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## GT1-26-7

# 7 STAGE XstreamMn Reverse Osmosis System with Alkalizer

## Detailed Description

This system has been a long time in the making and is *finally* ready for release.

### System Dimensions:

Height: 43cm

Depth: 21 cm

Width: 37 cm

**Note:** If height is a problem you can detached the top inline filters and place beside the system – this will reduce the total height to 39.5cm

### Tank Dimensions:

Tank Height:(with stand) 41cm

Tank Height: (without stand) 38.5 cm

Tank Width: 27 cm

Handy Tip: Regular checking of your systems' pH will help you gauge the replacement time of the

Stage 4: XstreaMn Alk cartridge. We estimate it to be between 12 & 24 months before replacement is necessary.

**NOTE:** Drain Clamp included in kit is a **40MM CLAMP**. If you require a 50MM clamp contact us directly.

As we know, Reverse Osmosis Systems remove Fluoride as well as all other minerals and impurities from our water.

HOWEVER – recent studies have show that it also leaves the water with a low pH (or acidic) – which is not ideal drinking water.

Optimal water for human consumption is called ALKALINE WATER. Alkaline Water refers to water with a pH of 7 or higher.

For years now we have been working on a way to provide Reverse Osmosis Filtration, whilst still maintaining a pH of 7 or higher, and FINALLY it gives us great pleasure to say we have done it!!!!

Allow us to introduce our

### **7 Stage XstreaMn Reverse Osmosis System *with Alkalizer***

By popular demand, this systems is a replication of our portable "GT1-70shuttle" – however, this model is a plumbed in version, that will not only remove Fluoride, it will also

**RAISE THE pH to 8.5 or higher!!**

Complete with a 12Ltr storage tank, filters, 50 GPD membrane, components and thorough instructions to get you up and running. Designed and Manufactured exclusively by Filter Systems Australia, you will not find another system on the market place with the benefits, or of the quality of the new improved XstreaMn 7 Stage Reverse Osmosis System.

### **Our thoughts on Fluoride:**

Fluoride is a hot topic in most states, but more so in QLD now that Fluoride has been added to our drinking water. Weather you agree or disagree with the inclusion of Fluoride in our drinking water, that fact is that it **IS** there.

What Reverse Osmosis Filtration does, is give you the option to take that Flouride out of your drinking water supply.

Fluoride is a toxin. Regardless of any benefits that may be achieved by having it in our water supply, it appears to be the desire of the larger population to remove it from their own personal drinking water supply.

This presents a problem, as many traditional water filtration systems fail to constantly or effectively remove fluoride. The reason for this is that Fluoride is a mineral salt. Mineral salts are microscopic and will flow directly through standard water filtration systems.

There are many forms of filtration available on the market that claim to remove fluoride, and in many cases they do in fact remove fluoride, however, it is our experience that these standard systems may in fact only remove all fluoride in the short term, (days or weeks) before expiring and not having any further ability to remove fluoride in the long term.

The only proven and true method of removing fluoride in the long term is Reverse Osmosis Filtration. This is not a new technique, and tests show that it continues to extract fluoride effectively over a long period of time.

For years we have stayed away from the health issues of water and simply focused our attention on offering the best quality, safest water at a sensible price – combined with plenty of customer support and back up.

In more recent times we've seen a turnaround in the public interest of water for health. That, combined with growing pressure from our buyers, has led to us making a stand on the subject and develop a system that will cover ALL health issues surrounding: Reverse Osmosis, Minerals in water and Alkaline stable water.

Everyone knows Reverse Osmosis water is great to drink, it removes mineral salts including Fluoride, and chemical toxins that are introduced into our water supplies.

However, there are a few down sides to RO that the inexperienced sellers either don't know or refrain from telling you about.

Regardless of the water supply, reverse osmosis will strip water back to pure 95–98 % mineral and contaminant free H<sub>2</sub>O. Our water treatment and analytical background supports the theory that RO water results in a low pH of the final drinking water.

In saying that, I maintain that RO water is the best and healthiest option for us all to drink. The very nature of an RO membrane is to remove contaminants – and it does this extremely well. Once we have this near pure water we can begin to develop it to suit our needs, and this is exactly what we have done with the "7 Stage R/O".

We have followed advice, and gained invaluable knowledge from all kinds of areas within the health industry, and this tireless research has resulted in the successful development of the **XstreaMn 7 Stage R/O with Alkalizer**, and its ability to do everything we deem to be important to obtain safe, healthy drinking water.

#### **The misconception of "Re-Mineralising" RO water:**

For years now there has been a common misconception about “re-mineralising” RO water.

It's true that RO and Distilled water will leave the water acidic and therefore aggressive to the

body. This can cause the body to leech valuable minerals out through urine.

This is where the word "valuable minerals" has crept into the selling of Reverse Osmosis filtration by sellers that are not equipped with the appropriate knowledge.

In fact, minerals are only valuable when they are **IN** our bodies, and the way they get there is through organic food intake – not inorganically. Water Filtration uses Inorganic methods, so any mention of "re-mineralizing" the water through water filtration is simply not a process that is benefiting our bodies at all. More of which will be explained later.

A study in the US (which cost manufacturers many millions of dollars) showed a massive increase in total dissolved solids (TDS) in patients' urine, when drinking water with a pH of below 7 (ie acidic water).

The two main culprits for water having a pH of lower than 7 are:

1. Reverse Osmosis
2. Water Distillers for drinking water

Other substances causing a low pH are soft drinks and alcohol.

Once minerals are extracted from water, the chemistry of water adjusts violently to become acidic. This happens because the buffers in the water that generally act to prevent this adjustment have been removed.

An interesting fact is that rain water that is near pure is also very acidic until it reaches the ground – once it reaches the ground it begins to dissolve minerals from the earth, this in turn balances the pH (the chemistry of the water).

Many very clean catchments such as roof tops and clean gutters, first flush diverters and poly tanks are extremely good at keeping water clean – however a trade off for this is that the water could and most often does remain acidic.

If you have a dirty roof or a contaminated tank, the pH will rise and no longer be aggressive (acidic) but at a price – such as through other peripheral problems like fermentation of organics etc.

Back onto the topic at hand, It's important that we make a stand and explain that there is no such thing as valuable minerals in drinking water unless they are organic, and organic materials are generally not used for correcting low pH water.

Almost all (barring a couple of exotic and expensive alternatives) pH Neutralising cartridges are made from inorganic material like rock (commonly known as mineral stones).

These inorganic materials release either calcium or magnesium into the water, however these types of minerals are **inorganic**, not organic – so it's difficult for the body to absorb them or make any use of them at all.

So in a nut shell, the words 'valuable minerals' is not relevant to post RO pH correction.

I'm a logical person – I don't deal in myths and magic. There are people selling all sorts of "living

water products", with all sorts of mythical results, but consider this:

The body needs hydration plain and simple. Now that is pure logic – not sales talk.

The best form of hydration is clean, chemical free and impurity free H<sub>2</sub>O. Exactly as nature intended.

However, a down side to producing this sort of water is that stripping the water as we do, causes the water to become acidic again (back to it's rain water condition). So what's needed at this point is a trade off...

To produce non acidic water we need to add back some mineral, this is where the misconception arises. These are **non organic** minerals >>> therefore not valuable to your bodies health, but valuable in the fact that it's achieving a **balanced pH** – which is **vital** to your health.

This said, we have now taken this one step further by developing a form of magnesium oxide that is unique in its ability to lift pH to much higher levels to support our existing peroxide producing pH stabilising system.

Put in lemans terms **we can now guarantee a pH of 8.5 – 9 pH**

This is now in line with the guidelines set by a growing number of Dr's, Naturopaths and Health Professionals worldwide – that have all advocated that this is where we needed to be to assist in gaining optimal health and to help with conditions such as cancer, and other illnesses linked to low body pH.

We have renamed our 6 & 7 Stage system to now be know as the **XstreaMn Systems**, so when ordering replacement cartridges please stress that you have the **XstreaMn System** which is unique to us and not to be confused with our earlier 6 or 7 stage RO's.

Be assured this is a new development in RO technology and we're confident it's going to be some time before any of our competitors will be able to produce an equivalent or even similar system to the XstreaMn.

The development of these systems has not come easily to us. Countless hours of tests, trials and research have gone into the design and development of this project and the results speak for themselves – **A guaranteed pH of 8.5 – 9.5**

**Stage One: Poly Spun Sediment Cartridge** – Replace every 6 months

These economical "Filter Systems Australia" sediment cartridges are constructed from polypropylene which is spun and melted simultaneously. This technique means there is no centre core to restrict filter performance.

The "Filter System Australia" series of sediment filters are compatible with most liquids and are highly effective for sediment, rust, sand, silt, and algae removal. Filter Systems Aust performance sediment filters have no chemical residuals.

They are extremely high performing, and carry a heavy load of sediment before requiring replacement. We choose to use these sediment filters over all other types due to the high

performance, high flow rate, high load capacity, and their inability to grow bacterial slime.

**Stage Two: Carbon Block Filter** – Replace every 6 months –

Many inexperienced sellers of RO systems offer a sediment filter in this position. This is a pure waste of money. These systems are primarily used on town water so after the sediment pre-filter, the most important filter should always be a Carbon Filter to protect the life of the membrane. The carbon block cartridge will remove any larger components but more importantly, will stop chemicals from reaching the membrane. This should then prolong your membrane life (the membrane is your most expensive and crucial component) for a life of 3–5 years.

**Stage Three: The Membrane** – Replace every 3/5 years

The RO membrane is the "engine room" of your R/O. All the crucial work is done here, so all the filters before the membrane are primarily there to protect the membrane.

This membrane is a 0.02 micron rating. It is classed by the manufacturer to be a U.S 50 gallon per day membrane (190 Ltrs). However, these figures are for optimum working pressure/conditions and will rarely apply in the domestic Aussie kitchens.

We predict the production of water to be more like 60–90 Ltrs/day. Although this is restricted considerably from the manufacturer's specs, it's more realistic guide based on our experience and offers more than enough water for a 5 person home for cooking and drinking.

Some sellers are stating ridiculous numbers like 300 Ltrs/day which will NEVER be achieved, and can only be viewed as another indication of inexperience in the industry.

The reduction rates for the membrane are as follows:

Inorganic Organic Rejection Aluminum 98% Adrazin Over 98% Arsenic 98% Aldrin Over 98% Benzene Over 98% Barium 95% Chlorine Over 98% Cadmium 95% Chloroform Over 98% Calcium 98% DOT Over 98% Chloride 95% Dichloromethane Over 98% Chromium VI 98% Endrin Over 98% Copper 98% Fluoranthene Over 98% Fluoride 95% Herbicides Over 98% Iron 98% Lindane Over 98% Lead 98% Methoxychlor Over 98% Magnesium 98% PCB Over 98% Manganese 98% Pesticides Over 98% Mercury II 85% Perchloroethylene Over 98% Nitrate 90% Phenole Over 98% Potassium 95% Tannic Acids Over 98% Selenium IV 95% Toxaphene Over 98% Silver 98% Trichloroethylene Over 98% Sodium 95% Trihalomethanes Over 98% Strontium 98% V.O.C.'s Over 98% Sulphate 98% Total Dissolved Solids 95% Zinc 98%

After the water passes through the membrane it travels to the 12Ltr holding tank. This is where it will stay until you draw water from your filtration faucet on your kitchen sink. When you turn on your filtration faucets that is when the water will move out of the holding tank and towards the final 4 stages of filtration.

**Stage Four: GT6–0 XtreaMn Alkalizing Filter** – Replace every 12 months depending on pH reading. If pH is holding high, no need to replace just yet.

This is the ultimate in pH adjustment, it's the only alkalizer cartridge in the world that can raise and retain a constant 8.5 pH over 12 months and we believe well beyond this time, however our

testing period only covers a 12 month period to date.

This is a special grade of Magnesium which is very sacrificial so it lends it's self to a very quick rise in pH making it suitable to post RO work. Like all sacrificial alkaliser cartridges this one will leech a small amount of magnesium into the final drinking water. The rate of magnesium introduced will vary from each situation but testing has shown on average an increase of approx 20–45 ppm. This cartridges needs to be pre-flushed to clear any fine particles so we suggest a wash time directly off the mains pressure or approx 3–5 minutes prior to use.

Any system containing these cartridges have already been pre-washed but replacements are sold dry and require pre-rinsing.

Even after rinsing it's likely the TDS may be as high as 70 – 100 ppm depending on the rinse times and methods but this will quickly decrease to the average output.

It's essential that the GT6–11 XstreaMn carbon cartridge be use after the XstreaMn GT6–0 Alk cartridge for maximum taste reduction. So you should order both cartridges at the same time if you are no currently using the XstreaMn alk system.

The life of the cartridge will be dictated by the pH result. If you see the pH of your final water dropping below a point you are satisfied with, then it's time to replace the Alk Cartridge, we feel this will be between 12 and 24 months. At this point the filtering has been completed and it is now about bringing the water back to a healthy condition for drinking.

#### **Warning – Disclaimer:**

This information should be read prior to purchasing this system. Returns will NOT be accepted for reasons of adverse reactions. It should be noted that although rare and unlikely, some people may have an adverse reaction when switching directly to high alkaline water. Symptoms may vary from feeling light headed, dizzy spells, and even muscular discomfort. If you have a current illness we suggest you consult your medical professional and seek medical advice before consuming high alkaline water. We also advise for the first couple of days to blend the alkaline water with your standard pH tap water until your body adjusts to full strength alkaline water, exceeding 8.5 pH.

#### **Stage 5: Life Energy Creamic (Far Infar Red Treatment) replace every 2 years**

This stage is truely delving into the health of the water, infar red beads are simply miraculous given that they don't even come into contact with the water.

In keeping with Ultra-Violet Light, this filter has the ability to assist in the sanitizing of the water with infar red emitting frequency balls through glass tubes.

Just a few of the effects of the Stage 5 Infra-Red Rays on the body are:

Activates the water molecules Improves oxygen levels in the body Warms and eliminates fats/ chemicals and toxins from the blood Accelerates blood flow Reduces acid levels in the body Improves Nervous system functionality Promotes the elimination of other wastes from our cells therefore reducing acidic levels Improved nervous system functionality Promotes the strengthening of the immune system Far Infra Red Rays Ionize and activate water molecules in our cells and blood therefore improve our blood circulation and overall health.

This filter is great in front of filter systems to prevent bacteria and algae slime from prematurely blocking expensive filter, particularly on tank water or any water that is not treated or sanitized. Water makes up 70% of mass of the human body. FIR is able to activate, revitalize, reactivate, develop and strengthen various organs in our bodies when it is absorbed. In the various organs of human body, the circulatory system plays an important role, especially in micro-circulatory

system.

When there are problems with micro-circulatory system, various ailments will occur.

FIR vibrating at a frequency similar to that of human body is able to penetrate the body activates cells and reactivates as well as strengthens the micro-circulatory systems. It regulates the blood flow and blood in blood vessels, which have been blocked due to blood clots and at the same time reactivate the vital energy in the body. FIR also acts to prevent bacteria growth, relieve pain and speed the recovery process.

**Stage Six: GT6-11 XtreaMn Carbon** – replace every 12 months

Extremely high grade coconut carbon cartridge for maximum extraction of taste or odour issues. We built this filter specifically for use after the XtreaMn GT6-0 Alk Cartridge, however its uses are endless, particularly where taste and odour are a problem in drinking water.

**Stage Seven: Magnetic Water Energizer** (Never needs replacing)

We are the leaders in magnetic water treatment system in Australia, exporting our Fluid Reactor magnetic systems to 8 countries around the world.

Once again we have not promoted or actively been involved in the health industry because of our commitments to our core water treatment and filtration business.

However, once again we have been encouraged to build and supply negative magnetic water treatment for human consumption and the evidence has been overwhelmingly positive. Magnetic energy is widely used in water treatment and we helped pioneer this technology in Australia.

This inevitably led us to develop and supply a technology called negative defusing technology, meaning that when put in reverse it activates negative energy into drinking water.

So many customers have benefited from this technology, reducing the symptoms of kidney stone and calcification of the arteries along with so many other advantages in drinking negatively charged water. It makes sense to add the Fluid Reactor magnetic system as the final stage of our 7 stage RO system.

One customer recently commented that she had server intolerance to drinking water until she started drinking water from our proto type system which included the magnetic system as the final stage.

She has recently ordered another system for her daughter.

As stated above – we estimate the pH to hold above 8 pH for between 12 and 24 months. All Other cartridge replacement times are stated above, but the Stage 4: XtreaMn Alk Cartridge should be monitored by means of PH Test Strips, to determine when replacement is necessary.

