

TM



Manuel du Propriétaire
Owner's Manual
Manuel di uso e manutenzione del
proprietario
Eigner-Handbuch
Manual del Propietario

Tome 2 - Volume 2

Teil 2 - Tomo 2

AEROTEC 380 - 420



LIRE ATTENTIVEMENT CE MANUEL AVANT MISE EN SERVICE DE VOTRE BOMBARD
CAREFULLY READ THIS MANUAL BEFORE OPERATING YOUR BOMBARD
LEGGERE ATTENTAMENTE PRIMA DI INIZIARE IL MONTAGGIO DEL VOSTRO BOMBARD
VOR INBETRIEBNAHME IHRES BOMBARD VORLIEGENDES HANDBUCH AUFMERKSAM LESEN
LEER CUIDADO SAMENTE ESTE MANUAL ANTES DE PONER EN SERVICIO SU BOMBARD



● CAREFULLY READ THIS MANUAL BEFORE OPERATING YOUR BOAT.

● THIS OWNER'S MANUAL IS IN TWO VOLUMES THAT MUST BE KEPT TOGETHER.

NOTICE:

THE OWNER'S MANUAL IS IN TWO VOLUMES:

- VOLUME 1

DEALS WITH OPERATING PRECAUTIONS AND SAFETY RECOMMENDATIONS THAT MUST BE OBSERVED.

- VOLUME 2

DEALS WITH TECHNICAL SPECIFICATIONS AND ASSEMBLY PROCEDURE OF THE BOAT AND ITS EQUIPMENT.

VOLUME 2
TECHNICAL SPECIFICATIONS - ASSEMBLY PROCEDURE



AEROTEC 380 - 420

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ASSEMBLY PROCEDURE

We recommend that you follow the specific order of the assembly procedure. Proceed step by step and refer to the corresponding pages.

PROCEDURE	PAGE	SECTION
1. inventory the elements composing your boat, and learn how to recognise them	2	CHECK ON UNPACKING
	III IV	DESCRIPTION
2. install the <i>Aerotec</i> floor inside the boat	3	ASSEMBLY
3. activate valves into inflating position	4	INFLATION SYSTEM
4. inflate the <i>Aerotec</i> floor to correct pressure	5 6	INFLATION / PRESSURE
5. install the seat	V	ASSEMBLY OF EQUIPMENT
6. finish inflation of the boat to the correct pressure	5 6	INFLATION / PRESSURE

CHECK ON UNPACKING

 CAUTION	DO NOT USE A SHARP TOOL
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The pack must contain: 1 buoyancy tube +

BOMBARD AEROTEC	
Aerotec inflatable air floor	✓
Repair kit	✓
Owner's manual *	✓

Standard equipment	
Aluminium paddles	2
Removable wooden seat	✓
High pressure foot pump	✓
Carry bag	1
Removable bow bag	✓
Fuel tank straps	✓

* 2 volumes

You can equip your boat with many optional accessories (transportation wheels, boarding ladder, lifting rings etc.). Ask your dealer to advise you.

NOTICE :	IF YOU WISH TO ADD LIFTING RINGS, YOU MUST FIX THEM ON THE BUOYANCY TUBE, NEVER ON THE FLOOR
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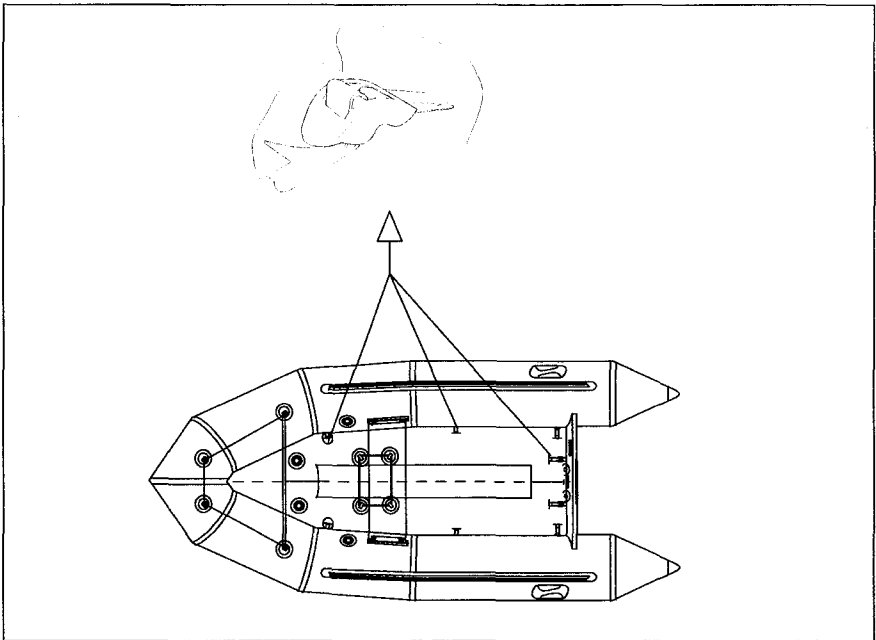
Choose a smooth and clean surface.



IF THE BUOYANCY TUBE WAS STORED AT A TEMPERATURE BELOW 0°C / 32°F, LEAVE IT AT 20°C / 68°F FOR 12 HOURS BEFORE UNFOLDING.

THE AEROTEC INFLATABLE FLOOR:

1. Check the *Aerotec* air floor fitting inside the boat (to facilitate fitting, you can slightly inflate the main buoyancy tube).
2. Inflate the air floor to correct pressure
3. Finish inflation of the tube to correct pressure
4. Tighten the buckles.



MAINTENANCE / DISMANTLE OF THE AEROTEC INFLATABLE FLOOR

We recommend that you leave the *Aerotec* floor in the boat when folding. However, to clean perfectly the boat it may be useful to take off the *Aerotec* floor:

1. **DISMANTLE:** Deflate the boat
Take off the *Aerotec* floor (reverse the installation procedure).
2. **MAINTENANCE:** inflate again the boat
Wash off with clear water, then raise the boat's nose to evacuate water and sand or rubbish.

THE HIGH PRESSURE FOOT-PUMP

- a. connecting tip c. hose base
b. hose nozzle d. outlet for inflation

This special H2P pump allows high inflation pressures to be reached with ease.

It contains a gear box which works like a car.

Position ①

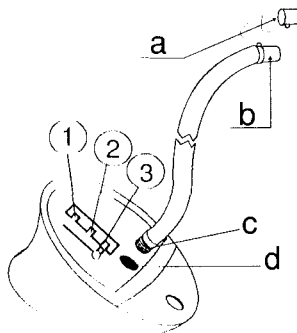
The pump has maximum flow but low pressure: this position is used to give shape rapidly to all inflatable parts of the boat.

Position ②

The flow is 4 times inferior to position ① but provides pressure that is 4 times superior, with the same effort.

Position ③

The flow is feeble but the pump can reach high pressures.

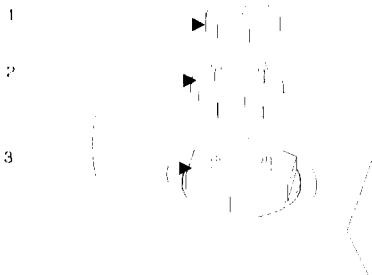


THE STANDARD VALVES

- (1) cap (2) valve insert (3) base

To activate the standard valves into INFLATION position:

- Free the valve insert from its protection.
- Unscrew the valve cap.
- Screw the valve support onto its base (screw it tight but without exaggeration, not to deteriorate the screw thread) and check that the valve cap stays accessible.

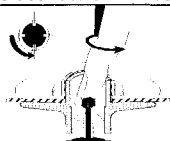


TO DEFLATE:

Unscrew the valve support from its base

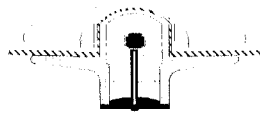
THE SEMI-RECESSED VALVES

To activate the valves:



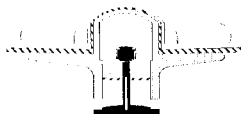
press the push-in stem a quarter of a turn

Inflation position



diaphragm closed, the inner button springs upwards

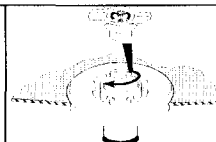
Deflation position



diaphragm open, the inner button goes down

NOTICE:

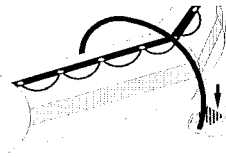
TO SCREW OR UNSCREW THE VALVE CAPS, TURN A QUARTER OF A TURN. WITHOUT PRESSING OR FORCING (THIS COULD UNSCREW THE INNER VALVE SYSTEM).



Activate all valves into inflation position.

Fit the hose to the foot-pump.

To inflate your boat properly, the bottom side of the foot-pump must rest on a flat ground. Pump evenly to inflate rapidly.



WARNING

DO NOT USE A COMPRESSOR OR A BOTTLE OF COMPRESSED AIR

A - INFLATE THE AEROTEC FLOOR

1. **Inflate** with gear lever in position ① then ② until it becomes difficult to operate.
2. **Finish** inflation in position ③ until you reach correct pressure (800 mb)

B - INFLATE BUOYANCY TUBE



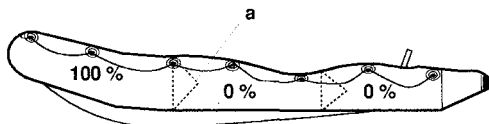
CAUTION

NEVER USE POSITION ③ TO INFLATE THE MAIN TUBE. THERE WOULD BE A RISK OF BURST.

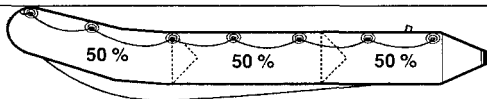
Inflate the main buoyancy tube first with gear lever in position ① until it becomes difficult to operate, then put the gear lever to position ②, and inflate to correct pressure (= 240 mb/3,48 PSI, reefer to PRESSURE section) making sure that each compartment is equal. When correctly inflated, the compartments bulkheads (a) are not visible.



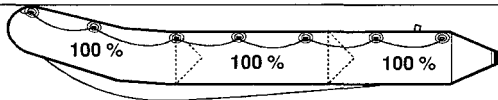
NEVER COMPLETELY INFLATE A COMPARTMENT TO FULL PRESSURE IF OTHER COMPARTMENTS ARE TOTALLY DEFLATED



1



2



Inflation is over: fit the valve caps tight (clockwise).

NOTICE :

A slight air-leak before screwing the valve caps is normal.
ONLY THE VALVE CAPS CAN ENSURE FINAL AIR TIGHTNESS.

PRESSURE

The correct pressure for the buoyancy tube is 240 mb/3,4 PSI, and 800 mb / 11,3 PSI for the Aerotec inflatable floor.

Your boat is equipped with an **ACCESS** pressure indicator. It will permit a quick and efficient control of the pressure during inflation. Without a pressure indicator, stop inflating when the foot-pump gets difficult to operate, and the boat is « hard » (you should not be able to bend the cone ends).

Ambient temperature of air and water have an effect on the boat's internal pressure

Ambient temperature	tubes' internal pressure
+1°C / +1,8°F	+4 mb / 0,06 PSI
-1°C / 1,8°F	-4 mb / 0,06 PSI

Therefore, it is important to anticipate:

Because of temperature variations (especially when this variation is important between the beginning and the end of the day, in hot areas) check and adjust the pressure in the inflated compartments by inflating or deflating. Be sure that pressure remains within the recommended zone, between 220 mb/3,10 PSI and 270 mb/3,85 PSI.

RISK OF UNDERPRESSURE

EXAMPLE: Your boat is in direct sunlight on the beach (temperature =50°C/122°F) at recommended pressure (240 mb/3,4 PSI), after putting it in the colder water (temperature =20°C/68°F), the internal temperature and pressure of the tubes will both drop (up to 120 mb/1,7 PSI) and **YOU WILL HAVE TO INFLATE AGAIN** until you regain the lost pressure due to the difference in temperatures. Therefore, a loss of pressure at the end of the day when ambient temperature drops is perfectly normal.

NOTICE :

Proper inflation is critical to the performance of the boat. It is the pressure in the tubes that gives your boat the necessary rigidity to perform well. Under-inflation causes improper flexing of the tubes which will result in stress and chafe

RISK OF OVERPRESSURE

EXAMPLE: Your boat is inflated to the recommended pressure (240 mb/3,4 PSI) at the beginning of the day (low ambient temperature =10°C/50°F). Later in the day, your boat is in direct sunlight on the beach or on a yacht's deck (temperature =50°C/122°F). Internal temperature of all inflated compartments can then increase and reach up to 70°C/158°F (especially for dark-coloured tubes). The consequence will be a doubling of previous pressure (480 mb/6,8 PSI). **YOU WILL THEN HAVE TO DEFLATE** until you reach the recommended pressure.



WARNING

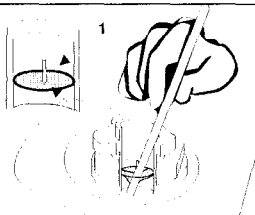
WHEN YOUR BOAT IS OVER INFLATED, PRESSURE BECOMES TOO STRONG FOR THE INFLATABLE STRUCTURE, AND COULD CAUSE A BREAK IN THE FABRIC ASSEMBLY

IN CASE OF OVERPRESSURE

STANDARD VALVE (A):

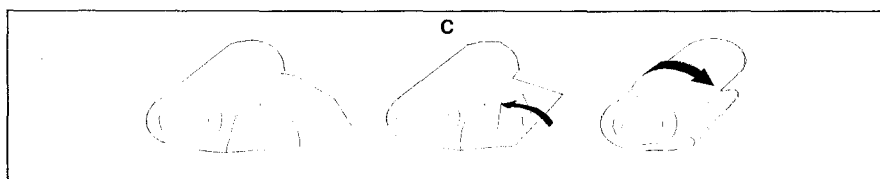
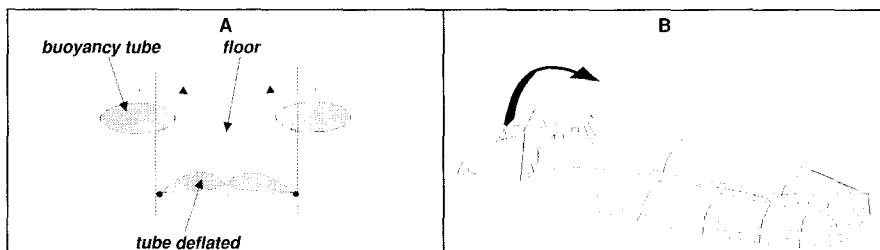
Free some air by pushing on the diaphragm (1) with a blunt object (like a pencil).

Beware not to fold down the diaphragm.



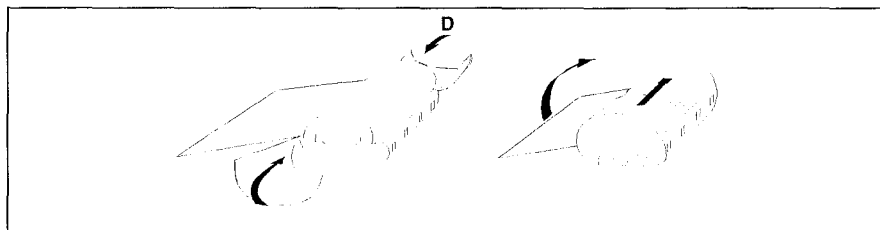
DEFLATING / FOLDING THE BOAT

1. **Deflate** the boat (remember to hold the valve insert on the Aerotec inflatable floor so that it doesn't fly off).
2. **Replace** the valve protections.
3. **Remove** oars and equipment.
4. **Empty** the boat of all water and sand by opening the self-bailers, dry it.
5. **Fold in** the 2 sides of the main buoyancy tube (A), fold the cones onto the transom, then **roll up** the boat around the transom (C). Start again if you feel there is still some air left in the tubes.



Stow the boat in its bag as follows (D):

- . **Stow** the boat folded on its bag open (back side of the bag visible).
- . **Position** the oars dismantled on top
- . **Close** the bag and fasten the two front straps.
- . **Tight** the side ropes (make sure that all equipment stays inside).
- . **To finish**, store the foot-pump in the front pocket.





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IMPRESSION

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