

# Osmio Clarity Gravity Water Filter System User Manual



# Introduction

The Osmio Clarity is made of borosilicate glass and has a wooden lid and stand. It comes complete with Coldstream Sentry Gravity Filters, which filter to a nominal 0.2 micron level. Internally the filters contain carbon and calcium phosphate. The biscuit ceramic layer provides 0.2 micron nominal physical barrier to particles, and the carbon and calcium phosphate inside the filter absorb chemicals and metals.

## Key points from this manual

- 1) The filters must be fitted with the white washer in the upper reservoir and the black washer underneath with the wingnut.  
Please note the filters do not sit exactly straight in the upper reservoir.
- 2) Daylight exposure creates the conditions for bacteria to thrive, so unless you do regular cleaning (every 2-4 weeks) green algae will form, so it is especially important to not place the system where it is near daylight, e.g. a window. See care instructions for how to clean the glass and filters, do not skip this section.
- 3) The reservoirs are made of glass and are fragile, please take care when handling the system, especially when installing filters (take care not to overtighten).
- 4) The filters are changed on average every 6 months. Please download the test reports in the Files section of the product page for third party filter performance data.
- 5) Getting the wooden parts (stand and lid) wet will cause the wood to swell and become damages, so keep these parts dry and if they get wet, dry them right away.



**Please ensure you are careful not to damage the glass when installing filters and thoroughly examine and inspect the filter and tap holes in the upper and lower reservoir to ensure the glass is not damaged.**

**KEEP OUT OF REACH OF SMALL CHILDREN**

# Understanding the System



The water level will never get to the bottom due to the lack of weight to drive it through the filter, please note there will always be up to 1-2 inches of water left here

One White Gasket at the top and one Black Gasket at the bottom (any extra ones supplied are spares)

Getting the stand or lid wet will cause wood to swell so keep it dry and if it gets wet, dry it right away



Mango

Wooden Lid with Metal Handle and Air inlet Valve (which lets air in to stop air locks)



Wooden Base and Stainless Steel Tap with Fittings



A - 204 mm

B - 660 mm

C - 540 mm

D - 240 mm

E - 135 mm

## Box Contents

- Glass Upper and Lower Reservoir
- Two Coldstream Sentry Filters (come supplied with one wingnut and two black gaskets, one to use and one spare)
- Two White Gaskets (Used in the Upper Chamber)
- Stainless Steel Spigot Tap with two washers and nut.
- Wooden Lid and Stand

## Before Assembly

Cleanliness is paramount. Ensure that you wash your hands or wear rubber gloves before commencing. Carefully unpack the box and familiarise yourself with all the components. Carefully clean the glass bowls. Ensure there are no shards of glass.

## Choose the location for the housing

Choose a cool, dry location with a flat and steady surface. Please note that if the system is in direct sunlight, this can cause the water to receive lovely energy from the sun, but if left for a long time will make the water go bad!

## Installation Step 1: Install the Tap



Unscrew the nut from the stainless steel tap. Remove the protective film (if applicable) from the outer stainless steel washer and place it onto the tap thread.

Ensure the concave shape is orientated to match the silicone grommet that is to be fitted next. Place a silicon gaskets onto the tap thread and push down to rest against the washer.

From the outside, insert the tap thread through the hole in the lower reservoir. From the inside of the reservoir; Place the second silicon gasket over the thread, remove the protective film from the stainless steel washer before placing this over the thread and ensure it is correctly seated.

Using your fingers, tighten the nut onto the thread, ensuring the tap is correctly orientated. Holding the tap in place, tighten the in inside until the silicon gaskets match the shape of the reservoir inside and out. Do not over-tighten beyond this point. Usually it is not necessary to use a spanner to make the nut really tight. Most people can do it by hand.

## Glass Lower Reservoir



### PLEASE NOTE

If you have any water coming from between the glass and the gaskets it normally indicates the nut needs further tightening.

Please note the tap lever should be closed before the lower reservoir fills with water.



**TAKE NOTE!** Fitting the tap for the first time (or when refitting the tap) can cause very small fragments of glass to shed off.

After fitting the tap, ensure you wipe the area and bowl clean with a dry cloth and also rinse the bowl with water.

## Installation Step 2: Install the Filters

- First insert one rubber **WHITE** gasket through the filter stem and place all the way to the end of the filter.

Put the reservoir on it's side.

- Insert the filter cap thread through one of the holes in the base of the top reservoir.



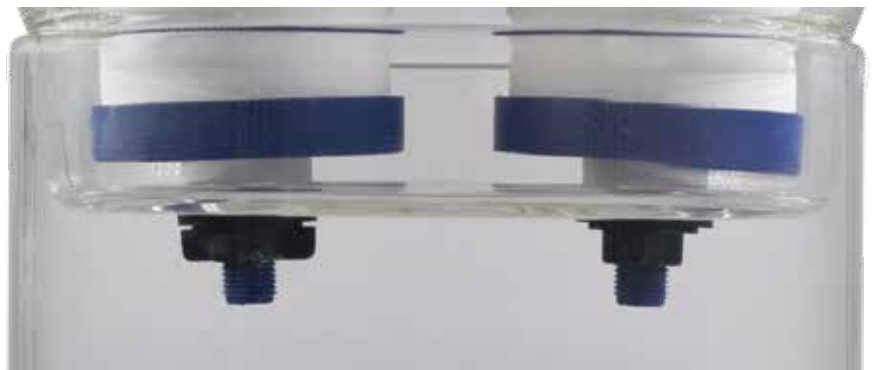
- While holding the filter, place the **BLACK** second washer over the stem and use the wing nut to tighten it up.



- Both gaskets are used for the filter. There must be one of either side of the glass to ensure any shard areas are covered over. **ONE BLACK WASHER IS A SPARE**

- Do not over tighten the wing-nut as this will cause the glass to crack or for the wing nut to cross thread.

- Repeat the above for the second filter.





## Installation Step 3: Flushing the filters

Make sure the tap is in the closed position. This is when the lever is at an angle to the tap (not in the line with the tap).

- Fill the upper tank to the top with water **using a separate jug, bottle or other container**. If you are not using mains treated water, ensure that the water used is in the very least running clear before use (unless if needed in disaster and emergency situations).
- Usually within 10 minutes or much sooner, the water will drip through the ceramic filter.
- **Check that the water is dropping from the filters themselves, and not between the rubber gaskets that make the seal between the filter and the two holes in the upper reservoir.**
- **Wait now for 1 hour and then discard then open the tap and discard the first filtered batch of water. Then repeat the process of filling the upper reservoir. After this has come through the water is ready to use.**
- The maximum flow will be reached when the filter is completely saturated and all the air has been primed out. Ceramic contains many air pores after manufacturing and it will take up to 5 full cycles for trapped air to escape completely and maximum flow to be achieved.
- When filling the upper tank, **take care not to overfill**. The water level in the upper tank must not exceed the empty volume of the lower tank to prevent the joint from spilling between the tanks.



**For the initial filter of the filter there may be carbon or ceramic residue there. The filter system also does not reduce more than approximately 30% of limescale so white particle build up can happen because of that. Ensure you regularly clean your lower reservoir or as required.**

## System maintenance



### Filter Changing & Cleaning

- If after months of use the flow decreases, it may be possible to extend the life of the filter and improve the flow by cleaning the Coldstream Sentry Ceramic Filter Candle. It is recommended to change the filters every 6 months.
- Carefully remove candle from the unit and handle it as any fragile ceramic. Using a new and clean soft toothbrush or soft scouring pad, scrub the filter under running water or in a bowl of water.
- Always brush away from threaded mount, taking care not to contaminate the mount. Never use soap, detergents nor steel wool.

Be sure to follow the process in Step2 for reinstalling the filters. If you accidentally drop the candle and it did not break, to ensure the integrity do the following test. First the filter needs to be air dried for at least 24 hours. Submerge it into water container while holding a finger over the outlet to keep the air inside. If there is a crack the trapped air would exit through it and you would see bubbles indicating replacement.

### Housing cleaning

- Vinegar or citric acid with a damp cloth works great to clean off any limescale that would build up over time. It is recommended to clean the glass upper and lower reservoir frequently to prevent algae and limescale build up.

**NB - USE THE OSMIO SANSER SPRAY WHICH USES SALT AND TAP WATER AND ELECTRICITY TO MAKE BLEACH WHICH YOU CAN USE TO SPRAY YOUR GLASS AND CERAMIC FILTERS.**



# FAQs and Troubleshooting

## 1. What is the round plastic part on the lid?

This is to let air in. Do not use this to refill the upper chamber. Always take the lid off and we recommend to use a jug to refill the upper reservoir.

## 2. Why is the system getting wet outside?

This is due to condensation forming on the glass. This is not ideal as the condensation can run down and damage wooden stand. Condensation can happen after cold water is put into the upper reservoir and the room is warm and has moisture in the air (humidity). To minimise this, ensure there is good ventilation in the room.

## 3. What do I do when going on holiday?

If the filters are less than 4 months old, you can clean them and place them in a clean grip seal bag for up to 2 weeks in the fridge and reinstall them after, and then flush them as per a new set of filters. If in any doubt, the safest option is to use new filters. Leave the upper and lower reservoir dry and clean them before reusing.

## 4. How often should the filters be changed for the optimum fluoride reduction?

Based on tests, each filter should provide 500 litres of fluoridated water filtration where the fluoride level is not exceeding 1.5 ppm. At 3000 litres the fluoride reduction was tested to be around, which means you should estimate how many litres per day you are using and amend your replacement frequency accordingly.

## 5. How often should I clean the system?

We think every 2 weeks. Using the Osmio Sanser Sanitising Spray makes cleaning the system very easy and environmentally friendly.