer to local legislation or your SOP's for further details for first aid provision.

11. SAFETY INSPECTIONS

The inflatable shall not be made available to the public until any adjustments or repairs judged to be necessary through any type of inspection have been carried out.

12. DAILY INSPECTIONS

Every day, before opening the inflatable to the public, a competent/trained person SHALL PERSONALLY CHECK that each area of the inflatable is safe to use. The person carrying out the check shall be sufficiently trained in the relevant checks required.

The trained person should follow the inspections checks outlined in our standard Constant Flow Land Inflatable Manual.

No users should be allowed to use the inflatable before all routine inspections have been carried out and it has been deemed safe to use.

13. ANNUAL INSPECTIONS

An annual safety inspection is a UK requirement under the Provision and Use of Work Equipment Regulations 1998 (PUWER). Customers are advised to check the requirements of the laws within their country. Airquee can carry this out with its team of mobile inspectors. A certificate will be issued confirming the result of the safety inspection and test. If repair or replacement should be deemed necessary, you will be advised accordingly.

Beside the everyday routine inspections, the following extra checks must be carried out every year in an interval of maximum 12 months:

- Check the interior of the inflatable for mildew and/or damage to the internal ties through the deflation zips.
- Fans to be PAT tested (or equivalent in your country).
- The pressure of the inflatable to be measured with certified equipment. The measured value must be at least 4 wgp (**inch of water column)** /1 kPa (kilo pascal) /10 mBar/ 0.145 PSI (pounds per square inch).
- The condition of the electrical wiring and/or installations to be tested: grounding, testing RCD device(s), any other test deemed necessary by a certified electrician.

The inflatable shall not be made available to the public until any adjustments or repairs judged to be necessary as a result of an inspection have been carried out.

14. STAFF TRAINING

Training

If any new, untrained staff are hired, the controller/operator should ensure their adequate training which must include:

- The method of operating the device.
- Safe methods of assembling/dismantling any part of the inflatable where necessary.
- How to carry out a routine daily inspection.
- Emergency procedures in case of fire, injury (first aid, accident reporting), pressure loss (power failure or vandalism), etc...
- Crowd control (granting access on the inflatable).

All operators should have in place a written SOP that includes all of the above, all the specific company regulations and all relevant requirements of Health and Safety standards in the state where you operate.

The contents of the Risk Assessment and the SOP should form the basis of any staff training.

Training and the creation of the risk assessment are not a "once only" requirement. It is recommended that external training is arranged both for new staff and for refresher training for existing staff. Many facilities opt for an annual update and refresher training to ensure that their staff are still working at the required standards. The arranged training requirements must always meet the needs of the activity zones within your inflatable and should be based in the site-specific Risk Assessment and this Operation Manual.

15. SAFETY BRIEFING

A procedure shall be in place that all users including accompanying persons receive a safety briefing before taking part in activities on the inflatable. The delivery method shall be tailored to meet the needs of the user group.

16. Logbook and record keeping

A logbook and owner record can be found in the Constant Flow Land Inflatable Operation Manual.

17. WARRANTY

See the Airquee Terms and Conditions here:
https://airquee.com/terms

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Your product model, and its additional equipment (number and type) may differ from the one presented in this manual. All the pictures and drawings contained in this manual are for illustration purposes only. Any misuse or failure to adhere to the instructions and recommendations contained in this manual will render void the warranty.

Due to constant innovation, product enhancement and changes to international standards any printed or downloaded manual may become out of date. The most recent manuals can be freely downloaded at www.airquee.com/manuals.

For any further information or guidance please refer to www.airquee.com/contact for the best way to contact us in your country or region.