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Jantzen
Ultra Filtration System

The Most Advanced Water Purification System

US NANO TECHNOLOGY UF 5030A

Introducing the **JANTZEN** Ultra Filtration System...

the latest technology in water purification for the whole house



JANTZEN helps you to flush away dirt and pesticides while preventing potentially harmful waterborne contaminants from reaching the foods you clean.



JANTZEN provides perfect water for even the newest members of the family.

Bottled water taste from every tap. Reduces unpleasant tastes and odours. Natural salts and essential minerals remain in the water you drink



JANTZEN is friendly to the environment because no chemicals are added to ultrafilter your water & only a minimal amount of water is used.



Ultrafiltered water on demand for all household needs. Negligible impact on water pressure reduces dry skin and allergic reactions due to chlorinated water.



Showering with JANTZEN water is a delightful experience. The patented filtration process removes algae and other waterborne contaminants, resulting in a cleaner shower and bath environment. JANTZEN is also friendly to your plumbing system as it will not produce water that can corrode your pipes.



Delivering safer, cleaner & purer water to **EVERY TAP...**



Is your Household Water Perfect yet?

Clean water is one of the great challenges of civilisation in the 21st century. Technologies continuously advance and Ultra Filtration is the latest state-of-the-art technology in purifying water for all-purpose use.

Based in Malaysia, JANTZEN is currently a household brand in water filtration technology, with more than 10 years' experience in processing Reverse Osmosis drinking water. With an extensive network of suppliers and qualified engineers doing research and development in the water filtration business, JANTZEN has now produced an 'ultra filtration system' that is simple, convenient and very effective for residential use.





Look what **JANTZEN Ultra Filtration System** can do for your family...



Safety

JANTZEN UF SYSTEM, arrests impurities as small as 0.15 microns* in size (less than one millionth of an inch), such as...

Bacteria	99.9999%
Giardia	99.99%
Cryptosporidium	99.99%
Viruses	99.95%



Convenience

With JANTZEN UF System, you can get your drinking water from any source in your home.

No more shopping for bottled water.

JANTZEN UF System's Timer Periodic assures fully automatic operation with no replacement of filter elements for up to 5 years.



Peace of Mind

JANTZEN UF System is friendly to the environment because it does not add any chemicals to filter your water and will not create any nasty by-products.

JANTZEN UF System is friendly to your plumbing system as it will not produce water that can corrode your pipes.

It is also friendly to water using appliances, helping them operate more efficiently and extending their useful life.





What is the 'Purity Checker™' challenge?

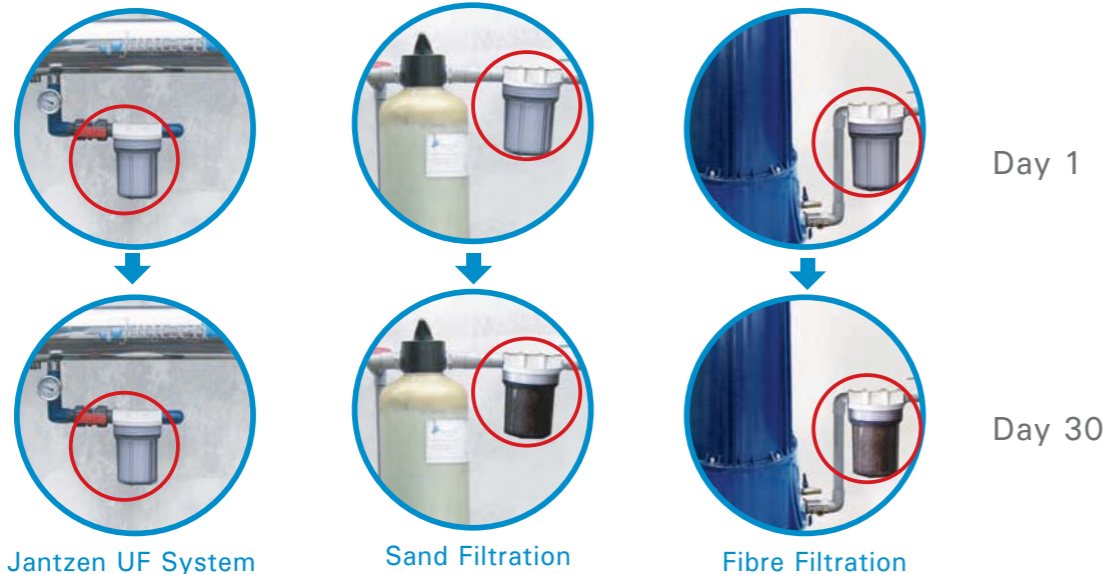
Do you have a nagging feeling that your filtration system is not performing to your expectations and that you do not have a **visual test**?

How **sure** are you that 'filtered water' is clean after you have installed your filtration system?

Jantzen UF System has a **'Purity Checker™'** to visually ensure that our filtered water remains clean. We will refund your purchase if your 'purity checker' turns brown within 2 years of the installation date.

*We have not found any 'Brands' in the market willing to visually prove that their 'filtered water' is clean. The reason is simple; they are using out-dated technology.

Result on 'Purity Checker™' after 30 day usage

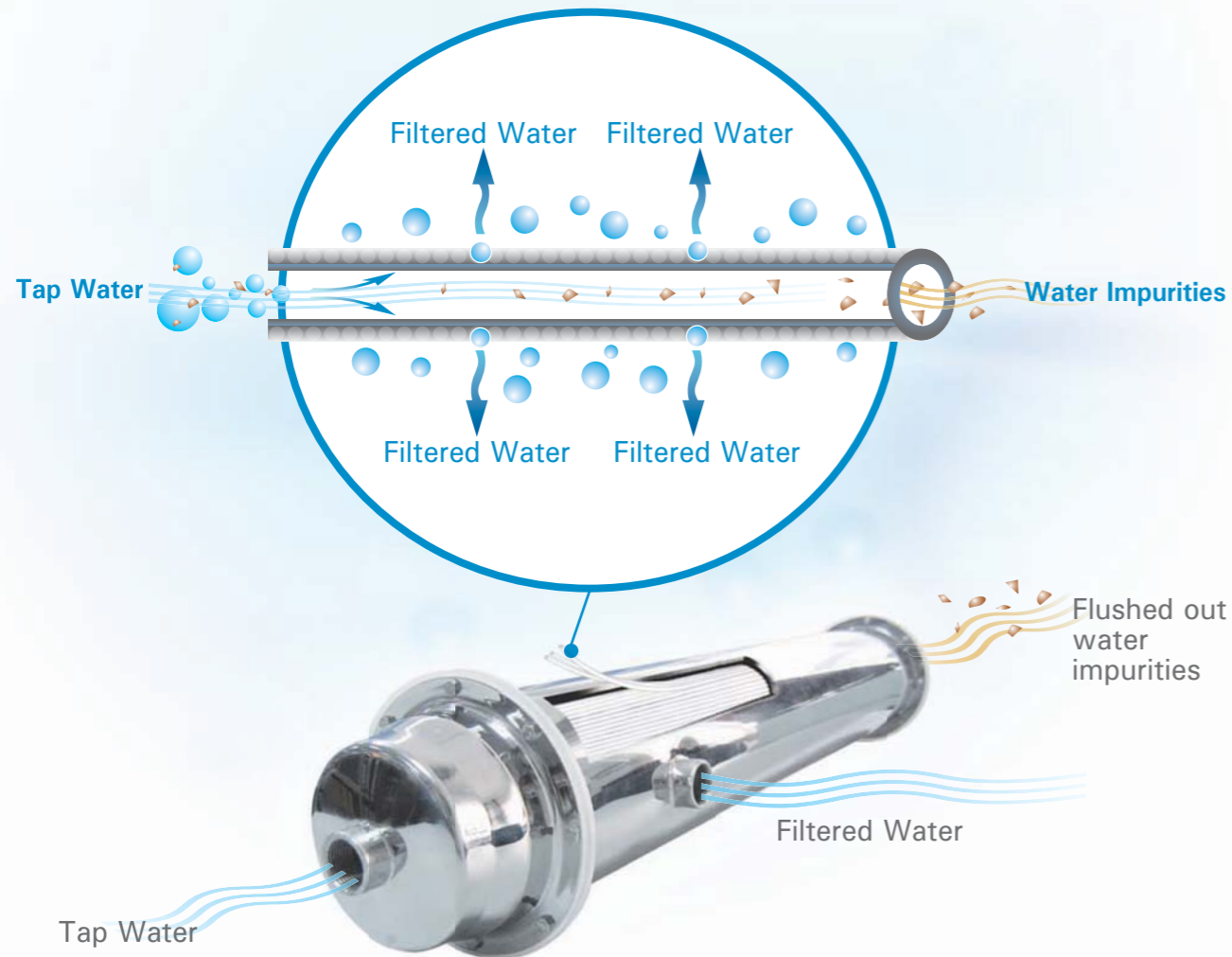


Comparison of Jantzen UF System with Sand & Fibre Filtration

	Jantzen UF System	Sand Filtration	Fibre Filtration
Rust, mud, silt & other particles removal ability	0.01 microns	20-50 microns	10-20 microns
Bacteria & Virus removal	Yes	No	No
Suspended solids removal efficiency	>99%	60% - 80%	60% - 80%
Media Replacement Frequency	5 years	1-2 years	1 year
Flushing / Backwash	Automatic	Complicated	Complicated



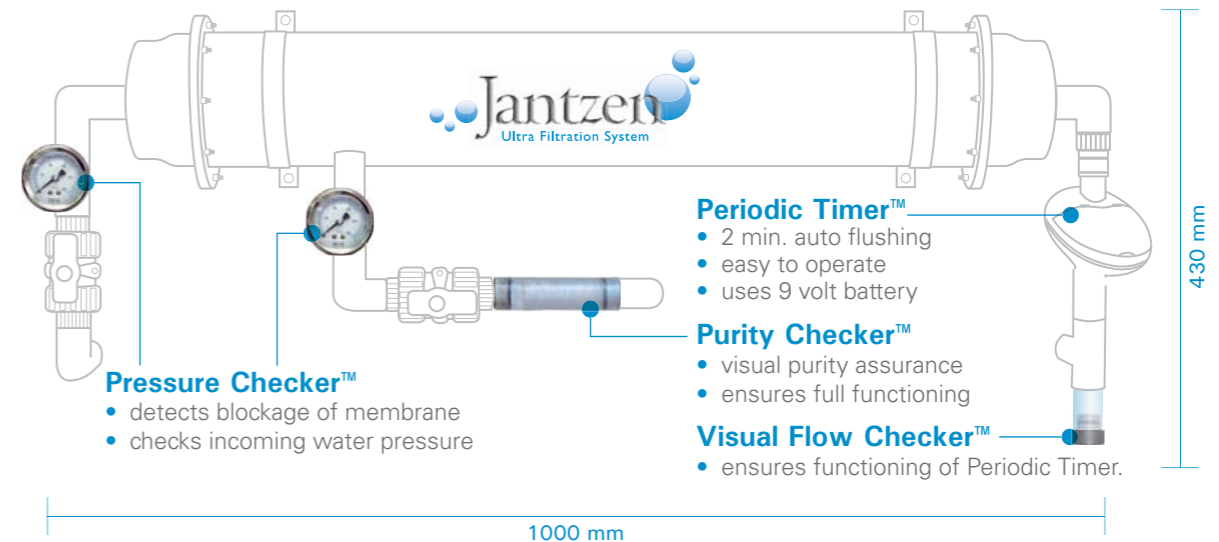
How Jantzen UF System WORKS



The JANTZEN Ultra Filtration System uses thousands of Ultra Filtration hollow fibre membrane strands. Each membrane strand consists of billions of microscopic pores. Household water pressure pushes water molecules through these pores towards the hollow centre of the membrane while blocking out larger contaminants such as dirt, bacteria, parasites and viruses. Filtered water then flows through each hollow fibre and is distributed to every household appliance.

Unwanted particles and micro-organisms are then flushed out of the system during the automatic cleaning cycle.

The system consistently provides clean, filtered water for all of your cleaning, cooking, washing and drinking needs while automatically flushing unwanted contaminants and particles down the drain.





What is a HOLLOW-FIBRE MEMBRANE ?



JANTZEN Ultra Filtration System operates from the inside to the outside during filtration. This means that municipal water flows through the centre of the hollow membrane and **'filters'** water through the membrane wall to the outside of the membrane fibre.

Molecule Size Comparison

(micron unit) Micrometer	Raw Water	Common Items	Filtration Ability
100		Coal, Dirt, Particles, Sand	Jantzen Ultra Filtration System effectively blocks and removes particles larger than 0.02 microns from your water supply.
10		Mist, Pollen, Hair	
1.0		Yeast, Blood, Cells, Flour, Bacteria	
0.1		Vibrio Cholerae, E.Coli	
0.01		Dust, Virus (0.02-0.4 microns)	
0.001		Dissolved Salts Essential Minerals	
	Quality Filtered Water		Dissolved salts and essential minerals freely pass through.



FAQ

1 What does the Jantzen Ultra Filtration System do?

The **Jantzen Ultra Filtration System** has been specifically designed to physically block and remove contaminants, bacteria, viruses and parasites up to 0.02 microns. The **Jantzen Ultra Filtration System** also eliminates cloudiness from your drinking water while allowing healthy natural minerals to pass through. The system effectively filters all municipal water at the point-of-entry purifying your water before it flows through the rest of your home, essentially providing pure water to the whole house with this new technology.

2 Where is the Jantzen Ultra Filtration System installed ?

The **Jantzen Ultra Filtration System** should be installed at least 3 feet away from the water meter so that every tap in the house will provide pure water.

3 How do I start my Jantzen Ultra Filtration System?

Once the **Jantzen Ultra Filtration System** is installed, the system starts working. There is no start or stop switch. If your main water valve is open, the system is working. It makes no noise and you will see no moving parts while it is filtering water.

4 Does the system require 240 volt electricity?

No. The system works using your existing water pressure and no electricity is required to filter your water. You will have filtered water from every tap even during a power failure. A 9-volt square battery that can last up to 1 year is required to run the timer in the auto flushing controller unit.

5 What happens if the 9-volt battery goes out?

There will not be auto flushing in the system and the **hollow membrane** will eventually be blocked. The outlet pressure gauge will have a lower reading. You should replace the 9-volt battery every 12 months for prevention purposes. We suggest that you write the replacement date on the 9-volt battery.

6 How often do I replace the UF membrane cartridge?

The **Jantzen Ultra Filtration System** should have a life expectancy of 5 years. However, there are a lot of variables that can affect this. Turbidity, particle size, pressure and volume of water used can determine membrane cartridge life.

7 Does the Jantzen Ultra Filtration System affect water pressure?

Yes, there will be a slight reduction in pressure (0.025 bar) but that is good since that indicates that the filter is removing particulates/contaminants.

8 How long does the automatic flushing cycle take?

The system auto flushes itself daily to clean the membranes. We suggest that the timer be set for a 2-minute duration.

9 What happens if I'm out of town for an extended length of time?

Nothing. Do not unplug the auto flushing controller. The **Jantzen Ultra Filtration System** will automatically clean the filter while you are away.

10 What type of maintenance is required on the Jantzen Ultra Filtration System?

The unit should be sanitised at least every 6-12 months with our **Power Wash** solution. The indication is seen on the outlet pressure gauge where you can notice the pressure dropping to a certain limit. The **Power Wash** solution is specially developed by **Jantzen** over the years in treating their RO system. It is gentle in prolonging the lifespan of the membrane yet energetically strong in removing all impurities from the system. The sanitation is done with special equipment by a certified personnel. It will take about 1 hour to complete this task.

11 Does the Jantzen Ultra Filtration System require pre-filtration?

The **Jantzen Ultra Filtration System** does not require a pre-filter to get good pure water. But if the incoming water in your area is frequently muddy then it is advisable to have a pre-filter installed to prolong the life span of the membrane.

12 I already have a point of use (POU) water filter at the kitchen sink. Why do I need a Jantzen Ultra Filtration System?

Our **Jantzen Ultra Filtration System** filters water at the point-of-entry, thus ensuring clean water for your entire house, while POU filters only provide clean water to the kitchen. We believe you need clean water not only for your drinking requirements but also for your daily showers, laundry, pets and a whole host of other household chores.

Many housewives are afraid to buy white clothing for their families because they usually turn off-white after a few washings. With our **Jantzen Ultra Filtration System**, you can be assured that your whites will remain white after many washes. You will also be able to enjoy clean fresh water while soaking in the bathtub.

13 I have been using the tap water without filter for so many years. I seem to be healthy. Why should I install your Jantzen Ultra Filtration System?

With the rapid industrialisation in Malaysia over the last 20 years, there are a lot of chemical contaminants which are either released or dumped into our rivers. Our daily newspapers frequently highlight these issues. It is not getting any better. The source of municipal water is from the rivers. Times have changed and we should adapt to the environmental changes.

We should protect ourselves by installing point-of-entry (POE) filtration system to prevent any of these contaminants entering our bodies.

The presence of excessive water contaminants can pose serious health threats to you and your family in the long-term. For instance, copper, cadmium and mercury can lead to kidney damage while lead may retard physical and/or mental development in children.

We must understand that chemical contaminants can enter our body while we are showering with contaminated water. Have you ever felt your body being itchy even after a good shower?

14 Why should I invest RM3,680 for a Jantzen Ultra Filtration System?

We advise our clients to go for value, rather than for a product's absolute price. For instance, a product that costs twice as much but lasts four times longer is certainly of better value, even though it costs more at first.

We believe **Jantzen Ultra Filtration System** offers the best value.

There is no product in the market that offer clean pure water filtration at close to 0.01 microns.

15 Why should I do business with Jantzen?

Reason 1: Jantzen has been in the drinking water business since 1996. We uphold the virtues of integrity, honesty, efficiency and professionalism. We never compromise on these four fundamental virtues. Having 6000 corporate accounts in the 19-ltr bottled water sector speaks for itself. We also have 12,000 retailers buying our cup water to serve their customers.

Reason 2: Jantzen is a specialist RO drinking water treatment company. We have made many mistakes over the years in maintaining our RO membranes. With all the experience behind us, we are determined to be the best partner in maintaining your filtration system. We have the techniques to prolong the life span of your **Jantzen Ultra Filtration System**.

Reason 3: Jantzen has permanent factory premises with a 15,600 sq.ft. built up area. We are a reputable long-term player in the domestic water treatment industry.

Reason 4: Jantzen has a network of suppliers, both local & foreign, to assist us in distributing only good quality and value-for-money water treatment products.

Reason 5: You can count on us for after-sales service support. We do not provide lip service in this area unlike most suppliers in the market; we just do it. What is the use of buying a 'cheap' product only to find out later that the supplier does not have the infrastructure to maintain your system?

We have a customised software to provide timely preventive maintenance. It logs in all records about service calls, maintenance service periods, replacements and urgent repair incidents.

Jantzen has 6500 units of hot and cold water dispensers in offices all over the Klang Valley which need to be serviced quarterly. If we are not serious about focusing on after-sales service support, our growth would not be so continuous and explosive.

Reason 6: Jantzen selects the best products to distribute. As a result, we are able to offer a 2-year warranty on your **Jantzen Ultra Filtration System**. We are so confident of the product that we offer a no-obligation, 14-day free trial to test the effectiveness of the filtration system.

Reason 7: Our installation works are carried out by skilled technicians under our employment (as compared to sub-contractors).

Reason 8: Jantzen has never failed to fulfil its delivery and installation commitments. Most of the time, our installers are at the job site no later than 10 minutes from the agreed installation time.

Reason 9: Since inception, **Jantzen** has not imposed any extra charges for additional piping/installation works except for those already agreed upon with our client at the time of purchase.

Reason 10: We adopt a standard pricing for all our customers. **Jantzen** is very transparent and consistent in its pricing policy. We have a membership programme where you can get a 10% rebate (discount) every time you refer a paying customer to us.

16 We have not heard about Jantzen before. Why is that?

Most of our new customers are referred by our satisfied customers. We have not spent any money on advertisements in newspapers or billboards to get new customers. We believe in giving value to our customers rather than on wasting resources by advertising to get new customers. Word of mouth recommendations speak volumes about our after sales services to our customers. Would you recommend a lousy supplier to your friends?

17 How many types of point-of-entry filters are there?

There are basically 3 types of point-of-entry (POE) filtration systems. The older type is the multi media sand filtration and this technology has been in the market for over 50 years. The second type is uses a filter media which is a high-density fibre of around 10 microns. The third and newer technology uses a hollow fibre membrane made from a polymer composite that has billions of tightly controlled microscopic pores that are 0.01 microns nominal in size. During the past decade, municipalities and industries throughout the world have been adopting ultrafiltration (UF) membrane technology to safeguard public health, protect the environment and create sustainable water supplies. And **Jantzen Ultra Filtration System** is using this technology.

18 What is multi media sand filters?

Some of the popular brands in the market are Rocket filter, Bacfree, Waterco, Aquionics, Hydro-Guard, Delcol and many others.

Multi media sand filters basically use a layer of sand to trap dirt. It is a sieving action for removal of suspended matter, where anything larger than the spaces between grains of sand is trapped. Sand removes suspended particles to a smaller size than the spaces between granules. Grains of sand are typically in the 300-1,000 micron size with spaces between them of 25-300 microns. (For comparison purposes, the diameter of human hair is about 40-90 microns.)Hence the purity of the filtered water from this device has any particles that are up to 25 micron in size.

Very often the quality of incoming municipal water is not consistent. Most times it is clean but oftentimes it is cloudy. This is the reason why the water filtered from this device is still occasionally cloudy. It cannot thoroughly filter out the present load of suspended matters below 25 microns. This technology has worked for us in the old days where the rivers were not so polluted. We need a change to a newer technology. We dare say this method is out dated.

19 But why are there still so many suppliers selling sand filters in the market?

As the saying goes 'old habits die hard'. The suppliers are not willing to change to the newer technology because they need to revamp their company structure to provide an after sales service maintenance programme. They do not have the expertise to handle this new product. Also it is cheaper and easier to sell the older product. They all have a trading mentality.

20 What is Hollow Fibre Ultrafiltration (UF) membrane?

Hollow fibre (HF) UF membrane technology provides an effective way to purify water by using physical barrier filtration to remove pathogens from water. Ultrafiltration purification requires no chemicals; it is efficient and does not remove all natural minerals such as calcium and magnesium. Every day, more than a billion gallons of water are being filtered through Hollow Fibre UF membranes throughout the world.

The Hollow Fibre UF membranes resemble long strands of spaghetti that are hollow on the inside. The membrane wall is made from a polymer composite that has billions of tightly controlled microscopic pores that are 0.01 microns nominal in size. Water naturally flows through the pores from the inside-out through the membrane wall under very low pressure. The pores physically block particles, turbidity and pathogens such as bacteria, viruses and cysts.

The Hollow Fibre UF membranes provide water filtration using physical size exclusion, resulting in a consistent supply of high quality treated water regardless of the inlet quality. The membrane both filters and disinfects the water in one step.

21 How long has Hollow Fibre Ultrafiltration (UF) membrane been in the market?

For the past 12 years, developed countries throughout the world, have been using hollow fibre membrane to treat their industrial waste which has very high levels of contamination. Later, it moved on to treat municipal water and has been accepted and adopted as the new industry standard for water treatment technology which is effective and acceptably low in cost. The same industrial membrane technology has been packaged into a compact, self-contained system and is now available for residential and small commercial applications to provide purified water to every tap in the home or business.

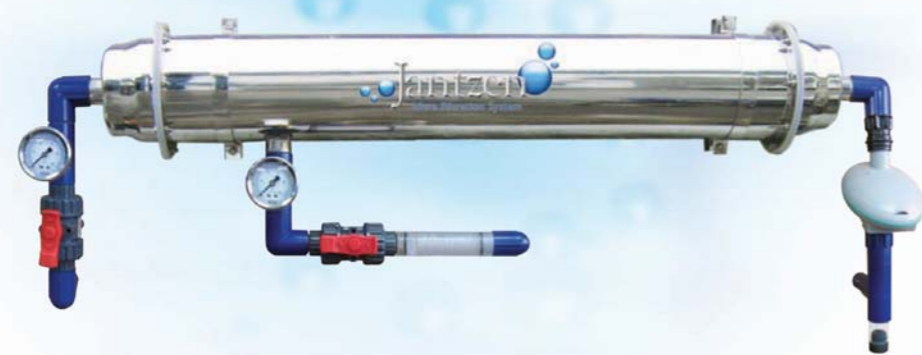
In late 2004, a few suppliers brought this product into the Malaysian household market. It was rather expensive then and the adoption rate was insignificant. The early adopters were disheartened by the frequent blockage of the membrane. These suppliers were traders and were not in the water treatment business. They did not have a clue as how to make the system work. Most of them closed shop and gave a bad reputation to the product.

However, we believe that this is the best product for a whole house filtration system. Jantzen spent 1½ years testing out the product in our RO treatment plant and we have worked out all the problems associated with blockages. To Jantzen, it is as easy as maintaining our RO membrane system.



What can **JANTZEN** Ultra Filtration System do for your family?

- Filters out impurities from your water as miniscule as 0.02 microns (less than one millionth of an inch)
- Protects your entire home from troubling waterborne contaminants such as cysts, bacteria and turbidity
- Allows every water-using appliance in your home to perform better and last longer





9 REASONS

Why Jantzen is your Ideal Supplier



Latest Technology in the market today for (POE) whole house water filtration

Our Hollow Fibre Membrane Filtration System has a cross-flow pore size of 0.01 microns, compared to Sand Filter and Fibre Filter which is >10 micron pore size.

You can have the cleanest water possible for the whole house from our JANTZEN Ultra Filtration System.



Premium Quality After-Sales Service - same day response guarantee pledge

Call before 1.00pm and we will install Jantzen UF System the same day or we pay you RM 250.00 with our apologies (conditions apply) as proven by Jantzen 19-ltr Bottled Water business (6,000 accounts).



Our Friendly Customer Service Girls will call you regularly to check on your filtration system

We have a proven system in place to attend to our after-sales quality assurance.



Membership Referral Programme Opportunity

Entitles you to a referral rebate of 10% for every purchase by a friend.



Good Value Package

Life Expectancy of our Hollow Fibre membrane is 5 years.
RM 2880.00 / 60 months = RM 48.00 per month.
Extremely Good Value for your money. **Free** Installation at your convenience.



Quality Product & High Quality Installation Work

2 Years Guarantee Period on Hollow Fibre Membrane leakage. (FREE parts & labour)
You decide where you want to install the Jantzen UF System.



0% Interest Credit Card Easy Payment

RM 2880.00 / 12 months = RM 240.00 per month. Comfortably affordable.



We are the Technical Expertis on Water Filtration

Our Company has been processing RO Drinking water for more than 10 years.
We have 6,000 corporate accounts in the 19-ltr Bottled Water sector & 12,000 retail accounts in Cup Water (attached straw) sector.



Trade-In Promotion

Give us your old sand filter or fibre filter and we will rebate RM300.00 to your account.
(Terms & conditions apply)



Testimonial from an End User

For 5 years, I used the sand filtration system to get clean water, but I was not happy with the water quality. I had a nagging feeling that the water was not clean even after being filtered because my white clothes turned yellowish after a wash and when I washed my face, there was a pulling effect that made my skin feel dry. What is the point of using expensive make-up and cosmetics when I have no choice but to wash my face with “contaminated” water?

Then my friend introduced the Jantzen Ultra Filtration System to me. I was very surprised by the freshness of the water after it had gone through the filtration system. Now every time I wash my face, it feels so clean. When I brush my teeth in the morning, the water tastes fresh, without the chlorine taste. I feel that the water is safe enough to allow my 3 year old daughter a longer play time during his bath and I myself spend more time in the shower to enjoy the invigorating water bubbles splashing onto my face. Best of all, my soup tastes better.

I’m happy that at last there is a company that’s invented such an innovative product that solves our “precious water” issue. The price is reasonable and it is value for money.



Dr. Wong, Medical officer
Klang Valley Hospital



Testimonial from a Managing Director



Mr. Wong

I really like the “purity checker” concept. Jantzen is the first company that I know of that dares to make this challenge. No other brands in the market mention this.

They are passionate about their preventive maintenance programme. I understand that they use a customised software programme to log all the details of their service calls and to schedule the next service call.

What I also like about Jantzen is their corporate mindset. They are not just about selling the filtration system and then forgetting about the customer. I know this because they regularly ensure that my system is in proper working order.

Our SIRIM CERTIFICATION

TEST REPORT

REPORT NO. : 2007KL0454 PAGE : 4 OF 4

This report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for advertising purposes by any means or forms without written approval from Executive Director, SIRIM QAS International Sdn. Bhd.

Test Results

Product : Water Filtration System

No.	Type of Tests	Methods Used	Requirement under Malaysian Food Act 1983 for Drinking Water (maximum allowed)	Test Results
1.	Total coliform count per 100 ml (MPN) ⁽¹⁾⁽²⁾	Multiple Tube Method	10	Nil
2.	<i>Escherichia coli</i> count per 100 ml (MPN) ⁽²⁾	Multiple Tube Method	Nil	Nil

Comment²⁾: The sample tested complied with the requirements of Malaysian Food Act 1983 for drinking water as per tested parameters.

Note :
 - no limit given
 (1) MPN : Most Probable number
 (2) These are not SAMM accredited

KUZIAH AHMAD, AMIC
 Senior Technical Executive
 Chemical Testing Section
 SIRIM QAS International Sdn. Bhd.

Test Results indicate bacteria can be removed using Jantzen Ultra Filtration System.

Other Products



230ml Cup Water with Straw Attached

Hot & Cold Pipe-in Dispenser

Full Height Hot & Cold Dispenser

19-ltr RO Water Bottle

We have.....



WARRANTY
After-Sales Service



12 month INSTALLMENT
Credit cardholders of 3 leading banks including **Maybank, Public Bank & UOB** can now purchase JANTZEN UF System at **0%** interest installment for 12 months.



SERVICE HOTLINE 603-8076 2127

Certified by ISO 9001:2000 REG. NO. AR 3753



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