



BSVillage
PISCINE - WELLNESS - OUTDOOR

MANUALE di MONTAGGIO

Filtrazione a cartuccia Back Wel



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MEANING OF SYMBOLS USED IN THIS DOCUMENT

-  **DANGER** = Risk of personal injury.
-  **WARNING** = Risk of damage to the system.
-  **EN ISO 7010 safety symbol: 2012 - M002**, consult the instruction manual.

1. GENERAL SAFETY INSTRUCTIONS



READ THE INSTRUCTION MANUAL CAREFULLY AND KEEP IT FOR FUTURE REFERENCE.

This reading is essential for the installer and user before starting installation and commissioning, as well as any servicing or maintenance operations.

This product must be installed by a person familiar with pool plumbing requirements, following the installation instructions provided in this manual.

The list of recommendations below is not exhaustive, all filter handling must be done with the maximum of precautions.

-  This filter operates under pressure. When any part of the system is damaged or the flanges are not tightened sufficiently, air can enter the filter and pressure can build up. Pressurised air, unlike water, compresses and can cause the cover or air vent to blow off, resulting in serious injury or property damage.
-  Do not unscrew flange clamping screws while the pump is running.
-  This product is intended for private use to filter sand filter wash water
- Do not modify the filter; any modification will invalidate the warranty.
-  For repairs use only spare parts supplied by the manufacturer; The latter declines any responsibility in case of damage caused by the use of parts manufactured outside or modified without his prior agreement. La sécurité et le bon fonctionnement du filtre seront garantis si et seulement si toutes les instructions d'installation et de mise en service sont respectées.
- The safety and proper operation of the filter will be guaranteed if and only if all installation and commissioning instructions are followed.
- In the event of malfunction or damage, please contact your dealer.

Examples of safety and unsuitable uses:

- Do not operate the device without water.
- Do not allow children to handle the filter and any valves.
- Do not put any load on the filter.
- Do not connect the filter directly to the water supply, as the water pressure may be high and exceed the maximum working pressure permitted for this filter (maximum working pressure: 2 bar (2 Kg/cm²)).
- Do not use solvents to clean the filter, as they may damage the surface finish of the parts

2. KIT COMPOSITION



C6 OR C7 FILTER



C6 or C7 cartridge



Automatic air
vent

(With or without evacuation kit: pipes and valves)

3. OPERATION

BACKWEL is a water filtration system that takes advantage of the cleaning properties of a filter cartridge. Weltico's standard cartridge filters particles down to 15 microns.

This filter is installed downstream of the sand filter, in a closed loop on the filter unit's drain circuit. It works under pressure, with the pump pushing water towards it.

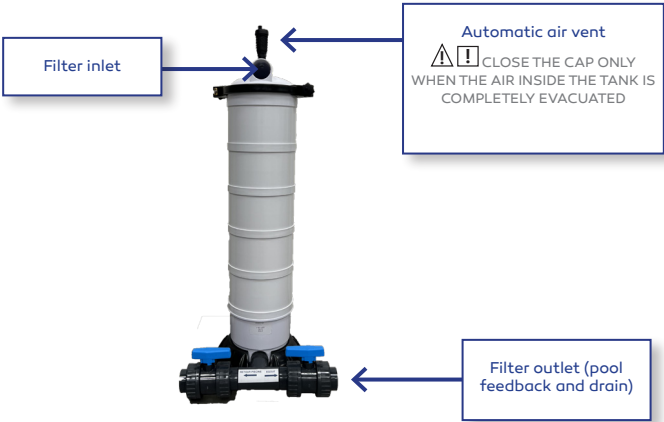
Water is discharged of its impurities as it passes through the cartridge's filter medium. The filtered water is collected at the bottom of the filter and can be re-injected into the pool. Progressive clogging of the cartridge, through the accumulation of particles, increases resistance to the passage of water and reduces filter efficiency: the filter cartridge should be checked after each use, and cleaned or replaced depending on the degree of clogging.



It is essential to bleed the air inside the filter before closing the bleed screw on the cover.

4.INSTALLATION AND ASSEMBLY

The filter tank is factory-assembled. It is supplied with an automatic air vent for installation, and in some cases with an evacuation kit (tee, fittings and valves) to be glued in place in accordance with plumbing regulations.

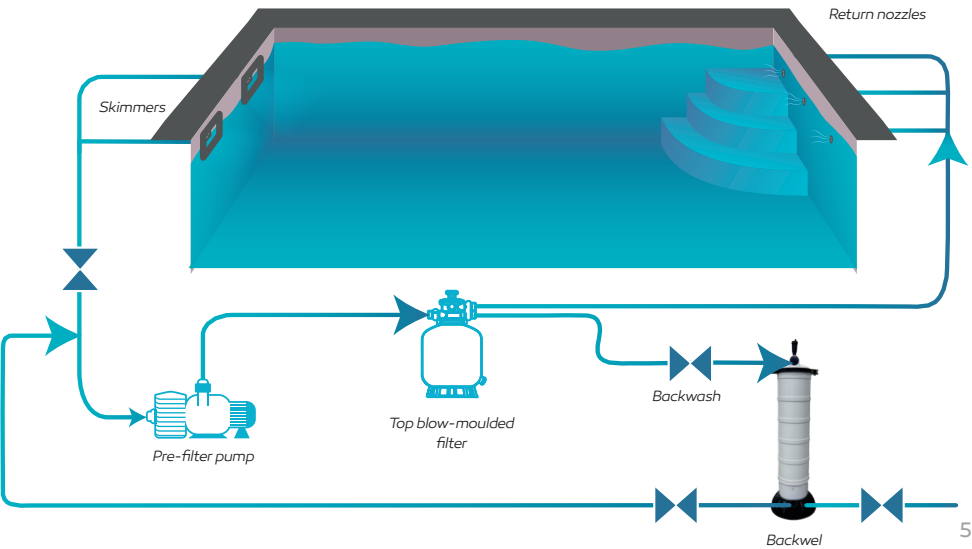


The filter must be placed in a permanent location on a solid, flat surface. Leave enough space around the filter for routine maintenance.

The filter is made of corrosion-resistant materials. However, to ensure years of reliable performance, it is recommended that the filtration system be adequately protected from the elements.

The BACKWEL filter is installed in a closed loop on the filter unit's drain circuit.

Do not install near electrical appliances. Check that the hydraulic system has been installed in accordance with good engineering practice. Make your assembly respecting the principle of the following diagram:



1. Build your hydraulic circuit in accordance with swimming pool plumbing best practice (trajectories, cut-outs, etc.). Perform your own bonds on the filter:
 - a. Filter inlet on top cover with circuit from sand filter,
 - b. Filter outlet on bottom bung with return to suction circuit and in some cases with drain outlet.

Follow the recommendations below:

- Use Ø 50 mm PVC piping to connect inlet and outlet and avoid alignment constraints.

- IMPORTANT: To release the filter cover for cartridge replacement:

- either glue on a rigid 50 mm diameter PVC pipe, incorporating a union fitting to allow the whole assembly to be unscrewed;
- or glue on a Ø 50 mm flexible PVC pipe with enough length to offset the cover from the filter body.
- use the PVC/ABS glue supplied to bond the filter inlet and outlet to the ABS parts. Allow sufficient drying time (minimum 48 hours) before pressurising the filter.

2. Assemble the fitting + vent by screwing it into the threaded hole according to the following instructions:

- Assemble the thread adapter to the vent using Teflon tape (not supplied) on the male thread. Apply at least 5 turns of Teflon. Do not overtighten.

- Assemble the fitting + vent assembly to the cover, also using Teflon tape (not supplied) on the male thread of the fitting. Apply at least 5 turns of Teflon before screwing onto the cover, and do not overtighten.

Attention : Please note: Leave the automatic air vent valve open. To do this, check that the vent plug is unscrewed.

5. CONDITIONS OF USE

Use only to filter pool water with the following parameters:

- Presence of a water treatment product with minimum persistence (chlorine, bromine, etc.) to avoid any risk of bacterial growth.
- A pH between 6.8 and 7.6,
- A temperature between 10 °C and 35 °C
- Do not exceed a pressure of 2 bar

6. AUTOMATIC AIRVENT OPERATING PRINCIPLE



Plug in open/unscrewed position

> There is clearance between the plug and the body



Plug in closed/screwed position

> No clearance between plug and body

! The BACKWELL filter represents no danger to humans if it is operating when filled with water only. It does not compress.

⚠ The danger may arise when the filter is pressurised with air inside. Pressurised air, unlike water, compresses and can cause the cover or air vent to blow off, resulting in serious injury or property damage.

In all cases, therefore, the vent plug must never be closed, i.e. fully screwed in, as long as there is air inside the filter.

Closing the plug is only useful if you don't want to unprime the pump. This can only happen when the following occurs:

- the pool filtration system's valve system is in backwash or rinse mode
- BACK WEL inlet valve is open
- plug is open (do not screw on completely)
- the pump is off.

That's why the order of the steps in the commissioning paragraph must be strictly adhered to.

7.COMMISSIONING

It is important to respect the sand filter's backwash and rinse cycles.

WARNING: Take care not to turn off the pump.

Ensure that on the 1st startup there are no leaks from the product.
For each start-up, proceed as follows:

⇒ Check that the BACK WEL automatic air vent plug is in the unscrewed position;

It is essential to bleed the air inside the filter before closing the bleed screw on the cover.

⇒ Check flange tightness;

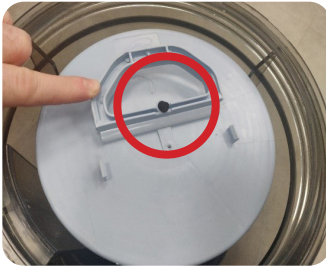
⇒ Turn off the filter pump;

- ⇒ Set the pool filtration system to backwash mode (6-way valve or standard valve system);
- ⇒ Start the pump in backwash mode (faster speed);
- ⇒ Open the BACK WEL filter circuit's closed-loop valves (select whether the water is to be redirected to the pool immediately or to the drain). Check with the sand filter indicator that the water is clear during the wash cycle, before moving on to the rinse cycle. The cycle time required to obtain clear water may be longer for the BACK WEL filter wash cycle than when the water is discharged to the drain;
- ⇒ **Make sure no more air is coming out of the automatic air vent valve. If this is the case, set the BACK WEL filter's automatic air vent plug to the closed position (screw on);**
- ⇒ Turn off the pump;
- ⇒ Set the pool filtration system to rinse mode (6-way valve or standard valve system);
- ⇒ Change the direction in which the water exits the filter if it was directed towards the drain in the previous step, to redirect the water towards the pool;
- ⇒ Run the pump at standard speed. Check with the sand filter indicator that the water is clear during the rinse cycle before switching to filtration mode. The cycle time required to obtain clear water may be longer for the BACK WEL filter rinse cycle than when the water is discharged to the drain;
- ⇒ Check that the drain plug is closed;
- ⇒ Turn off the pump;
- ⇒ Close the BACK WEL filter closed loop valves;
- ⇒ Switch the pool filtration system to filtration mode;
- ⇒ Start the pump;
- ⇒ Unscrew the BACK WEL automatic air vent plug (open position).
- ⇒ To purge the circuit, open only the drain outlet valve.

8. CARTRIDGE REMOVAL/REPLACEMENT

 The BACK WEL filter should not be in operation, so the BACK WEL filter's closed-loop valve system should normally be closed.

- ⇒ Unscrew the cover screws and remove the cover. Make sure the filter tank is not full. If this is the case, open ONLY the filter outlet valve that directs water to the pool;
- ⇒ Immediately and carefully check that the filter is emptying;
- ⇒ As soon as the filter has been emptied, close the filter outlet valve to the pool.
- ⇒ You can now drain and remove the filter cartridge.
- ⇒ To change the cartridge, you can insert the new one in place of the old one.
- ⇒ Check that the lid seal is still in place, as it may have fallen on the floor during extraction, or on the inside during insertion.
- ⇒ Free the small hole at the top of the cartridge by turning the handle as shown below:



- ⇒ Put the lid in place, taking care not to displace the seal (ideally, the lid should be centered just above the seal, and then lowered one last time);
- ⇒ Position the flanges in a staggered pattern (the same shape should not face each other).
- ⇒ Replace the clamping screws and tighten until all flat surfaces of the flanges are in full contact, as shown below:



NOT COMPLIANT



COMPLIANT

If the filter remains unused for a long time, replace the cartridge with a new one.
The use of cartridges other than original WELTICO models invalidates the warranty.

9. CARTRIDGE CLEANING

Cartridge life depends on use and cleaning frequency.

We recommend rinsing the cartridge after each backwash cycle of your sand filter.

- ⇒ Remove the cartridge as described in the previous section. ;
- ⇒ To avoid soiling the ground, be sure to use a container to catch the sediment from the cartridge when rinsing.
- ⇒ Rinse the cartridge with your garden hose (not too fast, and certainly not with a high-pressure cleaner, as this will damage the filter medium). Spray directly onto folds from top to bottom, rotating the cartridge. You can also clean with a soft brush.

Algae, calcium, clay, sun creams and certain water treatment products can form a coating on the surface of the filter medium that cannot be removed by conventional rinsing. In this case, the cartridge must be chemically cleaned by soaking it in a suitable solution. ACIS offers a cleaning tank adapted to the size of your cartridge in size C6 or C7 as well as the specific WELCLEAN solution.

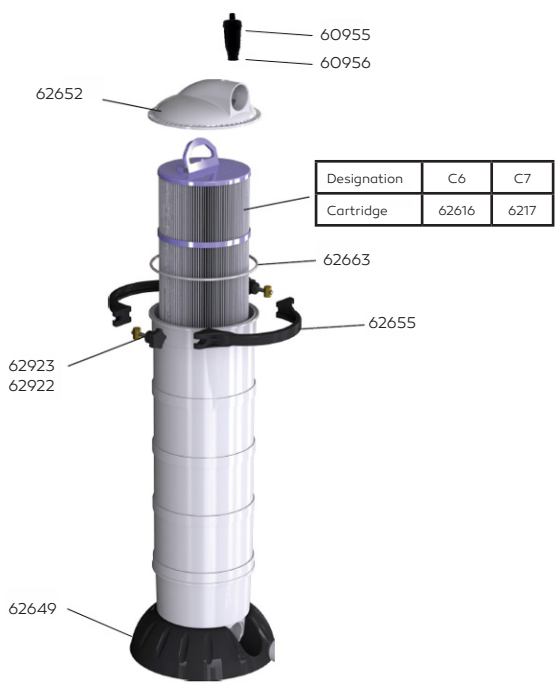
10.WINTERING

- ⇒ Remove the cartridge and clean it as described in the relevant chapters.
- ⇒ Store the cartridge in a dry, frost-free place.

11.CASE OF BASIN WATER EVACUATION VIA DRAIN OUTLET

- The BACK WEL filter's closed-loop valve system should normally be closed.
- ⇒ Turn off the pump.
 - ⇒ Unscrew the cover and remove the filter cartridge beforehand.
 - ⇒ Set pool filtration system to "Drain" position (6-way valve or standard valve system).
 - ⇒ Turn on the pump.
 - ⇒ Open the valve before the filter inlet and the valve at the drain outlet

12.SPARE PARTS



Actual product(s) may vary from photos.

13. ENVIRONMENTAL PROTECTION



Protection of the environment is essential. Our company is strongly committed to it. Our products are designed and manufactured with high quality, environmentally friendly, reusable and recyclable materials and components.



14. IDENTIFICATION AND COMPLIANCE DETAILS

a. Name of product manufacturer :

ACIS France

15 rue des marais

44310 Saint Philbert de Grand Lieu

Telephone: +33 (0)2 40 59 95 35

b. Names and model numbers:

BACK WEL C6 filter: reference 97410

BACK WEL C7 filter: reference 97411

14.1. Compliance



We certify that ACIS cartridge pressure filters, also known as 6-CLONE filters, comply with standard NF EN 16713-1 relating to filtration systems for private swimming pools for family use.

15. WARRANTY

ACIS, responsible for marketing the 6-clone, certifies that this product has been designed and manufactured in accordance with European directives and is free from defects in materials and workmanship. A legal seller's warranty of 2 years from date of purchase applies:

- against defects in conformity in accordance with the provisions of the French Consumer Code,
- against hidden defects in accordance with the provisions of the French Civil Code.

Under Articles L. 217-4 et seq. of the French Consumer Code, purchasers have the right to

obtain from the seller the repair or replacement, free of charge, of products (subject to the cost conditions set out in Article L. 217-9) which have a conformity defect, by notifying the seller of this defect within 2 years of the date of purchase.

This seller's legal warranty covers parts and labor for return to the workshop, provided that it does not fall within the scope of warranty exclusions.

Under articles 1641 et seq. of the French Civil Code, if a hidden defect existed when the product was purchased, the buyer has the right to return the product and obtain reimbursement of the price from the seller within 2 years of discovery of the defect.

15.1.WARRANTY EXCLUSIONS

The warranty does not apply if the installation does not conform in all respects to that described in this manual.

Transferring a device that has already been installed voids the warranty. This exclusion must be brought to the attention of the new owner, and will be deemed accepted by him/her in the event of an incident.

The warranty does not cover the following items:

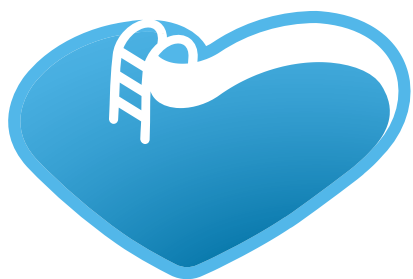
- Any adaptation or modification intended to improve the product with respect to its initial performance, as described in this manual, without the prior written consent of ACIS.
- Transport costs and risks.

Damage resulting from:

- Incorrect or improper use of the device or failure to comply with the installation instructions in this manual;
- Modifications made by third parties.

ACIS makes no commitment as to the lifespan of Weltico cartridges. In fact, these cartridges are "consumables", meaning that they are subject to wear and tear depending on conditions of use (water treatment, pool environment, pool use, etc.) and maintenance.





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