Profine® KIT *pfas*

REDUCES PFAS CONCENTRATION IN DRINKING WATER

Use and maintenance

Product presentation
Micro-filtration equipment for drinking water for domestic use; complete with water inlet valve, head with quick coupling with built-in-non return valve, filter cartridge and over-sink tap with filter exhaustion signal and timed liter counter.

ATTENTION: THIS EQUIPMENT NEEDS REGULAR PERIODIC MAINTENANCE IN ORDER TO GUARANTEE THE POTABILITY REQUIREMENTS OF THE DRINKING WATER TREATED AND THE MAINTENANCE OF IMPROVEMENTS AS DECLARED BY THE MANUFACTURER.

Mounting: in vertical position. The R 2 l/m head is required.

Profine® PFAS filter features
PROFINE® Pfas unwanted odors, flavors and Perfluoroalkyl compounds(Pfas) that may be present in drinking water. It's a disposable type cartridge for the treatment of drinking water with Pfas selective resin. The Profine® filter with quick coupling boasts a final filtration stage at 0.5 µm with Carbon Block Profine® Silver technology. To be used at the point of use, for drinking water with a Pfas concentration lower than 250 ng/l.

Compliance
The system complies with DM 25/2012 and DM 174/04.

Intended use
Pursuant to Ministerial Decree 25/2012, the equipment is intended for the treatment of DRINKING WATER in the terms and in accordance with the provisions of Legislative Decree 31/2001.
It's strictly FORBIDDEN use the system for treat non-potable water or water of uncertain origin or in any case that is micro biologically contaminated.

In order to ensure correct operation within the terms set by the manufacturer, use only original cartridges replacements.

DISPOSE OF THE USED CARTRIDGE ACCORDING TO DECISION 2014/955/EU (EWC 15 02 03).

ANY ABUSE DETERMINES THE IMMEDIATE FORFEITURE OF ANY FORM OF WARRANTY AND RESPONSIBILITY BY THE MANUFACTURER.

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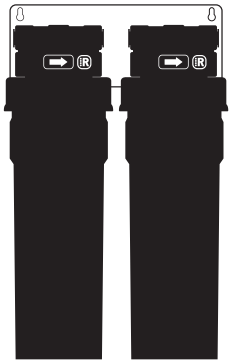


KIT Profine Duplex

1 piece

gusset S8 L40

4 pieces

screw 4,8 x 50

4 pieces

pipe 1/4”

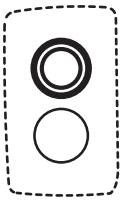
3 m

tap

1 piece

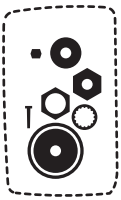
Tap circuit holder

1 piece



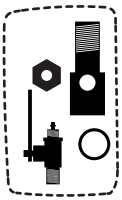
Bag spacer + O ring

1 piece



tap kit bag

1 piece



3/8” water intake valve kit bag

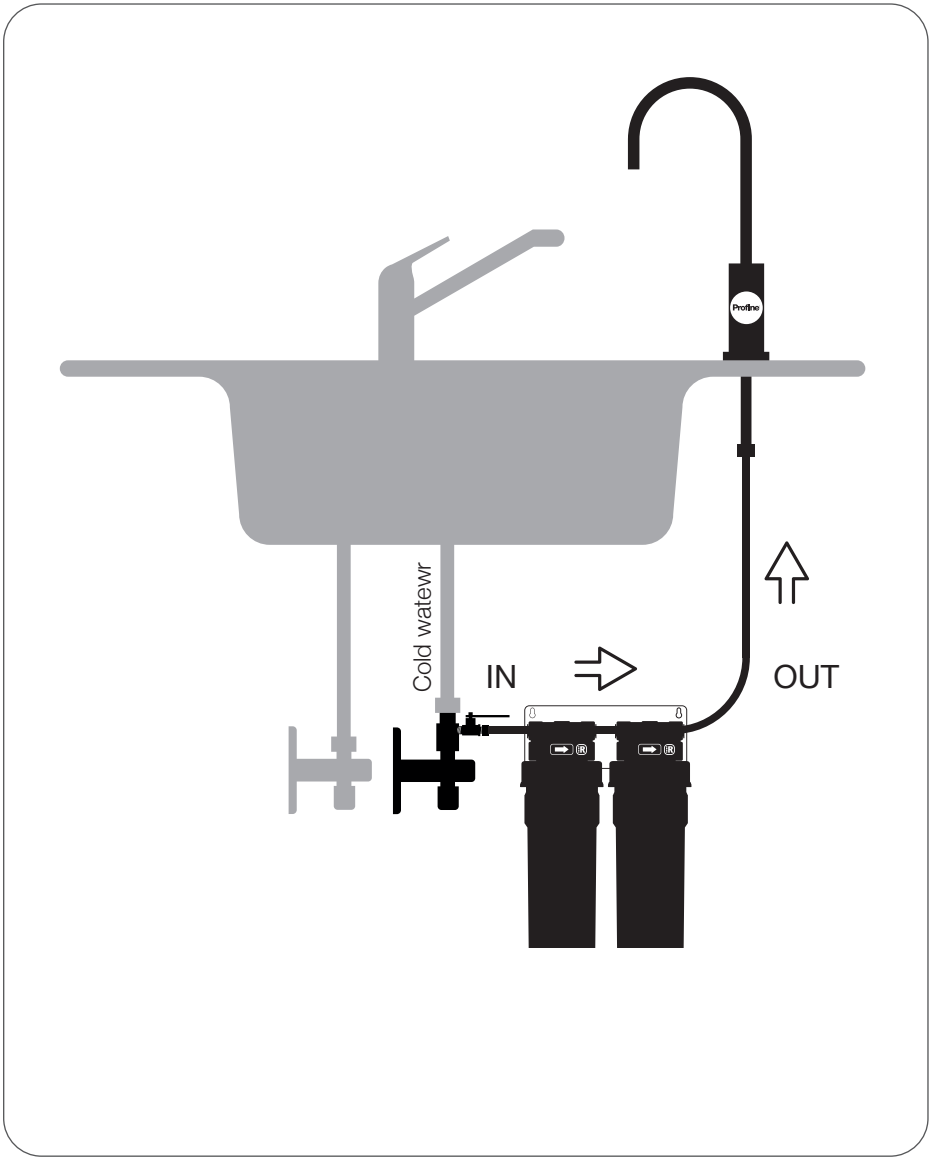
1 piece

DL2032 battery

1 piece

XO0001BTW

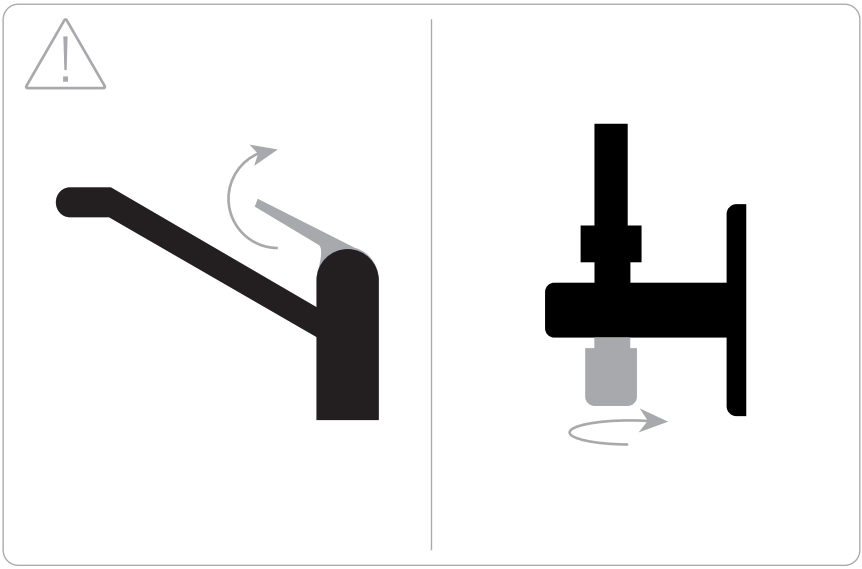
1500310


Profine
Cold watewr
IN
OUT

installation

During installation, keep the tap open, close only when installation is complete

During installation, keep the cold water inlet valve closed, open only after installation is complete



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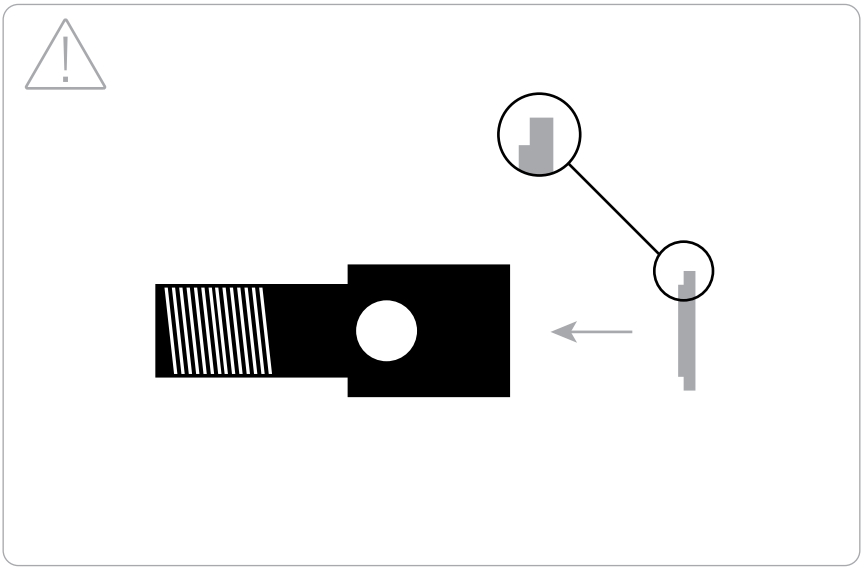
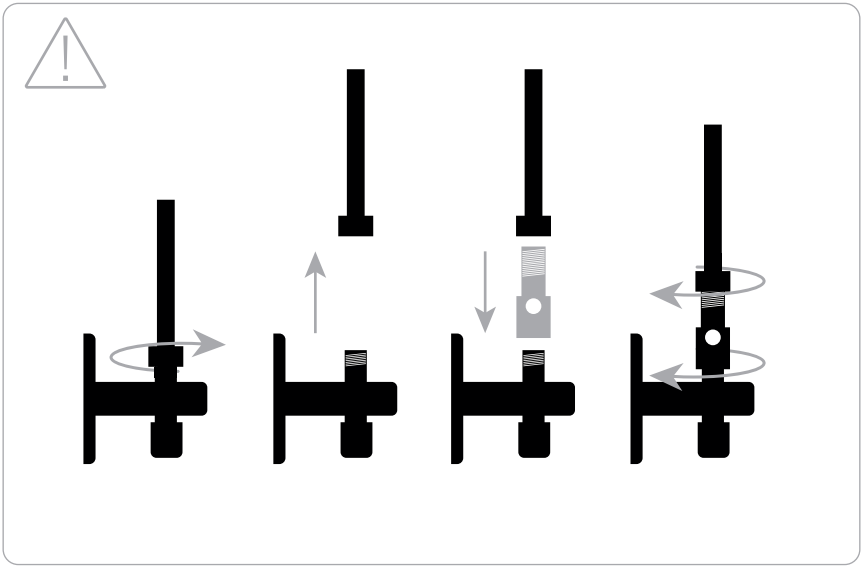
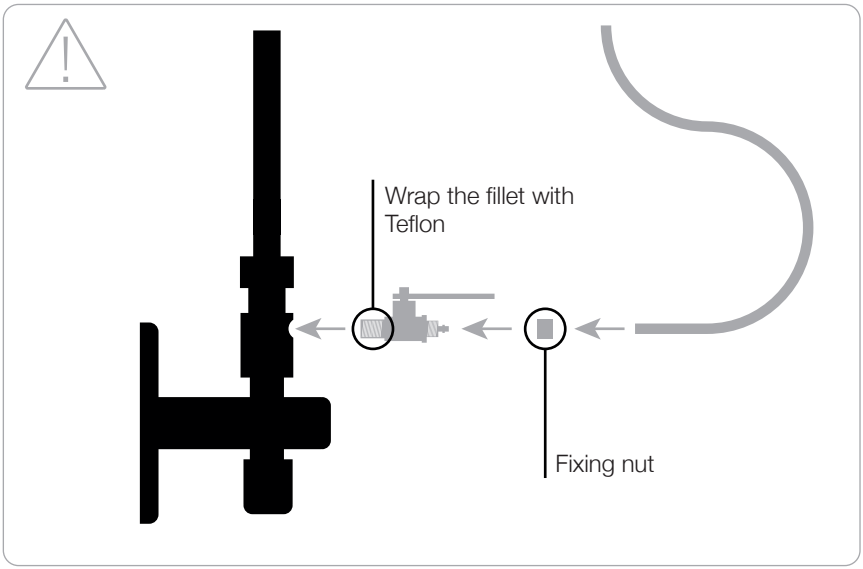


Insert the gasket into the water intake valve adapter

Screw the adapter to the cold water inlet tap only

2





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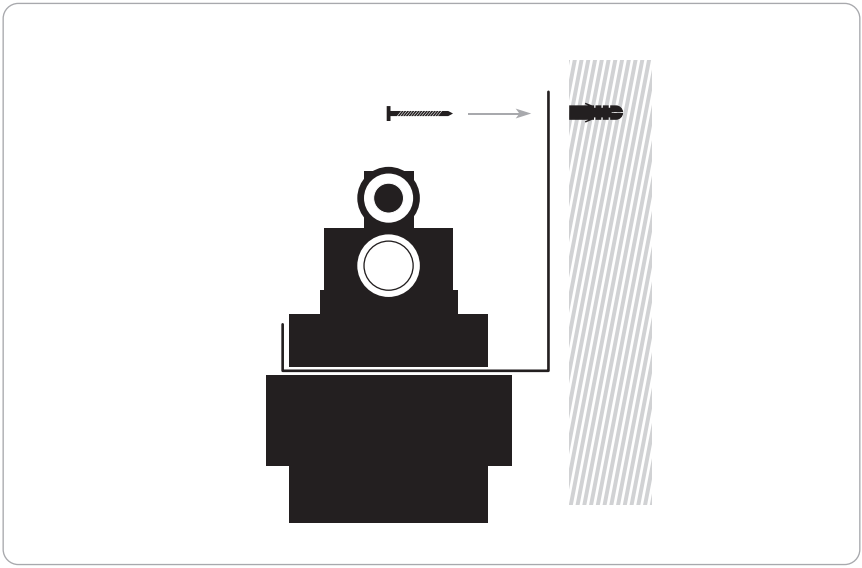
Screw the water intake valve to the adapter

Install the Kit (use screws and gusset provided only in concrete walls)



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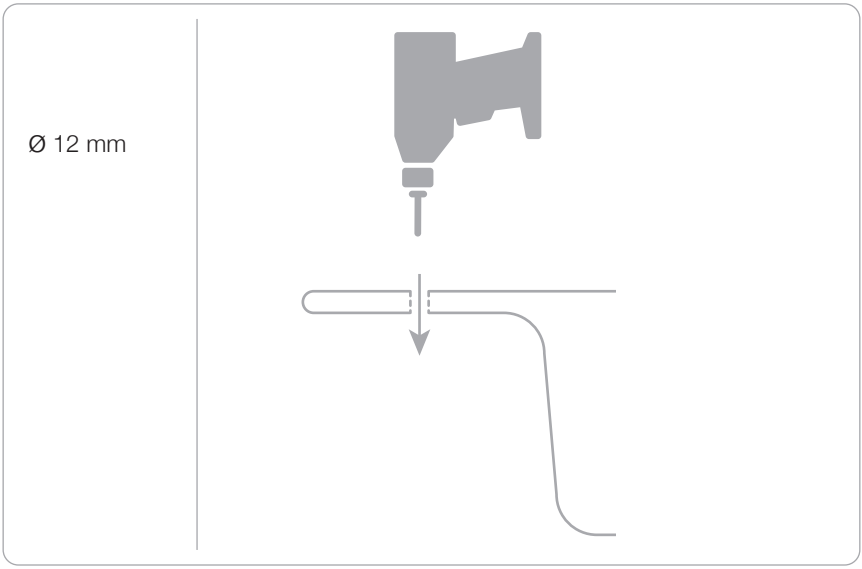

Drill the sink

Tap installation diagram

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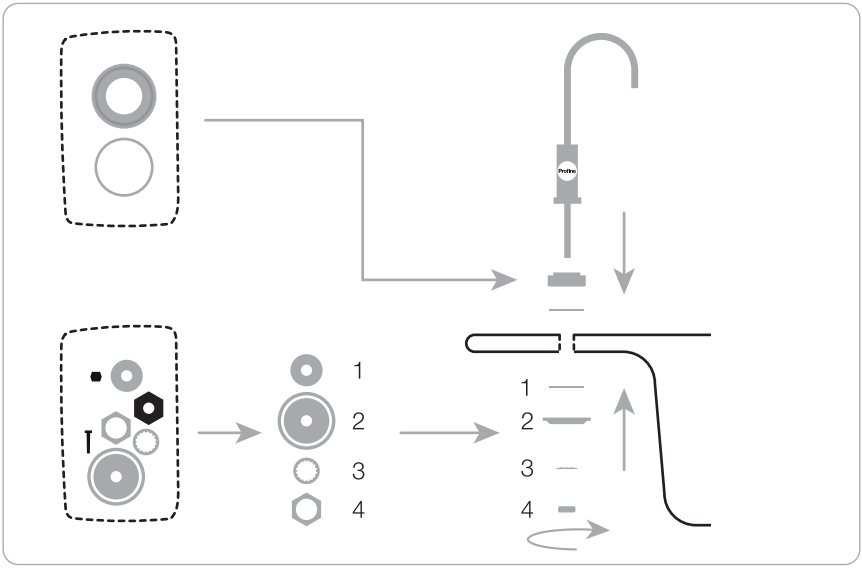

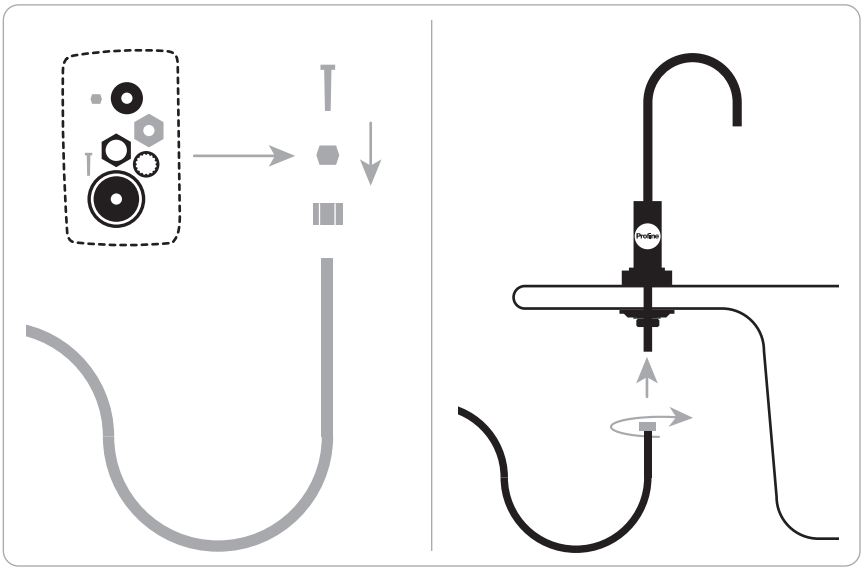

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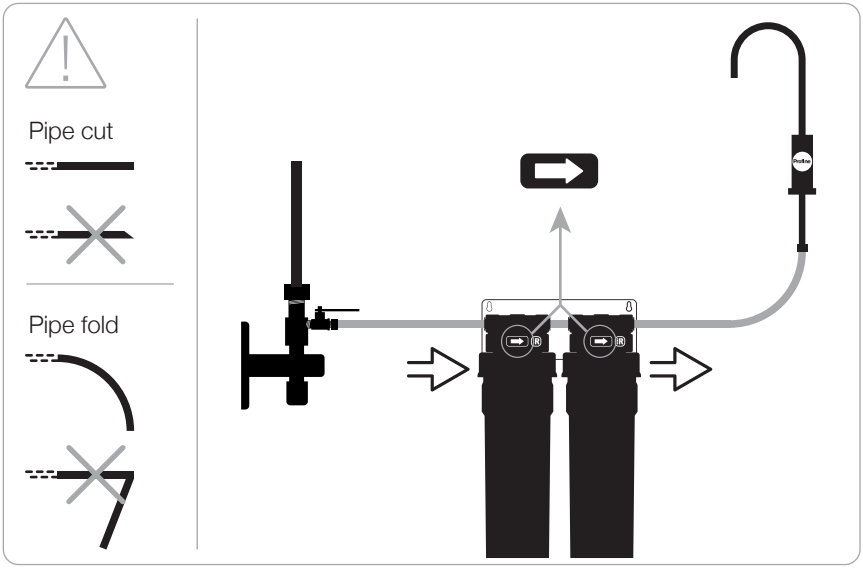
Tap pipe assembly

Connect the pipe to the head, paying attention to the water flow



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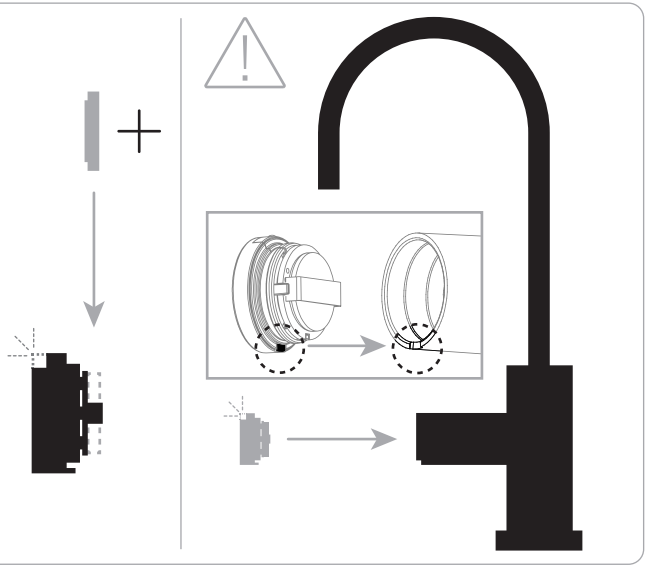
9

Reset the circuit within 30 seconds of inserting the battery

See next page

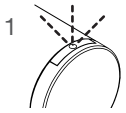


Insert the battery in the circuit holder, then insert the circuit holder in the tap by positioning the knob on closed (tooth down)

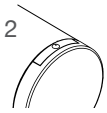
Tap counter setting
start | reset counter

1 Close the tap, insert the battery into the circuit which will be signaled by blinking of the BLUE LED, then insert the circuit into the tap within 30 seconds. Now wait about 2 minutes until the BLUE and RED LEDs both flash simultaneously for about 10 seconds. This indicates that the circuit has successfully started up.

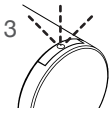
Installation LED sequence



BLUE LED flashing when the battery is inserted.



No flashing for about 2 minutes.



Flashing for 10 seconds of the RED and BLUE LED for confirmation of the reset procedure.

DON'T TURN THE KNOB BEFORE THE SEQUENCE IS COMPLETED

2 If the reset was successful, while water is being dispensed, the BLUE LED flashes. If the reset wasn't successful, the RED LED flashes.

3 When the counting circuit shows the RED LED flashing when the tap is opened, it indicates that the filter's autonomy reserve has been entered, it's still possible use the water but it's necessary schedule normal maintenance.

4 At the end of the autonomy, the RED LED will always remain on steady until the battery runs out. This indicates that it's necessary replace the Profine® filter. After replacing the filter, replace the battery to reset the count.

5 If the tap is in normal operation (BLUE LED flashes during delivery), even if the battery is replaced, the count will not be reset. This operation can only be carried out with the RED LED steady. In the event of early replacement of the filter, the intervention of a technician is required to reset the count.

filter replacement

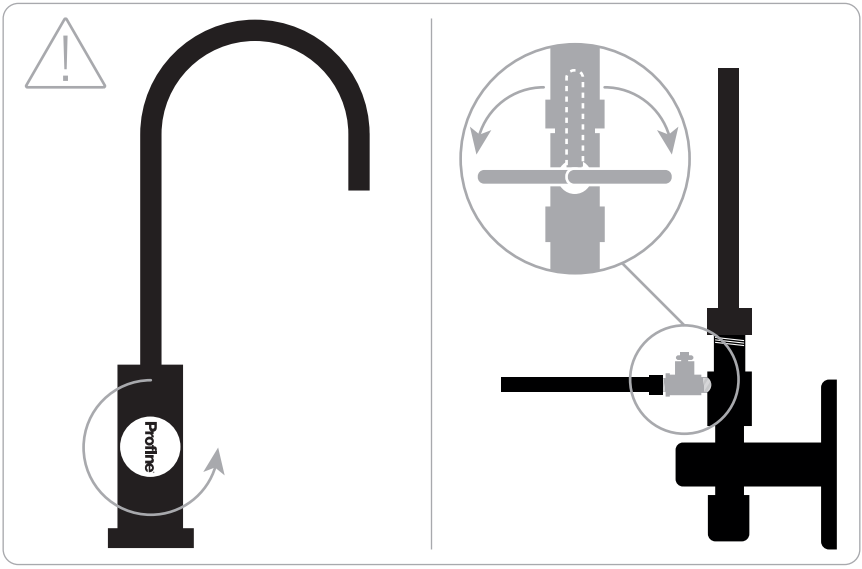
IT'S ESSENTIAL REPLACE BOTH CARTRIDGES IN THE KIT AT THE SAME TIME (Y21486B)

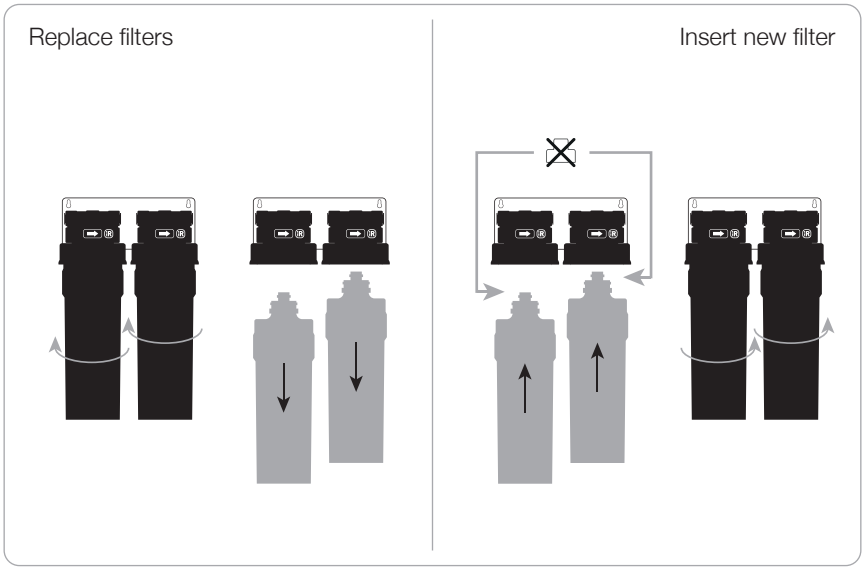
Before replacing the Profine® filters, close the water inlet valve and open the tap, only at the end of the intervention reopen the valve and close the tap.

SYSTEM CONDITIONING
After replacing the Profine® filters, let the water run at full flow for at least 5 minutes before drinking.

Open the tap and close the water intake valve (turn the lever to the right or left) from the beginning to the end of each intervention

1

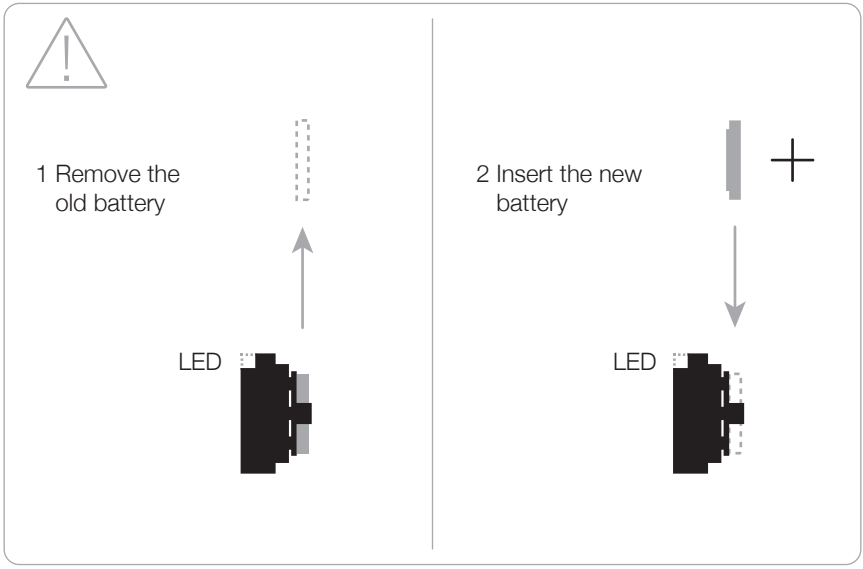




2

Profine® Pfas filters replacement (Y21486B)

Reset the tap counter after each filter replacement (page 11)



3

system disinfection

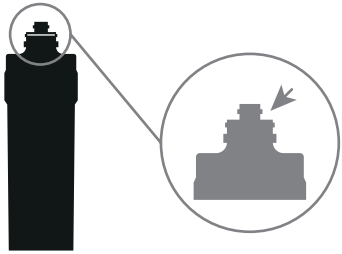
The operation must be carried out by qualified personnel.

The steps described include the use of oxidizing products, so it's necessary proceed with due caution, wearing appropriate protection (gloves, glasses …).
Carefully close all bottles of chemicals and make sure that no one, especially children or the elderly, can access them. At the end of the operation, thoroughly rinse the tools and protections under running water before putting water before putting them away.

Disinfection of the system is recommended every time the Profine® filter is replaced and if it isn't used for more than 60 days.

It is advisable use a chlorine solution with a minimum titration of 1%, respecting the precautions for use, as indicated by the supplier himself.

- Close the water intake valve and open the tap to release the pressure from the system.
- If disinfection is done with a sanitizing cartridge, inject about 5cc of chlorine solution in the outlet side (see image below). In the case of use of exhausted Profine® filter it's advisable to drain the water contained in it, before injecting the chlorine solution.
- Install the new Profine® filter in the head and open the water intake valve.
- Dispense 2 glasses of water, then turn off the tap and wait at least an hour so that the solution acts on the system components.
- Open the tap and dispense water for 5 minutes to completely remove the disinfectant from the system.



physico-chemical analysis

parameter		enter	exit
Pfas	ng/l	250	0
conductivity at 25° C	µS/cm	276 - 328	272 - 335
hydrogen ion concentration	pH	8.2 - 8.3	8.1 - 8.4
hardness	°F	15.3 - 15.9	13.7 - 16.3
chlorine	mg/l	0.09 - 0.12	0.02 - 0.04
aluminum	mg/l	0.006 - 0.012	0.0004 - 0.002
ammonium	mg/l	0.00	0.00
iron	mg/l	0.15 - 0.17	0.003 - 0.005
sulphate	mg/l	29.1 - 30.6	23.9 - 28.1

colonies 22-37° C	before	after
Coliform bact.	-	no change after 60 days of inactivity
pseudomonas aerug.	-	no change after 60 days of inactivity

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