

Countertop Reverse Osmosis System

4 Stage Filtration - RO4000

Brochure

Reverse Osmosis

Of all methods that purify drinking water for domestic use, the process of Reverse Osmosis is the most advanced, economical and effective.

The RO4000 removes all contaminants that are of concern to the consumer - such as chlorine, dissolved solids, fluoride, bacteria, parasites, viruses, inorganic chemicals, pesticides and heavy metals. These impurities are flushed down the drain rather than collected in the filters - preventing any build up, which may be the case with standard filtration systems.

The system is hand built in Australia and has been made using high quality components, filters and parts.

CONVENIENT PORTABLE DESIGN

Produce Pure Water Anywhere

COMPLETE PROTECTION

Efficient Four Stage Filtration

5 YEAR WARRANTY*

Hand Built and Factory Tested

The RO4000 Countertop Reverse Osmosis System



EFFECTIVELY REMOVES

- Aluminium
- Barium
- Cadium
- Chlorine
- Chromium
- Copper
- Cryptosporidium
- Cysts
- e-Coli Bacteria
- Fluoride
- Giardia
- Heavy Metals
- Hydrocarbons
- Iron
- Lead
- Manganese
- Mercury
- Nitrate
- PCB's
- Potassium
- Radium
- Selenium
- Sodium
- Taste & Odour

Specifications

Production @60 Psi 25°C	400 litres per day
RO System Dimensions (cm)	34(W) x 17(H) x 16.5(D)
Micron Rating	0.0005 Micron
Warranty	5 years*



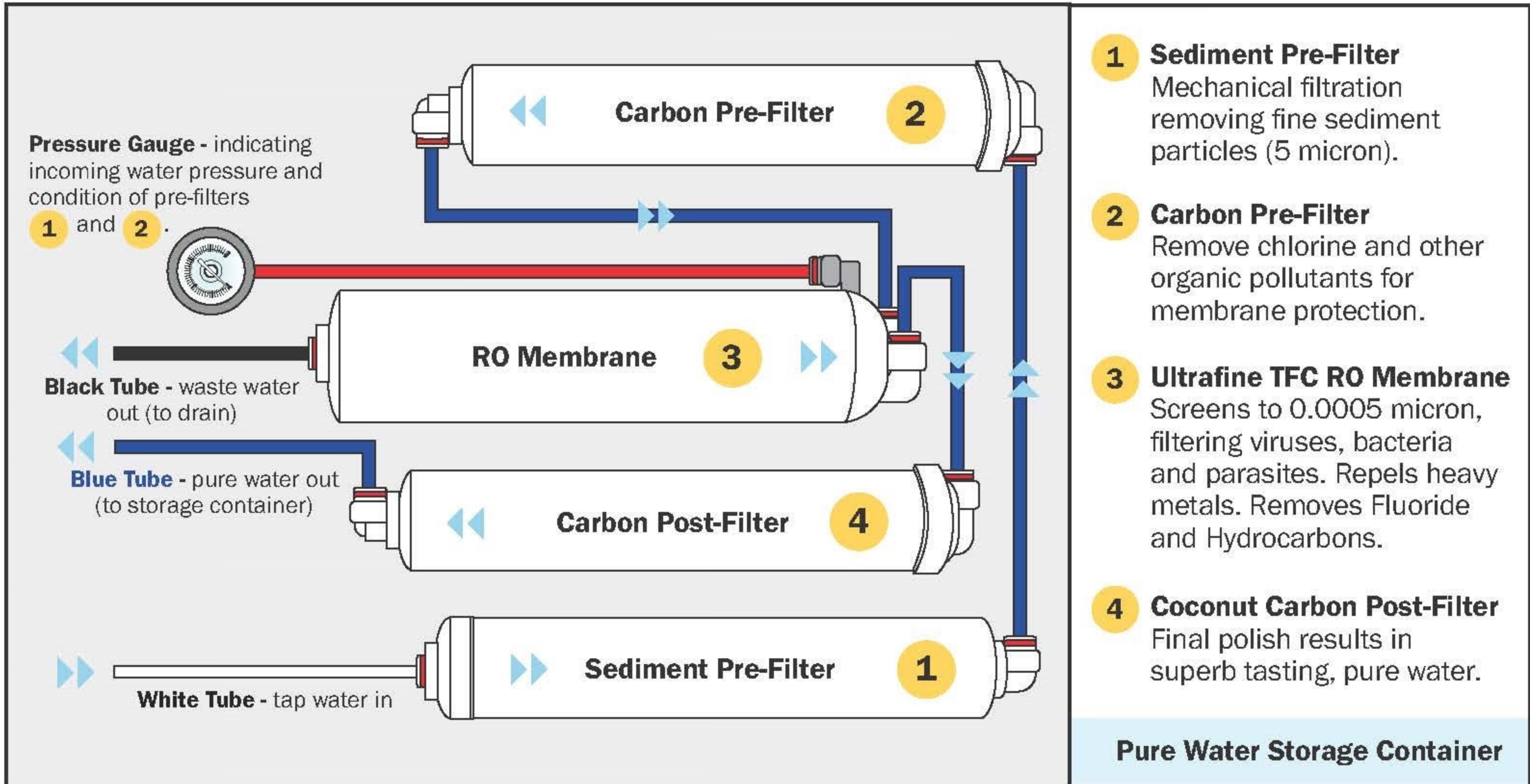
No mains plumbing required!

Simply attach to your existing kitchen faucet/aerator.

*Warranty Terms & Conditions apply.

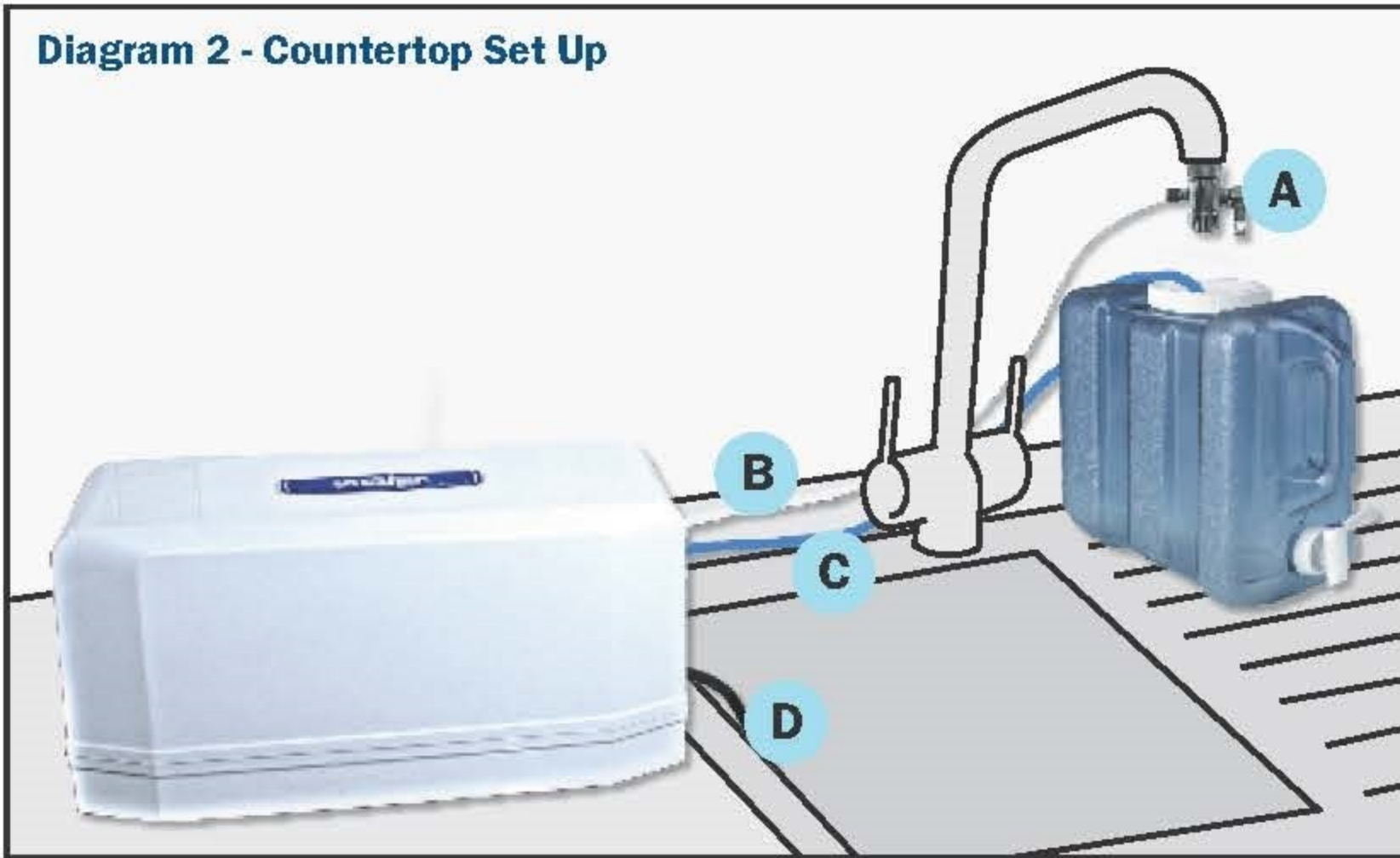
RO4000 Countertop Reverse Osmosis System

RO 4-Stage Filtration Process Diagram 1



Simple Self Installation

Diagram 2 - Countertop Set Up



- A** **Diverter** connects the kitchen faucet to the white tube.
- B** **1/4" white tube** connects the diverter to the filter system.
- C** **1/4" blue tube** feeds pure water to the storage container.
- D** **1/4" black tube** feeds waste water to the drain.

Diagram 3 - Tap Fittings



- 1** Find a convenient location on your bench top to place the filtration system in reach of your chosen faucet.
- 2** Remove/unscrew the existing aerator off your existing faucet.
- 3** Ensure you have assembled the correct fittings within the diverter (depending on the male/female thread of your kitchen faucet, **please refer to Diagram 3**). Simply connect/screw on the diverter valve to the faucet.



This system is for use on a cold water line only.
Hot water may damage the RO Membrane.

NOTE: An external thread indicates a male fitting. An internal thread indicates a female fitting.

Countertop Reverse Osmosis System

4 Stage Filtration - R04000

Maintenance Guide

R04000 Assembly

Diagram 1 - Labelled Assembly of Quality Components

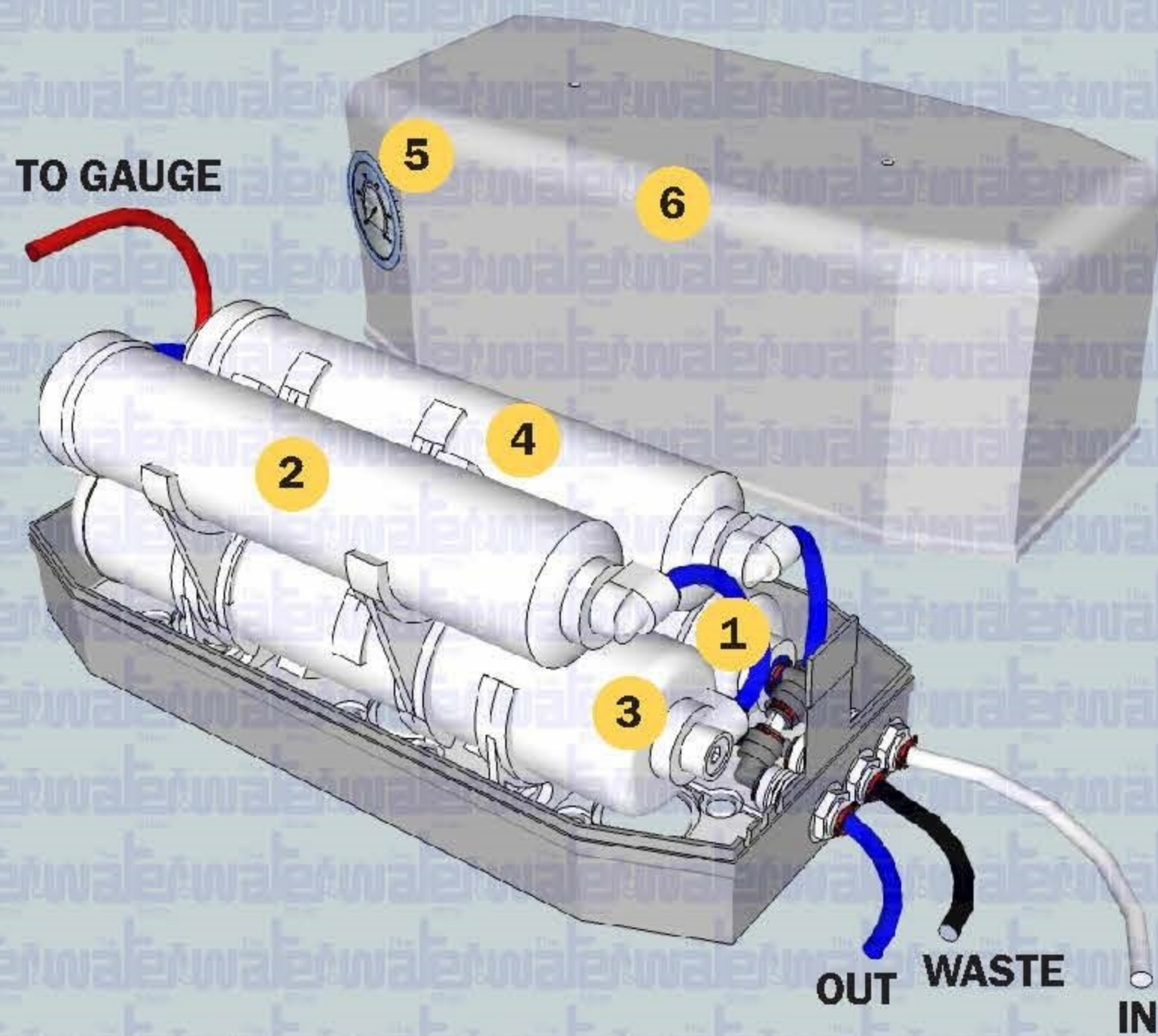
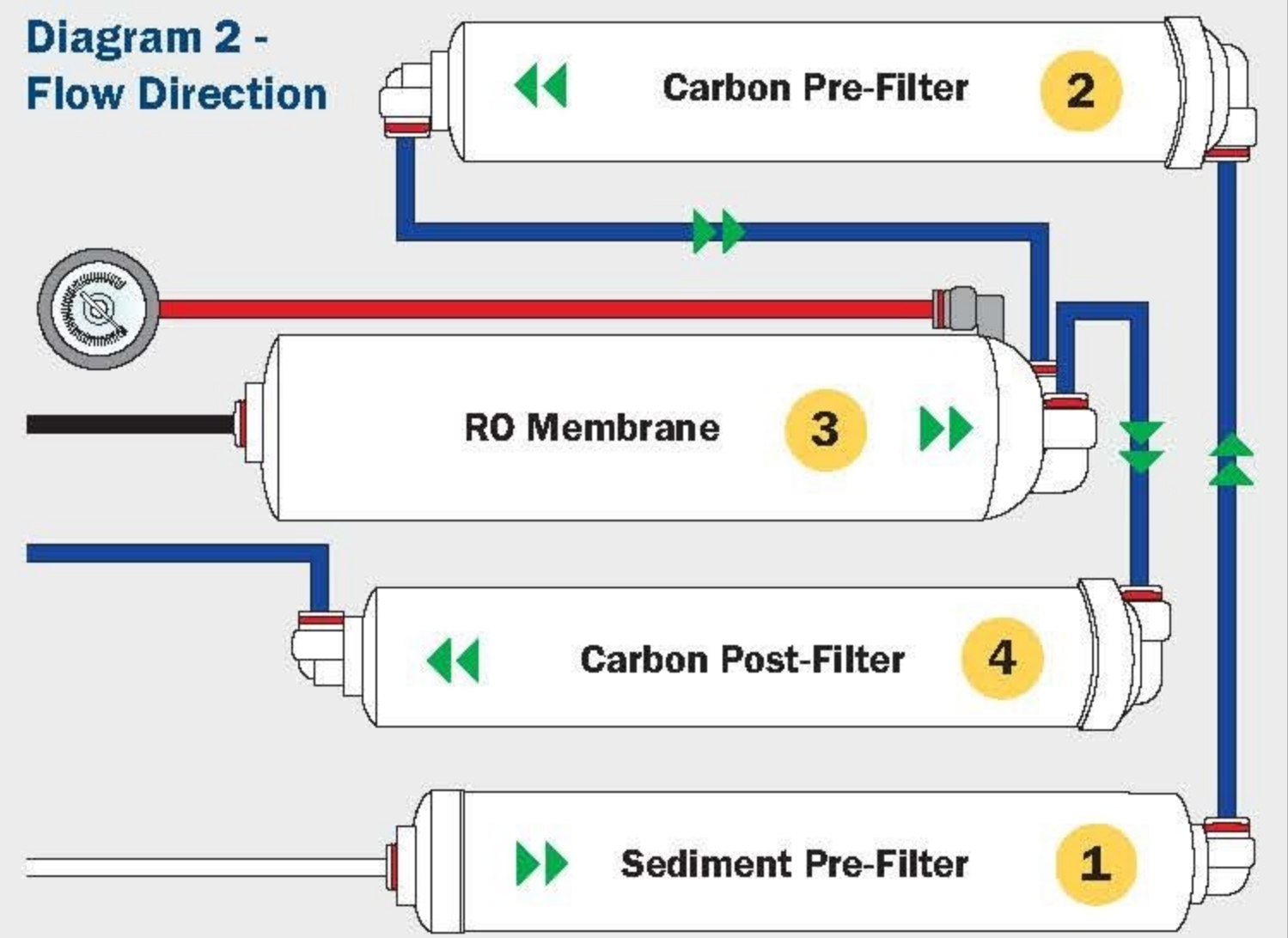


Diagram 2 - Flow Direction



Components

1	Sediment Pre-Filter	4	Carbon Post Filter
2	Carbon Pre-Filter	5	Pressure Gauge
3	RO Membrane	6	Plastic Cover

Step by Step Maintenance

- 1 Remove the cover by compressing the clips at each end of the unit.
- 2 Disconnect the red hose that connects the RO Membrane to the pressure gauge.
- 3 Disconnect the Sediment Pre-Filter 1. Taking note of the inlet hose, replace with the **new** Sediment Pre-Filter. Ensure the flow direction is correct (see **Diagram 2**).
- 4 Disconnect and dispose of the Carbon Pre-Filter 2 taking note of the inlet hose. Insert hose into inlet of the new Carbon Pre-Filter. Ensure the flow direction is correct (see **Diagram 2**). Leaving the outlet **disconnected**, allow to run for a few minutes to flush the cartridge. This will flush the carbon fines inherent in the new Carbon Pre-Filter, preventing premature clogging of the RO Membrane 3.
- 5 Insert hose into the outlet of the new Carbon Pre-Filter 2.
- 6 Disconnect the Carbon Post-Filter 4. Taking note of the hose inlet's, replace with new Carbon Post-Filter. Ensure the flow direction is correct (see **Diagram 2**). Flush the system for a few minutes before drinking.

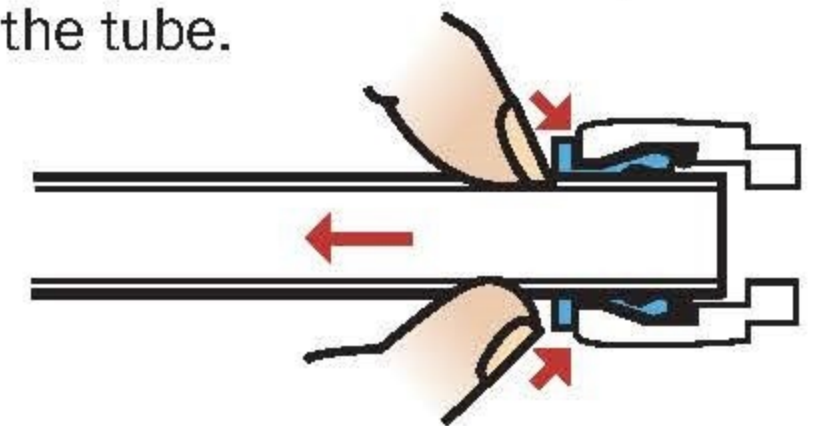
Your TFC RO Membrane 3 should last 3-6 years depending on water quality and usage. Your pure water quality can be tested with a conductivity meter measuring total dissolved solids (TDS) from the RO Membrane (pure water) outlet, this will indicate the rejection of contaminants ratio. TDS Testing is a complimentary service at our show rooms listed below.

Make sure the end of the tube is cut square and straight, ensuring it has an even, clean surface.

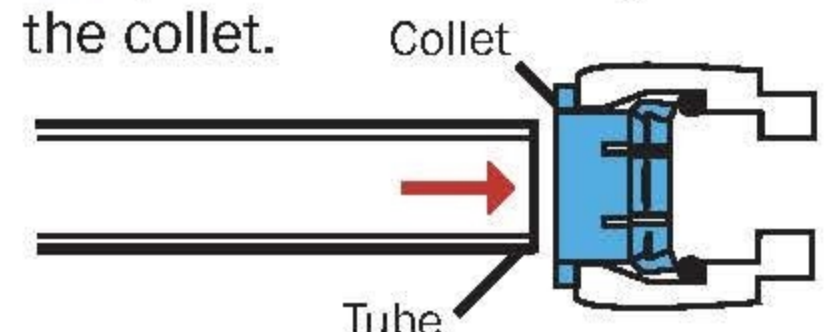


Diagram 3 - Tube Connections

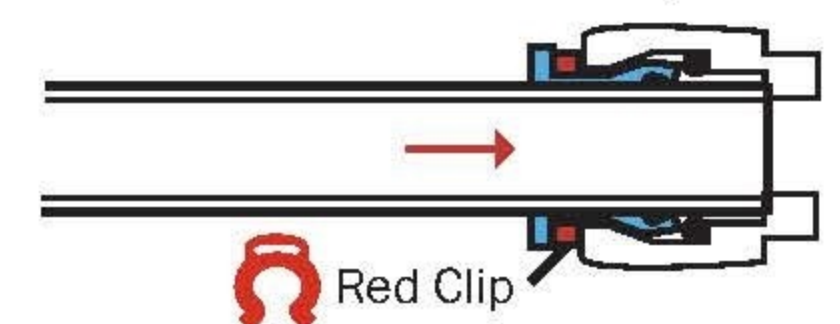
- 1 To remove the tube - First remove the red clip. Use two fingers to push onto the collet and at the same time pull out the tube.



- 2 To make the connection - push the tube firmly into the collet.



- 3 Make sure the tube is pushed as far as it can go and secure with a red clip.



Countertop Reverse Osmosis System

with AlkaHydrate Filter Cartridge

Brochure

CONVENIENT PORTABLE DESIGN

Produce Pure Water Anywhere

COMPLETE PROTECTION

Efficient Four Stage Filtration

5 YEAR WARRANTY*

Hand Built and Factory Tested

Of all methods that purify drinking water for domestic use, the process of Reverse Osmosis is the most advanced, economical and effective.

The RO4000 removes all contaminants that are of concern to the consumer - such as chlorine, dissolved solids, fluoride, bacteria, parasites, viruses, inorganic chemicals, pesticides and heavy metals. These impurities are flushed down the drain rather than collected in the filters - preventing any build up, which may be the case with standard filtration systems.

The Alkahydrate filter will provide you with enhanced water that is mineralised, energised, has low ORP, raises the pH to a desirable alkaline level, and has one of the best absorption rates possible.

EFFECTIVELY REMOVES

Barium
Cadium
Chlorine
Chromium
Copper
Cryptosporidium
Cysts
e-Coli Bacteria
Fluoride
Giardia
Heavy Metals
Hydrocarbons
Iron
Lead
Manganese
Mercury
Nitrate
Odour
PCB's
Potassium
Radium
Selenium
Sodium
Taste

The RO4000 with AlkaHydrate Filter Cartridge



Water Quality ASSOCIATION

Certified By
NSF
INTERNATIONAL

Specifications

Production @60 Psi 25°C	400 litres per day
RO System Dimensions (cm)	34(W) x 17(H) x 16.5(D)
Micron Rating	0.0005 Micron
Warranty	5 years*

*Warranty Terms & Conditions apply.

 **No mains plumbing required!**

Simply attach to your existing kitchen faucet/aerator.

R04000 Countertop Reverse Osmosis System with AlkaHydrate

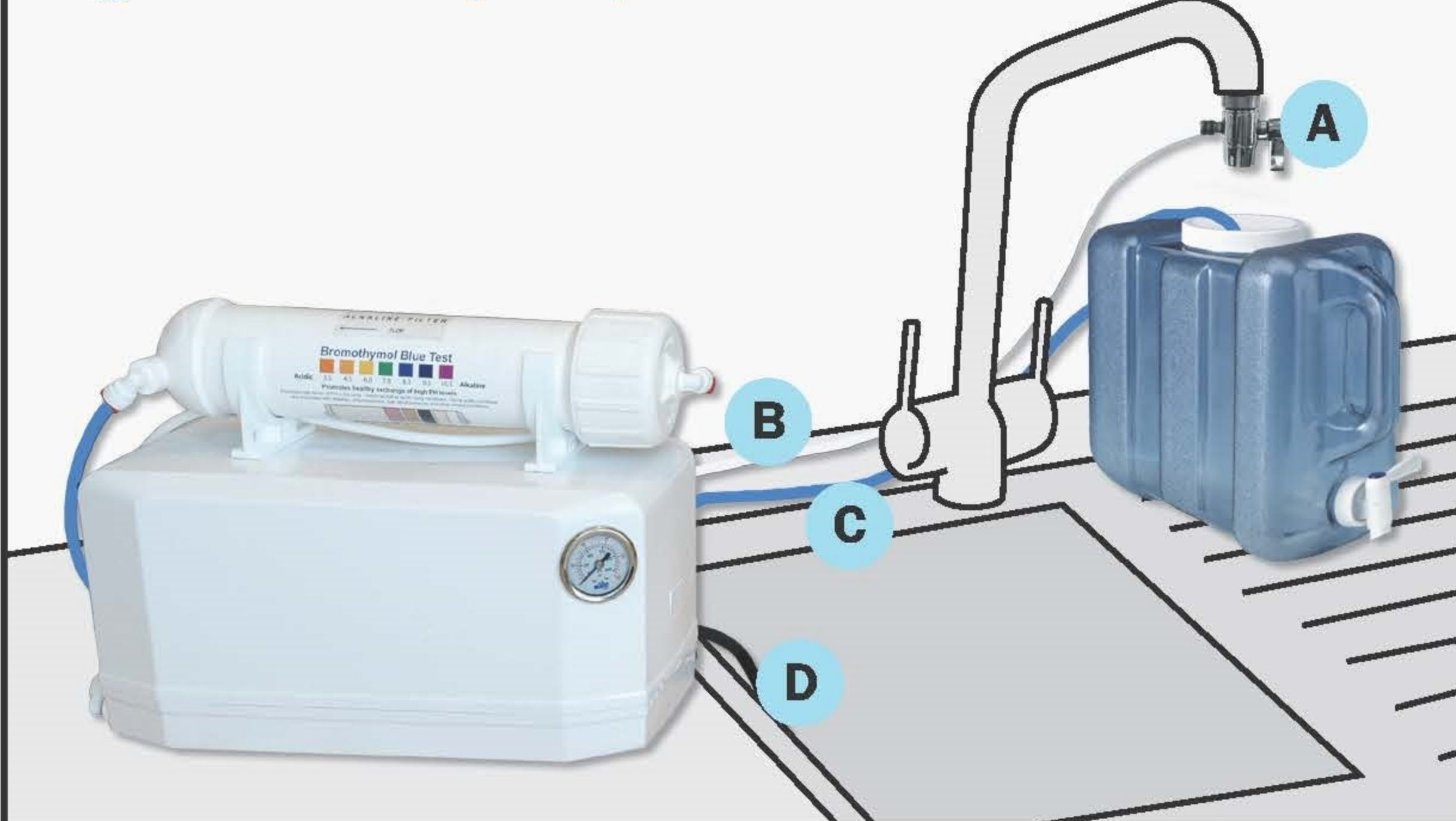
5-Stage Filtration Process

- 1 Sediment Pre-Filter**
Mechanical filtration removing fine sediment particles (5 micron).
- 2 Carbon Pre-Filter**
Remove chlorine and other organic pollutants for membrane protection.
- 3 Ultrafine TFC RO Membrane**
Screens to 0.0005 micron, filtering viruses, bacteria and parasites. Repels heavy metals. Removes Fluoride and Hydrocarbons.
- 4 Coconut Carbon Post-Filter**
Final polish results in superb tasting, pure water.
- 4 Alkahydrate Filter Cartridge**
The Alkahydrate filter effectively raises pH levels as well as producing antioxidant and oxygenating qualities.

Pure Water Storage Container

Simple Self Installation

Diagram 2 - Countertop Set Up



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- 3** Ensure you have assembled the correct fittings within the diverter (depending on the male/female thread of your kitchen faucet, **please refer to Diagram 3**). Simply connect/screw on the diverter valve to the faucet.



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About the AlkaHydrate Filter Cartridge



Raise pH

The AlkaHydrate Filter is ideal for those who are looking to reduce acidic toxic waste in the blood, tissues, and fluids of the body and thus adhere to the more alkaline state required by most human metabolic processes.



Add Ionic Organic Natural Minerals



Lower Oxidation Reduction Potential (ORP)

Any substance that oxidises essentially disintegrates. Water or a media with a negative ORP has the ability to decrease the oxidation, or prolong the life, of another substance or body. The AlkaHydrate filter significantly increases the negative ORP thus enabling it to decrease the oxidation of substances (our body in particular) therefore being a potent anti-oxidant.

A



Diverter connects the kitchen faucet to the white tube.

B



1/4" white tube connects the diverter to the filter system.

C



1/4" blue tube feeds pure water to the storage container.

D



1/4" black tube feeds waste water to the drain.

Diagram 3 - Tap Fittings

