



airCap HR

Thank you for choosing airCap HR! The following information will help you get the most out of your purchase.

Warning!

Rafting and the use of other inflatable watercraft is inherently dangerous and should only be attempted by qualified individuals. Only operate your watercraft when it is in good condition and properly inflated. Always check and monitor your watercraft's inflation pressure with a second properly calibrated pressure gauge. Always wear a suitable personal flotation device when using your craft on the water.

Installation and Operation

airCap HR is designed to replace your watercraft's existing inflation valve cap.

Remove the Existing Cap and Tether

- Remove the existing valve cap. When the tether cord is exposed, untie it and remove it from the valve body.

Attach the airCap HR Tether

- Thread the supplied tether cord on the airCap through one of the holes on the valve body.
- It may be necessary to loosen the valve and screw it out to thread the tether into the valve. This is done using a standard valve wrench.
- After cord is fed through valve body tie a knot close to the end.
- A double-overhand knot is preferred.
- Pull newly tied knot against valve body and retighten valve (if loose).

Inflate Your Watercraft

- Inflate your boat or SUP to proper pressure as specified by the manufacturer.

Insert the airCap

- Position the airCap with LCD facing away from the valve.
- Insert the attachment features into the valve body.
- Press firmly and rotate the airCap ¼ turn, securing it into the valve.
- The make-before-break seal is designed to prevent air from leaving your inflatable while the airCap is being inserted. Because of this, when inserting the cap, press the cap straight into the valve and turn.
- More force will be required than is needed for the original valve cap.

Operation

- airCap will display the inflation pressure whenever a suitable light source is present.
- See “Low Light Conditions” section for more information.

Over Pressure Alarm

- The pressure inside an inflatable will increase with increases in temperature or elevation.
- airCap HR has an alarm setting to warn the user when the watercraft reaches pressures that may damage it.
- The alarm pressure is adjustable for each inflatable it is installed on.
- Direct sunlight is required for best performance of the overpressure alarm.

Setting the Alarm Pressure

- Make sure the airCap is in full sunlight.
- Enter the pressure setting mode by pressing the SET button on the rear of the airCap.
- The airCap display will flash repeatedly and display the current alarm pressure value to indicate that it is in programming mode.
- Press the button within 3 seconds to change the alarm pressure value. Repeat until the desired pressure value is reached.
- The airCap will return to normal mode if the button is not pressed again.

Setting the Units Display

- Note: airCap ships pre-programmed with the most common units for your location. It is unlikely you will need to change the units unless desired.
- airCap can display in units of psi, bar, or kPa according to your preference.
- To enter pressure unit programming mode, completely cover the airCap display and solar panel for 10 seconds to ensure that it has been powered down.
- With the solar panel still covered, press and hold the programming button and turn the airCap on by exposing it to full sun.
- airCap will power on and enter unit programming mode. Click the button within 3 seconds to change the units.
- The current unit choice will flash on the display. Press the button again within 3 seconds to select the desired units.
- The airCap will return to normal mode if the button is not pressed again.

Low Light Conditions

- airCap will operate in most light conditions, even when it is cloudy or overcast.
- If it is necessary to operate airCap after dark, a headlamp or flashlight will provide enough light to power your airCap.

Pressure Range

- airCap will read to pressures of 20 psi (138 kPa, 1.38 Bar).
- Above this pressure, airCap displays “OP” to alert the user that the watercraft is over pressure.
- Operation in over pressure condition is not recommended and could damage your airCap and watercraft.

Cleaning and Maintenance

- airCap is built with rafting in mind, however it is a precision instrument and should be treated with care.
- Clean your airCap only with mild soap and water. Do not apply solvents to airCap.
- If watercraft repairs are to be made, it is best to remove airCap for storage in a safe location before the procedure.
- Avoid abrasive surfaces contacting your airCap, especially on the lens.
- airCap can be left attached to your watercraft or removed when the watercraft is in storage.

Note: This document subject to change without notice