ECO 3 Filter Housing and Pipework Installation Instructions.

1. These instructions explain how to replace your Franke Triflow filter assembly with the ECO 3 recyclable filter system. Once the installation is complete please register this product online by emailing info@sinks-taps.com with your name and address.

Existing Filter Housing and Flexible Hose Removal

1. The first thing to do is isolate the water supply to the existing filter cartridge. This is usually done by turning, the blue lever ball valve supplied as standard by Franke, so it is no longer parallel with the pipework.

   If this has not been installed then isolate the mains water to the cold side of the mixer before the branch pipe which supplies the filter.

2. Open the filtered water lever on the mixer tap, this will drain the pressure from the tap, filter and associated pipework.

3. Disconnect the inlet flexible hose from filter cartridge, if you have a **stainless steel housing** you will need a spanner, if you have an alternative **plastic housing** you will be able to remove them by hand as they are push-fit connections.

4. With all the hoses disconnected, remove the filter housing and support bracket.

ECO 3 Filter Housing Installation

1. Before starting, decide whether the rotary plate is required – this is supplied so the filter can be installed in varying positions.

2. Measure and mark the center of the desired filter location, this needn't be the position of the filter you have just removed, but make sure this is done in a suitable place as you will need future access to change the filter every six months.

3. Screw the snap fit bracket or rotary wall plate into the marked location. If the rotary wall plate option has been used, attach the bracket to the wall plate at the required angle, using the screw provided. Always ensure the location lug is pointing upwards.

4. Locate and push the filter head into the bracket until you feel it click into place. (It will only fit one way – with the black location arrows facing outward).

5. NOW GO DIRECTLY TO ONE OF THE OPTIONS BELOW BEFORE READING ITEMS 6 AND 7.

6. With the water and isolation tee turned on, open the filtered water lever on the tap and allow the water to flow for 1 minute.

7. The installation is now complete; we recommend the pipework is double checked again after a few hours to ensure there are no slow leaks. Write the installation and filter change dates on the label.

Filter Unit Pipework – Stainless Steel Housing TYPE 1

8. Once the filter is installed insert the ½" male x ¼" push-fit adapter in the braided stainless steel inlet hose and the 3/8" male x ¼" push-fit adapter in the braided stainless steel outlet hose.

9. Cut a section of ¼" white plastic tube for both the filter inlet and outlet; ensure the tube is completely smooth and free from burrs around the ends.

10. Push one end of the pipe into the **inlet** braided hose (the one with the larger fitting); push the other end of the pipe into the **inlet** side of the water filter (the right hand connection).

11. Take the second piece of tube, push one end into the **outlet** braided hose (the one with the smaller fitting); push into the **outlet** side of the water filter (the left hand connection).

Filter Unit Pipework – Plastic Housing TYPE 2

1. Once the filter is installed insert the existing blue hose into the 3/8" x ¼" reducer.

2. Cut a section of ¼" white plastic tube; ensure the tube is completely smooth and free from burrs around the ends. Insert one end into the reducer and the other into the **inlet** side of the water filter (the right hand connection).

3. Take the existing green ¼" tube and insert it straight into the **outlet** side of the water filter (the left hand connection).

Filter Unit Pipework – Plastic Housing TYPE 3

1. Once the filter is installed simply connect up both the inlet and outlet pipes with the new filter. No fittings are required as both filters use ¼" hoses.

Filter Unit Pipework – Stainless Steel Housing TYPE 4

1. Once the filter is installed insert both 90 degree elbow fittings into the 3/8 x ¼ reducers.

2. Cut a section of ¼" white plastic tube for both the filter inlet and outlet; ensure the tube is completely smooth and free from burrs around the ends.

3. Now simply connect up both the inlet and outlet pipes with the new filter.

Eco-Advantage: Active ceramics are naturally occuring. Remaining ceramic product can be scattered in the garden for improved soil drainage and plant growth. Filter housings can be reused/recycled at end of life.

Features and Benefits

Easy: Easy to fit. Installation instructions enclosed. Simple twist and unlock system for quick cartridge change.

Unique: The Eco-3 Replaceable Cartridge is the only hygienic recyclable filter in the market today. The cartridge is sealed in a patented high tech 4 layer FDA grade protective sleeve, meaning there can be no contact with the filtration media, ensuring no contamination on replacement.

Healthy: Drinking water free from chlorine and other contaminants is better for you and your family's health. Tool provided to prevent cross-contamination of filter, whilst World first hygienic sleeve prevents any contact with filtration media.

Approvals: Manufactured from FDA compliant materials to NSF standards (www.nsf.org).

Warning: Meant for filtering municipal water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Caution: To reduce the risk of property damage due to water leakage you must read and follow installation and use instructions before installation and use of this product.

www.nsf.org. WRAS = Water Regulations Advisory Scheme.

Contaminant Removal and Reduction

Effective filtration is dependent upon normal levels of contaminants, water pressure and flow rates as recommended under Specifics table.	
Chlorine, taste and odours	Up to 99%
Sediment removal	Yes
Reduction of trace heavy metals incl. copper, aluminium, mercury, zinc and more.	Yes
Ceramics kill and prevent re-growth or breeding of bacteria, fungi or algae within the cartridge. Creates sterile environment within the filter.	
The cartridge removes all particles and microbes to 0.5 microns. Cartridge will effectively remove dirt, rust and suspended matter. Removes chlorine, most organic chemical and compounds including THM's (Trihalomethanes).	
Effectively reduces volatile organic compounds for clean, safe, healthy and great tasting drinking water.	
Removal of pesticides, insecticides, detergents and other toxins.	
Enhances water through addition of 4 healthy minerals – Calcium, Magnesium, Potassium and Iron.	
Improved water clarity.	

Specifics

Size:	240mm x 60mm Ø
Usage:	Potable water
Flow rate:	2 litres/minute
Life span:	Up to 12 months (with normal water quality and usage)
Capacity:	8 000 litres (with normal water quality and usage)
Operating temperature:	4 - 38°C
Media:	0.5 micron carbon block with premium blend of active ceramics for added minerals, chlorine removal and bacterial kill
Connections:	6.5mm or 1/4" connections female thread for push fit compatibility

	ECO 3 Blue	Britta P 1000	Franke 06	Abode Aquifier AT2002	Caple Puriti 1	Astracast Springflow	Carron Phoenix FRX02	Rangemaster Spa TRECART	Perrin & Rowe Triflow	Smeg
Construction										
Plastic filter casing with internal carbon block	Y	Y	N	Y	Y	Y	N	Y	N	Y
Plastic filter casing with internal resin and carbon discs	N	Y	N	N	N	N	N	N	N	N
Bacteriostatic liner/ Hygienic bag system	Y	N	N	N	N	N	N	N	N	N
Plastic or metal housing with ceramic block	N	N	Y	N	N	N	Y	N	Y	N
Positive Features										
Quick change **with no** media contact/contamination (bacteria free change)	Y	Y	N	Y	N	N	N	N	N	N
Automatic isolation valve in head for easy dry exchange	Y	Y	N	Y	N	N	N	N	N	N
90% reduction in carbon footprint plastic waste	Y	N	N	N	N	N	N	N	N	N
Negative Features										
Cartridge change **with** media contact/contamination	N	N	Y	N	N	N	Y	N	Y	Y
Wet cartridge change (breaking water line or fittings)	N	N	Y	N	Y	Y	Y	Y	Y	Y
Used plastic or cartridge to waste (typically landfill site)	N	Y	N	Y	Y	N	Y	Y	Y	Y
Performance										
Pre filter	Y	Y	N	N	N	N	N	N	N	N
Limescale prevention	Y	Y	Y	Y	Y	Y	N	N	N	N
Chlorine removal	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Improves taste and odour	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
Life (months)	6	3 - 6	3 - 6	6	6	6	6	6	6	6
Approvals										
WRAS approved cartridge	Y	Y	N	N	Y	N	N	N	N	Y
NSF APPROVED AND TESTED to standard 42 and 53	Y	N	N	N	N	N	N	N	N	N
Other Information										
UK based company	Y	N	N	N	N	N	N	N	N	N