Instruction manual Reverse Osmosis 5 STAGES

Models:

EUR-50

EUR-50 BP

EUR-35

BBbasic

Instruction content

PRESENTATION

First of all, we would like to thank you for the trust placed in purchasing one of our equipment.

From now on you can enjoy Osmotized water to drink and cook.

In your drinking water, you will notice an improvement in taste, just as it will be better for your coffee maker, making ice cubes and juices. When cooking with this water, the flavor of the food will be more noticeable.

You will save on the purchase of bottled water and will be able to benefit from the benefits of said equipment.

Introduction

What is the inverse osmosis?

Reverse Osmosis equipment is a complete water purification system, and is made up of a set of filters of different types, intended to offer the user a quality of water that is clearly superior to the drinking water supplied to their home by the network, as far as related to chemical and organoleptic properties.

Equipment composition according to model

EUR 50 AND EUR-50 BP COMPONENTS

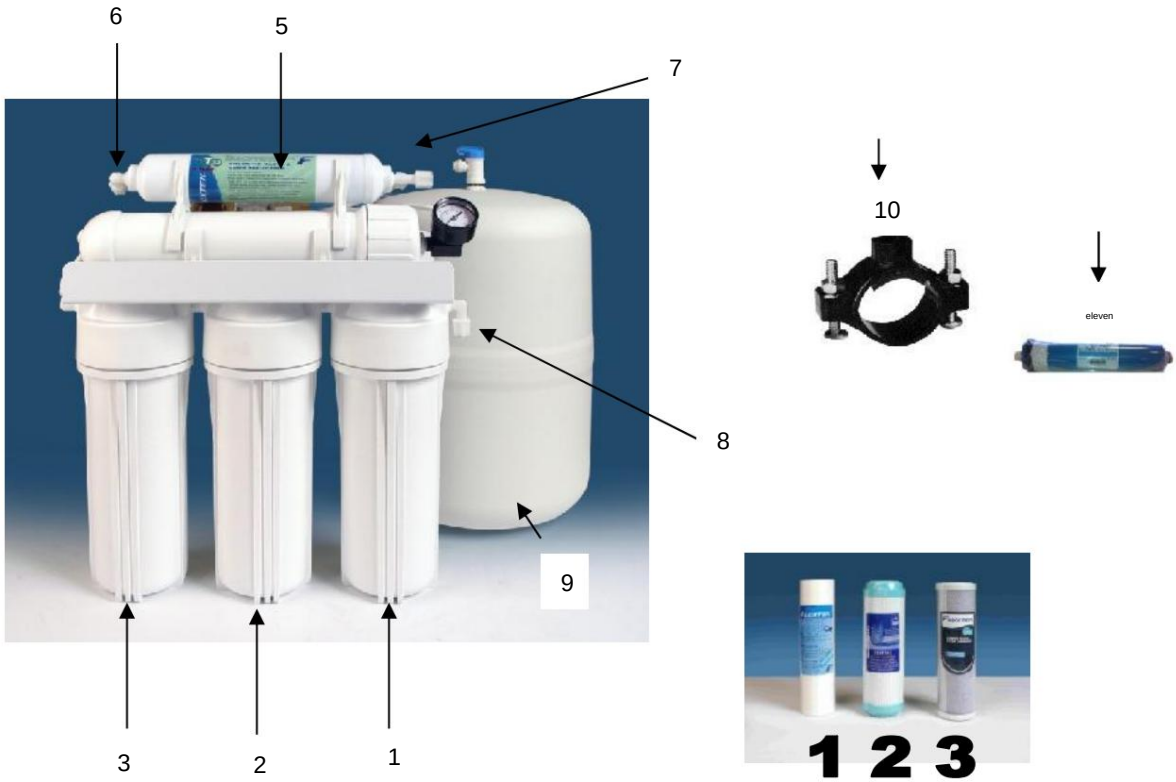
1.- Sediment Filter 5 microns	7.-Connection to pressurized tank (piping yellow)
2.-Granular carbon filter	8.-Main water inlet (orange pipe)
3.-Carbon block filter	9.-Pressurized tank
4.-Membrane casing (place membrane)	10.-Drain collar (black pipe)
5.-Gac postfilter	

6.-Purified water tap outlet (blue pipe) 11.-Membrane

12.-Bomb

THE EQUIPMENT DISPLAYED MAY NOT AESTHETICLY MATCH YOURS.

COMPONENTS EUR- 35



1.- Sediment Filter 5 microns

2.-Granular carbon filter

3.-Carbon block filter

4.-Membrane casing

5.-Gac postfilter

6.-Purified water tap outlet

7.-Connection to pressurized tank

8.-Network water inlet

9.-Pressurized tank

10.-Drain collar

11.-Membrane

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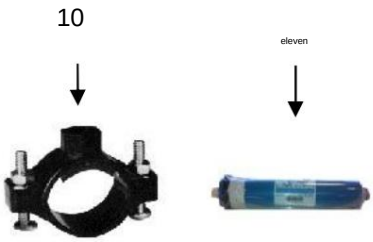
BBBASIC COMPONENTS



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Description of equipment components

Your reverse osmosis equipment is made up of the following components:

5 micron sediment cartridge (1): this filter eliminates suspended particles in tap water.

Granular Carbon Cartridges (2) and radial flow (3): their function is to eliminate the chlorine present in the water.

Osmosis Membrane 50 GPD (4): this cartridge is the most sophisticated filter element, being responsible for the reduction of salts present in the water. (In the BBbasic and EUR-35 model the membrane is 35 GPD).

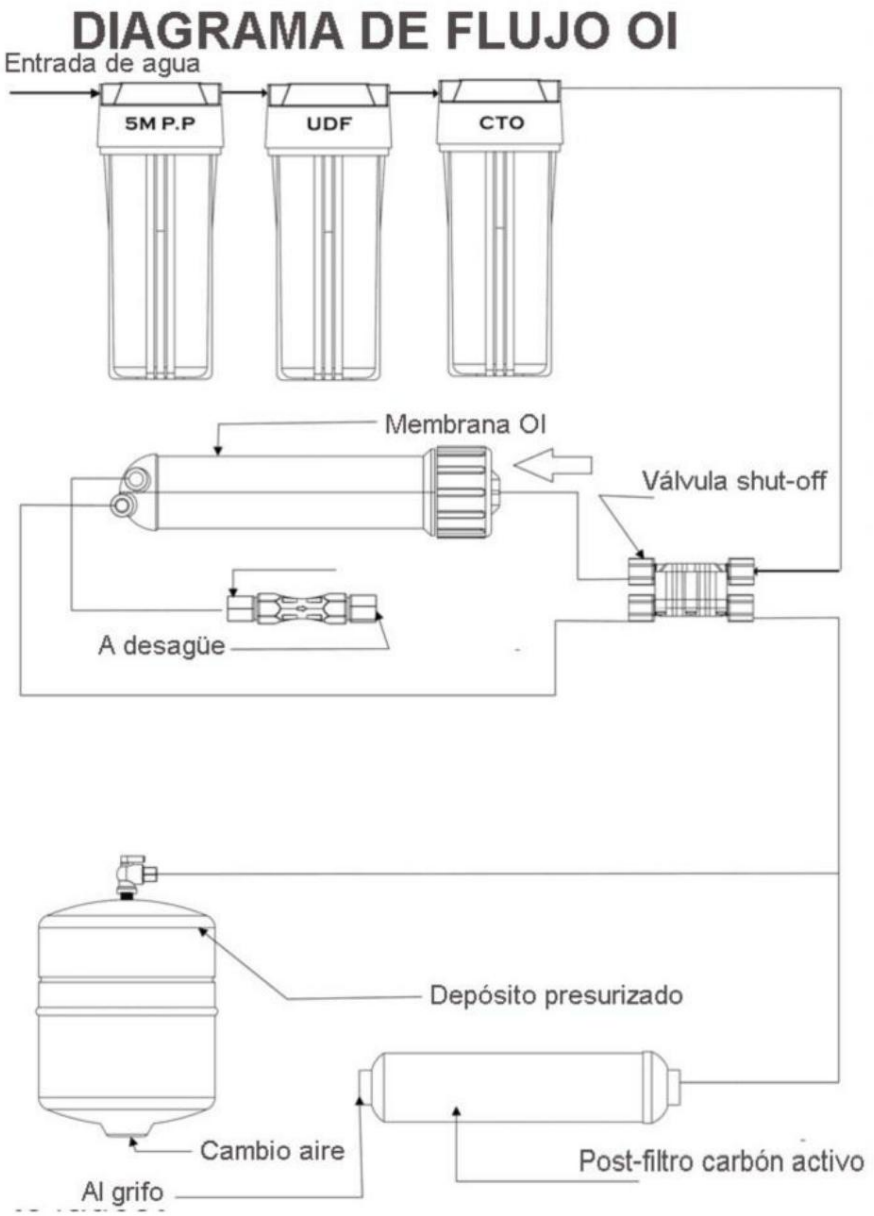
Carbon post-filter (5): the mission of this filter will be to eliminate the possible residual flavor that could result from the passage of water through the membranes.

Water storage tank: it is a pressurized water tank, whose purpose is to store the treated water and whose maximum capacity will depend on the inlet pressure. The air pressure of the tank without water should be between 0.3 - 0.5 Kg/cm2 of air. The tank is loaded at the factory.

Dispenser tap: to be installed in the kitchen sink and have osmosis water just by opening a tap.

Installation kit: includes all the necessary components to install your reverse osmosis equipment under the kitchen sink, with the water inlet visible.

Hydraulic diagram



Equipment installation

Important points to consider before installing

Do not connect the equipment to the hot water supply.

The network pressure must be between 3 5 kg/cm2 or bar. If you have less than 3 bars, you must install equipment with a pump, EUR-50 BP.

If the pressure exceeds or equals 5 bar, a pressure regulator rated at 4.5 bars must be installed.

The maximum salinity that these equipment admits is 1,500 ppm.

The water temperature must be between 5ºC and 38ºC.

The ambient temperature of the place where the equipment is located must be between 10ºC and 38ºC.

Before consuming the water in your equipment, it is recommended to empty the water tank 2 to 4 times.

If the equipment will be inactive for a period of time, it is advisable to close the inlet water tap and empty the equipment tank. When you return, open the entry valve and empty a couple of tanks again.

Installation Preparation

The first step is to unpack the three cartridges, removing the plastic packaging.

Next we will place them in their container glass with the gaskets upwards.

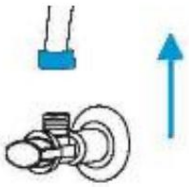
The first to place and looking at the equipment from the front, and from right to left, is the sediment one, then the granular carbon and finally the block (meshed) carbon.

We will do the same with the membrane; to do this, we must unscrew the container lid. Remove the membrane from its packaging (Bag) and place it inside the container. Make sure that the end of the two joints goes to the end, and pressing gently.

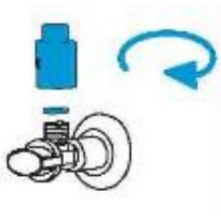
Facility

Water intake placement: Turn off the cold water hose that supplies your kitchen faucet. If there is not one, turn off the main water tap in your home.

Unscrew the cold water hose.



Install the 3/8 wrench included in the installation kit, placing the gaskets (Although Teflon is better)



Later reconnect the hose to the 3/8 socket

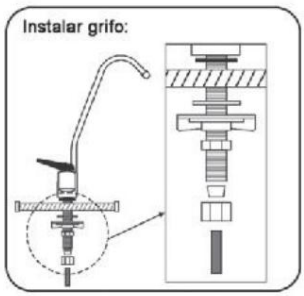
recently installed. Connect one end of tubing to the fitting on the

key and the other end to the water inlet of our equipment (8) (IN).

Dispenser faucet placement: Drill a 12mm hole in the sink, making sure the bottom is accessible for the connection.

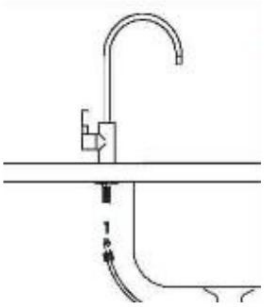
Insert the thread of the faucet together with the chrome trim ring and the sealing gasket through the top of the countertop or sink.
steel.

At the bottom of the thread connect the remaining pieces in the following order: retaining washer, washer and nut. Tighten the nut firmly, to ensure correct fixation of the faucet in its position.
worktop.



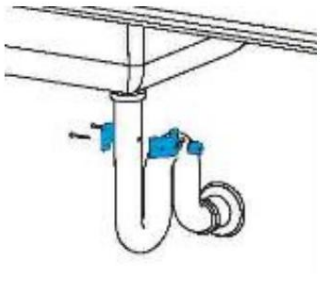
Insert one end of the pipe into the chrome threaded connection

female, place the white plastic oval at the end of the tube and insert the straight white piece into the tube. Once we have it, screw it to the lower thread of the faucet, ensuring watertightness. Then connect the other end to the post filter outlet elbow (FAUCET).



Drain connection : It is advisable to install the collar after the sink siphon to avoid noise from water rejection, although it can also be installed before.

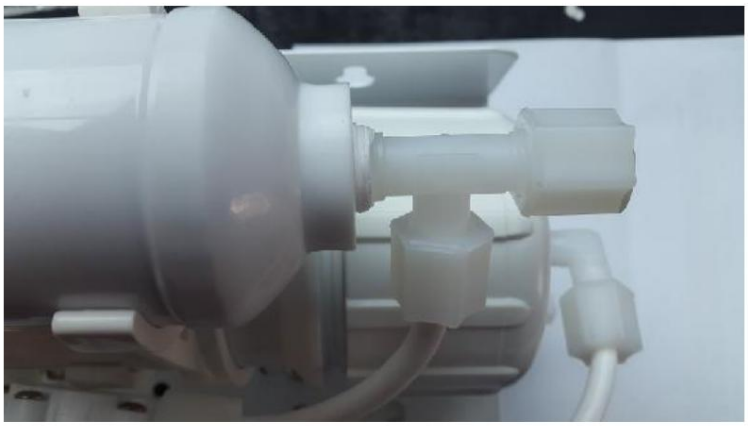
Make a 6mm hole, place the collar by tightening the nuts.



Connect one tube to the drain and the other end to the restrictor (DRAIN).

Storage tank connection: Do not tamper with the air in the tank. Remove the plastic valve (blue handle) from the installation kit and screw it into the accumulation tank.

To ensure tightness, use roll (not thread) Teflon for the tank thread and tighten it by hand without overtightening.
Subsequently, connect another pipe that joins the tank with the other end of the post filter (TANK).



Commissioning of the equipment

Check that all connections are secure and tight.

Disconnect the pipe that goes from the third filter outlet to the 4-way valve, taking it to a bucket or drain.
Slowly open the water tap and you will be able to see how black water begins to come out of the pipe that we just disconnected.
Once black (activated carbon dust) stops coming out (it may not come out), close the inlet and reconnect the tube to the four-way valve.

Open the entry key again and let the equipment work for 4 hours.
After 4 hours, empty the tank completely (black, cloudy or whitish water may come out, this is normal).
Repeat this operation 2-4 times until the water comes out clear (this process will be repeated with each filter change).
From now on you can consume your osmosis water.
The tank that comes with the equipment is already loaded with air (0.5kg), in no case do you have to modify it without the consent of the manufacturer.

Annual maintenance

BBagua equipment has been designed so that you can easily carry out maintenance yourself, although we always recommend that it be carried out by qualified official service personnel. It is important to establish a schedule for cartridge replacement and maintenance operations to avoid premature deterioration of the membrane.

Component change frequency:

The change of the 3 vertical filters will be annual.

The post-filter will be changed every 2 years.

The membrane will be changed between 2 and 4 years, as long as maintenance is carried out annually and depending on the water to be treated. Although the most accurate way to know is by testing with the TDS meter.

Sanitization Protocol for your equipment

According to RD 140/2003, all water treatment equipment must be properly maintained by sanitizing the equipment whenever there is a risk of contamination when handling it.

It is recommended to perform this procedure before placing the new maintenance cartridges.

To carry out this protocol we will need the following materials:

- Single-USE vinyl gloves (to ensure they are sterile).

- Osmosclean or BbClean.
- Brush.

Steps to follow for disinfection:

1) To start disinfection, the installation must be purged. To do this, you must close the water supply tap to the equipment (cock installed on the cold water hose on the side of the sediment cartridge) and open the osmosis water tap to empty all the water contained in the equipment and in the tank. of accumulation.

2) Unscrew the three cartridge cups with the wrench supplied with the equipment.

3) Put on sterile gloves.
4) Remove the cartridges from the glasses (it is not necessary to remove the post filter), empty the remaining water from the glasses.
5) Rinse the glasses, clean them with the brush and add the entire content of **BbClean ,** distributing it among the 3 glasses.

6) Screw back on and tighten the three cups with the tool wrench.
without inserting the cartridges.

7) Open the mains water supply tap and close the osmosis water tap, run the Osmosis equipment to send the solution to the tank and let it act for 20 to 30 minutes.

8) Once **BbClean** has worked, cut off the water supply, purge the installation and the accumulation tank by opening the osmosis water tap until the system is completely emptied.
Once the system has been completely emptied, you can install the sediment filter, carbon filters, and change the post-filter if applicable (normally every 2 years).
Note: Before inserting new activated carbon cartridges, it is essential to rinse them to remove carbon dust. If they are not rinsed, there is a risk of clogging the reverse osmosis membrane.

9) Open the mains water tap again and leave the osmosis water tap open to rinse the system. Let the installation rinse for 15 to 20 minutes. Close the osmosis water tap

10) Now you can use your Reverse Osmosis equipment again.
Remind you that the Osmosis tank usually takes 3 to 4 hours to fill.

Note: To proceed with disinfection with the **BbClean product,** you must wear protective gloves. Gloves serve to protect your hands and prevent contamination of the Reverse Osmosis equipment.

Frequently asked questions or possible breakdowns

FAULT	LOCATION	SOLUTION
WATER LEAK	FILTERS	Possible damaged gasket, it must be replaced.
	TAP	It doesn't cut because the cylinder must be worn out. Replace tap
	CONNECTIONS	Possible lack of Teflon TANK
LITTLE PRODUCTION	FULL	Lack of air in tank. Fill with the empty tank at 0.3-0.5kg/cm2 .
		Closed tank key. Open.
DOES NOT COME OUT WATER	DEPOSIT EMPTY	Wait 3 to 5 hours to be completely filled.
		Closed tank key. Open.
LITTLE PRODUCTION		Dirty filters. change them
		Insufficient inlet pressure. Place bomb.
		Closed equipment entrance key. Open
		Clogged membrane. Change.
DOESN'T STOP DRAIN		Dirty 4-way valve. Change.
		Possible lack of network pressure. Install pressure pump for osmosis.
WATER WHITENESS		Possible air in the water. Empty several tanks.

Standard Reverse Osmosis Exploded View

Code	Photo	Description
GS521001.0		Elbow ¼ X ¼
521000.3		Elbow ¼ x 1/8
521000.2		Non-return elbow
GS524003.0		1/4 thread
GS700021.2		Tank key
GS530010		Key open filters and membrane
110014.0		BBbasic flow restrictor
110012.0		EUR-50 Flow Restrictor
110015		EUR-50BP Flow Restrictor
GS110103.2		ShutOff Valve
110112		EUR-50 pressure gauge
110105		EUR-35 pressure gauge
530144		Glass 10 EUR-50

530145		Glass 10 EUR-35/BbBasic
GS510004.0		¼ pipe kit
700004.0		Deposit EUR-50 (plastic)
700000.0		Tank 10L EUR-35/ Bbbasic (Metal)
GS110102		Drain collar
110208		Osmosis Faucet EUR-50
GS110207		Osmosis Faucet EUR-35/Bbbasic
GS110021		Pressure reducer ¼
GS110100.0		Water intake 3/8
GS530144.0		Glass gasket 10 EUR-35
		Glass gasket 10 EUR-50
GS110025		Pump kit
110022		EUR-50 BP pump
110022.0		Pump Transformer
110024		Maximum pressure switch
110023		Minimum pressure switch

Bbagua Installation and Commissioning Service

	Request the Installation and Commissioning Service	902 14 14 74 www.bbagua.com

WARRANTY CLARIFICATIONS 2 YEARS 1. The factory warranty does not include travel to the home, it will only be included for 6 months, in the event that any of the services indicated below have been contracted by the official Bbagua service.
2. Any manipulation of the equipment by personnel not authorized by Bbagua will automatically void the warranty.
3. The warranty will only be covered as long as annual maintenance is carried out periodically every 12 months, providing documentation.
4. The warranty will not cover materials due to wear and tear (membranes, filter cartridges...).
5. The warranty will also not cover claims for equipment that is not installed in accordance with the manufacturer's instructions, nor losses caused by variations in network pressure, always recommending the installation of pressure reducers.

INSTALLATION AND COMMISSIONING SERVICES

Installation and Put on going	Price (€) DOES NOT INCLUDE VAT	Installation and Commissioning offer characteristics
Domestic reverse osmosis (includes start-up)	€75	Standard installation under the kitchen sink. Travel and labor included. Services more than 30 km away from the place of purchase of the equipment, a travel surcharge of €0.25/Km will be charged.
Softener domestic (includes start-up)	€200	**Does not include pre-installation of plumbing or masonry work** For installation, it is necessary to have visible water inlets, a 220 V electrical outlet and a drain point at a maximum of 2 meters from the place where the softener is installed. Travel and labor included. Services more than 30 km away from the place of purchase of the equipment, a travel surcharge of €0.25 per km round trip will be counted.
Softener + Reverse Osmosis	€250	Installation of the equipment in compliance with the previous instructions and the price will be maintained as long as both equipment is installed on the same day.
Commissioning Service	**Price (€)** DOES NOT INCLUDE VAT	**Offer characteristics Start-up**
Reverse osmosis i Domestic descaler	**€50** per team **€75** for both teams in the same home	In the event that you carry out the installation, we can offer a start-up service, in which we would verify the installation of the equipment, carrying out the appropriate programming of the parameters according to the client's needs. Travel and labor included. Services more than 30 km away from the place of purchase of the equipment, a travel surcharge of €0.25 per km round trip will be charged.

AFTER-SALES SERVICE

Consult your distributor about Maintenance and After-sales Service Contracts
In the event that the client does not want a Maintenance Contract, the client can call us for any breakdown and our Technical Service will assist you, in accordance with the current prices specified below:

Travel: €31
More than 30km: €31 * + €0.25/
Km Labor: €36* / hour
Materials and/or spare parts: CURRENT
RRP **Prices do not include VAT**

Note: The company reserves the right to modify prices without prior notice.

BBagua will not
accept returns of equipment that
has been installed and
used.

Customer service in
902.14.14.74

on Facebook or

www.bbagua.com