



<u>Manufacturer</u> Omnipure/Southeastern Filtration
<u>Model Number</u> AquaPrime
<u>Product description</u> Water filter for item ATR-SS-011
<u>Origin</u> USA

Specifications	
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Function	
Form	Single Housing Cartridge System with Scalestick System Dimension: 4½" (W)x 21" (H)x 4½ (D)
Construction	<p>AquaPrime™ TOS Series water filters provide the same level of Chlorine Taste & Odor removal by utilizing the same carbon block filters as in the TO Series. In addition to the carbon block filter, the TOS Series incorporates the HydroBlend™ / ScaleStick™ insert providing scale prevention and corrosion control for foodservice equipment.</p> <p>The HydroBlend™ / ScaleStick™ product line has proven itself in the foodservice industry as a highly effective anti-scalent and corrosion inhibitor. Unlike standard anti-scalents, HydroBlend™ / ScaleStick™ products work in high temperature applications. This makes the AquaPrime™ TOS Series cartridges the correct choice for high temperature coffee and espresso equipment.</p> <p>The superior scale control properties of the HydroBlend™ / ScaleStick™ product in high hardness environments also make the TOS Series a logical choice for ice machine equipment.</p>
Engineering/ MEP ratings	Service flow rate: 2.00 gpm Working pressure: 20 psi (min) / 125 psi (max)
Capacity	14,000 gal. (52000 litre)
Sanitation	Quick change seal cartridge NSF/ANSI Standard 42
Accessories	Extra spare cartridge
Safety	-
Special requirement	<ol style="list-style-type: none"> 1. Water supply with isolation valve is required 2. Extra clearance is required for removing the cartridge when needed.

ABXOLUT AX5-TS

QUICK CHANGE WATER FILTER

MECHANICAL/CHEMICAL REPLACEMENT CARTRIDGE

Sediment, Rust, Dirt Particles reduction

Chlorine, Taste/Odour reduction

Scale and Cloudiness reduction



Specification

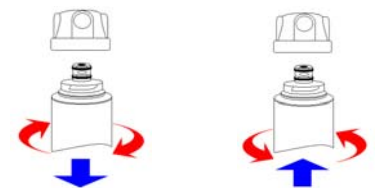
Flow Rate: 7.5 L/min
Capacity: 25,000 litres
Micron Rate: 5
Max. Temperature: 38°C
Min. Pressure: 172 kPa
Max. Pressure: 860 kPa (non-shock)

Dimension

80 mm (dia) x 300 mm (H)

Filter Replacement Instructions

1. Shut off the water supply
2. Release the water pressure
3. Grasp existing filter and remove by rotating left until it stops and pull down releasing it from the filter head
4. Align replacement filter guide channels with the corresponding posts of the filter head
5. Insert the filter upward until it fully seats into the head, then rotate right until it stops
6. Flashes the system for 5 minutes before use



Turn anti-clockwise
and pull downward

Push up and
turn clockwise
until stop

BOEMA

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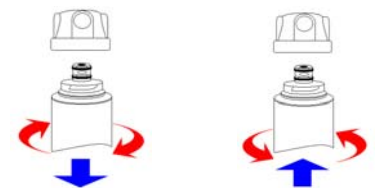
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ABXOLUT AX5-TW TWIN UNDESINK QUICK CHANGE SYSTEM



Twin Housing Design

- Removes offensive chlorine
- Removes offensive taste and odour
- Reduces cloudiness
- Removes dirt and any other particles
- Reduce pesticide
- Reduce Cyst

The twin undersink water filtration system has long been the most popular choice for residential, renters and caravan drinking systems. It is economical and effective in providing fresh drinking water. However, Xsential AX5-TW twin quick-change system takes the concept even further by making the cartridge easier to service or replace. It not only produces clean water for many years to come, you will not need to call any water filter service companies to look after your water filter system. Other design and single cartridge system is also available.

Features;

- Reduces running cost because no service technician is required
- Compact in design
- No sanitization required because old filter housings are being replaced every time the cartridge is being replaced
- No tools are required - this means no mess and anyone can replace the cartridge
- No damage to o-ring (minimise water leakage)
- No monthly rental fees



ACCESSORIES (COMPLETE)

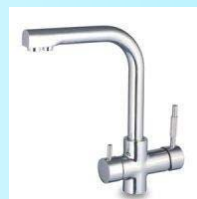
- AX5-TW twin quick-change system
- Pressure limiting valve
- Plumbing fitting
- 2 meter of poly tube
- Stylish ceramic faucet
- Installation instructions



Standard



Deluxe



All in one

TO REPLACE CARTRIDGE



Turn & pull



Push up & turn

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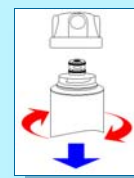


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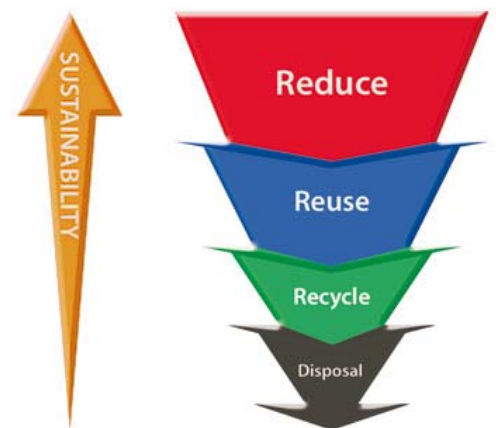
Big Blue Refillable Cartridges

Ever feel like your big blue cartridge is getting blocked quickly? Early filter cartridge blockage costs money, not to mention environmental waste.

Our new design 10" and 20" big blue refillable cartridges are the replacement filter cartridges to have as they prevent early blockage cause by sediment. It has more surface area than conventional refillable cartridges and it increases the flow rate of water by about 3 times.

It is designed with the environment in mind. It allows the cartridge to be reused over and over again. This translates to saving money. It also reduces plastic waste because the cartridge is being reused over and over again. Once the cartridge is spent you simply open the bottom cap and remove the media, refill with new media and away you go.

This water filter contributes to reducing the carbon foot print.



Features

- Replace the sediment pre-filter to prevent early cartridge blockage.
- Reusable main body to reduce plastic waste.
- Refill your own media (softener resin, carbon, polyphosphate, etc).
- Higher flow rate than traditional refillable cartridges.
- Work on 10" and 20" big blue housings.
- Save the environment by reducing filter cartridge waste.
- Made from food grade recyclable plastic.
- Save money.



20" Big Blue



10" Big Blue



Replaceable sediment cartridge to prevent premature blockage



Open to fill/ refill media



The UltraPure brand of ultra filtration hollow fiber membranes is the first specially designed water filter that utilizes membrane technology to remove bacteria and viruses (depending on request and model) at both residential and light commercial sites. As the key source of life, water is exposed to countless types of impurities such as bacteria and viruses (depending on request and model) . Standard filtration is not enough to remove these types of water borne pathogens.

UltraPure offers advanced dual barrier, ultra filtration membrane technology designed to meet these challenges in a point of use design for residential and light commercial drinking water applications. The compact hollow fiber membrane technology from UltraPure is an affordable solution to a healthier, better tasting and safer drinking water.



BIG BLUE ULTRAPURE FIBER CARTRIDGE APPLICATION

1) Incorporates Hollow Fiber membrane technology prior to the RO membrane for bacteria reduction and additional protection from silt, talc and colloidal fouling.

- Protects membrane from silt, colloidal and bacteria
- Extends the life of the membrane in high sediment areas
- Works on lower water pressure
- Great for well water application or boil water alert areas
- Installed prior to the RO membrane



2) High Capacity Filtration System with flush cycle - For well water applications using an RO storage tank, shut off and flow restrictor. Designed for flush and membrane cleaning to extend the life and improve efficiency.

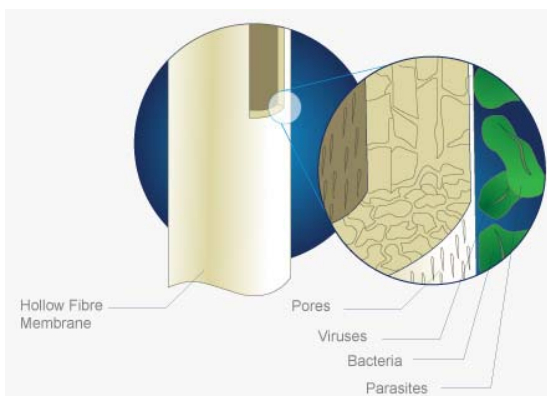
- Stores water in tank for faster faucet delivery
- Membrane rinsed and cleaned when water is delivered through the faucet

3) Direct Flow Filtration System - For city water applications using basic filtration that includes added protection from cyst, spores and bacteria.

- Delivers water direct from the inlet water supply through the faucet
- Reduced system size for more under the counter space

4) UltraPure ultra Filtration Hollow Fiber Membranes Performance

- UltraPure membranes are best for bacteria reduction (depending on the model) – Compared to Reverse Osmosis (RO) rated at 2 log (99%) and Ultra Violet (UV) Sterilization rated at 3 log (99.9%) bacteria reduction
- UltraPure membranes work on low pressure applications
- UltraPure needs no electricity like UV systems





ULTRA FILTRATION HOLLOW FIBER SPECIFICATION

Ultra filtration is a low-pressure membrane process, capable of removing colloidal materials, fine suspensions, bacteria, viruses, suspended solids and large molecular weight organic materials depending on the Molecular Weight cut off of the membrane.

- Easy to connect/disconnect fitting with double o-rings
- Stainless steel pin for easy system installation/removal
- Easy disconnect plug for back wash

Note: UltraPure is not suitable for use in high Silica water.

Original Flux	0.6 M3/h
Designated membrane flow rate	40~150 L/M2/h
Turbidity of produced water (when feed water <70 NTU)	<3
Pollution index of produced water (SDI) when feed water <25NTU	<3
Maximum continuous allowable chlorine contaminate	70 mg/l
Maximum temporarily allowable chlorine contaminate	200 mg/l
Membrane dimension	ϕ112 X 526 mm
Configuration mode	Inside-out
Membrane material	PAN
Membrane structural feature	Double layer hydraulic
Seal glue material	Food grade epoxy
Molecular weight cut off (MWCO)	50000
Membrane area	3 M3
UF quantity	2000~2300 pieces
Inner and outer diameter of hollow fibre	1.0/1.6 mm
Packaging method	Dry
Storage condition	-20~45 °C
Inspection pressure testing by air	<0.2 Mpa
Maximum pressure	0.6 Mpa
Operation pressure	<0.1 Mpa
Maximum pressure drop	<0.2 Mpa
Maximum backwash pressure drop	<0.15 Mpa
Suggested operation temperature	5~40 °C
Ph value	2~10
Flow	Full flow / cross flow
Back washing flow rate	2 M3/h
Back washing pressure	0.05~0.1 Mpa
Back washing time	40~60 Seconds
Back washing cycle	40~300 Minutes
Direct washing time	40~60 Seconds
Direct washing cycle	40~300 Minutes
Chemical washing cycle	15~200 Days
Chemical washing time	30~120 Minutes
Washing chemical	Citric Acid, NaOH/NaClO

BIG BLUE HOUSINGS

Big Blue housings systems are designed for large capacity whole house or for high flow applications. By using the big blue or big white housings, you are assured a water flow rate up to 8 times faster than standard water housings.

The heavy-duty and durable filter housing construction make it ideal for use in heavy contamination reduction application.

Twin 20" big blue water filters are commonly used at a point-of-entry water filter system. This include Whole House, Rain Water Tank or Dam Water fill or cattle feeding water. It is installed on the supply line of a house or a water tank. This ensures that clean and filtered water is provided to each and every single water source at the point of use.

Filtering Process

Stage 1 - Sediment 10 Micron Polyspun Pre Filter

The 5 or 10 micron spun or pleated filter for removing particles, dirt, rust & sediment.

Stage 2 - Carbon Block or Granular Active Carbon

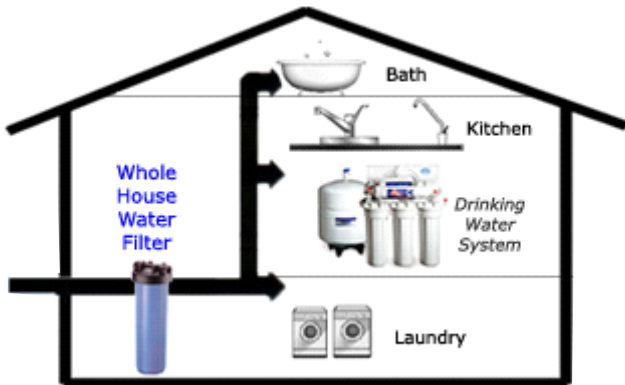
The NSF certified carbon filter which will removes chlorine, chemicals, tastes and odours and some metals.

By removing chlorine and other harmful chemicals at the point-of-entry, whole house water filter systems not only provide cleaner, healthier water, but better air quality, as well. They prohibit chlorine from vaporising in the air when used in the shower and washing machine.



Features;

- **Dimensions:** 23-3/8" x 7-1/4" (594 mm x 184 mm)
- **Maximum Temperature:** 100°F (37.8°C)
- **Maximum Pressure:** 90 psi (6.2 bar)
- Polypropylene food grade plastic



Order from:

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ESSENTIAL COFFEE MACHINE COMPANION

XSENTIAL XQS SERIES QUADRUPLE ACTION SYSTEMS

- Absorb objectionable Taste, Odour & Chlorine
- Provide Sediment Filtration
- Provides Scale Prevention & Corrosion Control
- Reduces Chlorine Induce Corrosion
- Compact Design Facilitates System Placement & Installation
- Effective and Economical Water Treatment System & Cartridges
- Bayonet Style Quick Disconnect Cartridge Makes Filter Replacement Quick & Easy

Model	Dimension	Rated Service Cycle (litres)	Rated Service Flow Rate (l/m)	Oper. Pressure Min./Max. (kPa)	Max. Oper. Temperature	Contaminate Reduction	Replacement Cartridge
AX5-TS							
XQS-10	4" x 12.5"	38,000	6.6	206/860	38°C	Chlorine	XQS-10R
XQAS-15							

INNOVATIVE CUSTOM WATER TREATMENT SOLUTIONS

ABXOLUT TRIPLE ACTION - A MUST HAVE SYSTEM



As the water quality in Australia gets worse, this means that there is more unwanted dissolved solids in the water. These dissolved solids can cause expensive damage to water feed appliances if left unchecked.

Abxolut Triple Action System provides **SEDIMENT**, **RUST PARTICLES**, **SAND PARTICLES**, **CHLORINE**, **OBJECTIONABLE TASTE & ODOUR** and **SCALE** reduction from the in coming water before it reaches the water feed appliances.

It is quick & easy to replace, effective and economical to run. It is a must have companion for that perfect cup of coffee.

QUADRUPLE ACTION SYSTEM - PROTECTION SYSTEM



XQS Quadruple Action Water Filter Systems are designed to meet the demanding water requirements of foodservice equipment by bringing together proven technologies into an extremely effective water treatment system. The patented feed system of the ScaleStick insert doses the HydroBlend at a consistent rate, assuring continued protection for equipment throughout the useful life of the carbon block cartridge.

XQS Series water filters provide **SEDIMENT**, **CHLORINE**, **TASTE & ODOUR** removal by utilizing the carbon block filters. In addition to the carbon block filter, the XQS Series incorporates the ScaleStick insert providing **SCALE PREVENTION** and **CORROSION CONTROL** for foodservice equipment.

QUADRUPLE ACTION SYSTEM WITH PRE-SEDIMENT



For effective water treatment, more is needed than just an effective scale and corrosion control product but also an effective delivery system.

The combination of the sediment, carbon and latest scale prevention media ensure that the water is treated before it enter the coffee machine.

XQS-10 water filters with pre-**SEDIMENT** PROVIDE **SEDIMENT**, **CHLORINE**, **TASTE & ODOUR** removal by utilizing the carbon block filters. The pre-sediment filter prevents the carbon block from blocking up with sediment, dirt, rust and sand particles. This makes the XQS-10 cartridge last longer. Hence the effectiveness of the ScaleStick (scale control) remain until the HydroBlend is used up.

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XSRSC101H



XSOFT1019

see next page for more information



THE ULTIMATE DISHWASHER COMPANION

XSRSC101H High Temperature Water Treatment System is designed with simplicity and practicality in mind. There is no setting, no electricity required, and no guess work as to when the cartridge needs replacement. When applied correctly, the XSRSC101H will consistently feed product over the life of the cartridge.

Dishwashers spray hot water along with chemicals to remove food from dishes. The fact that heated water is being sprayed encourages the formation of scale. Scale build up decreases the life and efficiency of dishwashers. As water is being sprayed inside the machine, one can expect that scale will form everywhere causing problems from plugged nozzles to sticking mechanical parts.

Model	Flow rate (l/m)	Capacity (Litre)	Line size	Maximum Pressure	Maximum Temp.	Shipping Weight	Replacement Cartridge
XSRSC101H	7.5-22	246,000	3/4"	150 psi	160 °F	2.7 lbs	XSRSC10R

HIGH TEMPERATURE WATER SOFTENER FOR DISHWASHERS & BOOSTER HEATERS

The Xsential High Temperature Water Softener is specially designed for Dishwashers & Booster Heaters to help eliminate hard water scale build-up on dishwasher spray nozzles and compartments. It also reduces water spotting on dishes, utensils and glassware. Hard water scale can reduce performance and equipment life span.

Compact in design, the system allows for installation next to or under the dishwasher. The system regenerates automatically on a periodical basis depending on water hardness and water usage.

BENEFITS INCLUDE:

- No hard water scaling in Booster heater & Dishwasher
- Prolonged life of the equipment
- Reduce spotting
- Less Chemical usage

SYSTEM SPECIFICATIONS:

Water flow rate	2-3 gpm
Total capacity	16,000 grains
Regenerate capacity	12,000 grains
Salt usage @ 12,000 grs	6 lbs/reg.
Max. Temperature	65°C
Max. Pressure	125 psi
Input/Output Connections	3/4" female
Softener Dimensions	10" x 19"
Salt Tank Dimensions	17" x 20"
Salt Tank Capacity	120 lbs

SYSTEM REQUIREMENT:

- Softener salt
- Power point
- Water hardness test
- Waste water drainage



*Example: Water hardness of 10 grains/gallon allows for 1,200 gallons water usage before regeneration is needed.

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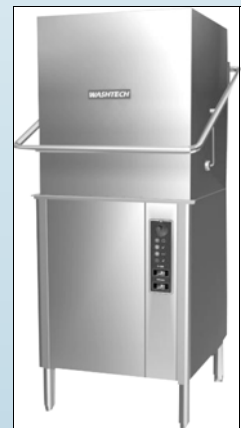


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QUADRO REVERSE OSMOSIS SYSTEM PUMP KIT

Need for water pressure for your reverse osmosis system?



QP300 reverse osmosis booster pump

QP300 reverse osmosis pump is designed for 200-300 gallon per day RO systems. It is fully automatic and very easy to install. It also help saves water. A typical RO system with less water pressure will waste more water due to the tap water constantly pushing against the RO membrane to make the clean water. Most of the tap water ends up as a waste because the water pressure is not high enough to push the tap water through the membrane. QP300 solves this problem by giving the RO system the right water pressure to quickly fill up the storage tank.

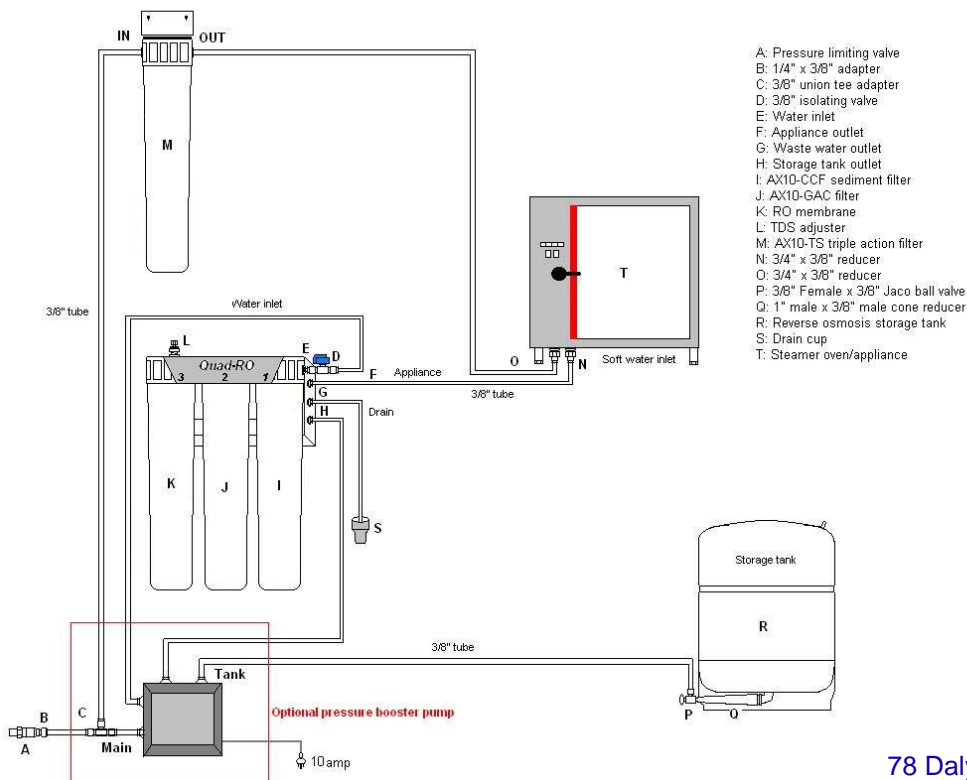
So no big expensive pressure pump and plumbing required. Qdmp300 will auto power on when water pressure is low and auto power off when RO storage is full. It also has a build-in back up high water pressure to prevent tank bladder damage.

Specification:

Input voltage: 220V AC
 Dimension: 26cm (L) x 20cm (W) x 17cm (H)
 Power consumption: 2.3 amp
 Inlet/ outlet connector: 3/8" OD
 (quick connect)

Features:

- Low power consumption
- Compact and efficient
- Build in one low water pressure sensor and two high pressure sensors
- Auto switch on when the water pressure is low
- Auto switch off the pump when the tank is full
- Suitable for 200 – 300 Gallon per day membrane
- Easy to install and remove



Installation diagram

Output capacity for 750 Litre per day membrane is : 70 litre per hour



ESSENTIAL PROTECTION FOR COMBI STEAMER OVENS

Quad-RO reverse osmosis system has been developed specifically for use with combination ovens. The system removes up to 96% of all impurities from the incoming water, including calcium and magnesium that cause scale, chlorine and chlorides that can cause corrosion, thus providing a complete answer to all the water related problems experienced by combi and steam oven users. It also allow you to adjust the TDS according to your requirement.

An RO system is sized according to the amount of treated water required per hour and a single unit can treat multiple ovens at no additional cost. An RO system has several key advantages for steam oven water treatment.

- * Fixed operating cost, based on time, rather than water hardness and volume of water treated.
- * For multiple ovens in a group a single RO system can provide water for all ovens, yielding significantly lower operating costs.
- * **A pressure booster pump kit is strongly recommended for area where the water pressure is below 400kPa**

Model	Tank Dimension (cm)	Oper. Pressure Min./Max. (kPa)	Suitable For
QUAD-RO12	35 (H) x 23 Dia	400/600	Coffee machines, 6 tray combi ovens
QUAD-RO40	60 (H) x 40 Dia	400/600	10 tray combi ovens
QUAD-RO76	80 (H) x 40 Dia	400/600	Combi oven uses approximately 36 litres per hour
QUAD-RO96	80 (H) x 50 Dia	400/600	Combi oven uses approximately 48 litres per hour

XSENTIAL REVERSE OSMOSIS SYSTEMS TO SUIT MAJOR BRAND OF COMBI OVENS

IT IS THE PROVEN WAY TO PROTECT COMBI STEAMER OVENS IN THE HARSH WATER ENVIRONMENT.



CONVOTHERM OES/OGS/OEB/OGB

Model	Reverse osmosis system
6.10	Quad-RO12
10.10	Quad-RO40
10.20	Quad-RO76
12.20	Quad-RO96
20.10	Quad-RO76 (with pump)
20.20	Quad-RO96 (with pump)

RATIONAL (EXCEPT THE AUTO WASH CYCLE MODEL)

Model	Reverse osmosis system
6 1/1	Quad-RO12
6 2/1	Quad-RO40
10 1/1	Quad-RO40
10 2/1	Quad-RO76
20 1/1, 20 2/1	Quad-RO96



ELECTROLUX

Model	Reverse osmosis system
6 tray	Quad-RO40
10 tray	Quad-RO40
20 tray	Quad-RO96 (with pump)
40 tray	Quad-RO96 (with pump)



UNOX

Model	Reverse osmosis system
XVC 104, XVC 054, XVC 304,	Quad-RO12
XVC 504, XVC 704, XVC504P, XVC704P, XVC1204P, XBP404P, XBC604P	Quad-RO40
XVC2004P, XBC804P	Quad-RO40
XVC1004P, XBC1004P	Quad-RO76

HOBART

Model – Boiler based	Reverse osmosis system
HFE-61	Quad-RO40
HFE-101	Quad-RO40
HFE-102	Quad-RO96
HFE-201	XCEED 600 with 76L tank
HFE-202	XCEED 600 with 96L tank

Boiler less

HFNB-61	Quad-RO40
HFNB-101	Quad-RO40
HFNB-102	Quad-RO76
HFNB-201	Quad-RO96
HFNB-202	XCEED 600 with 76L tank



GOLDSTEIN VISION

Model	Reverse osmosis system
Victory 6	Quad-RO12
Victory 10	Quad-RO12
GVCC623	Quad-RO12
GVCC611 & 1011	Quad-RO12
GVCC1221 & 2011	Quad-RO40
GVCC2021	Quad-RO40



FAGOR

Model	Reverse osmosis system
6-10 trays combi	Quad-RO12
20 trays combi	Quad-RO40
Gas combi oven	Quad-RO76

Disclaimer

Please note that the above information serves as a guide only. The figures listed above can be found in the manufacturer's manual. Xsential is not responsible for the accuracy of the figures shown above. Please verify with the oven suppliers for water consumption details before ordering an Xsential Pty Ltd water filtration system. Any incorrect order will not be the responsibility of Xsential Pty Ltd and damages are not claimable against Xsential Pty Ltd should an incorrectly sized water filtration system be ordered and installed and found to not be performing to expectations.



Xsential Pty Ltd
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QUAD-RO REVERSE OSMOSIS SYSTEM

PROVEN SOURCE OF WATER FEED EQUIPMENT PROTECTION



- Simplified solutions
- Simplified service
- Reduce running cost
- Specifically designed for use with combi steamer ovens
- Reduce or eliminate scale
- Reduce mineral shards or salt
- Reduce energy consumption - reduce carbon foot print.
- Total flexibility
- Total protection
- NEW** • Optional pressure booster pump to increase the water output

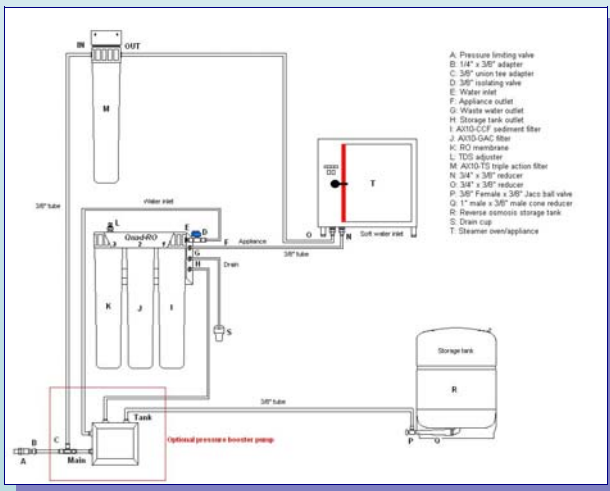


QUAD RO REVERSE OSMOSIS SYSTEM

REVERSE OSMOSIS PURIFICATION – PROTECTION

Reverse Osmosis (RO) is a water purification technique that reduces the quantity of total dissolved solids (TDS) in water. RO uses waterline pressure to push raw wastewater against a special semipermeable membrane. It is essentially a molecular squeezing process which causes H₂O molecules to separate from the contaminants. The separated water molecules then pass through to the inside of the membrane on to a holding reservoir. The contaminants are washed from the membrane and disposed.

RO has been used in treating boiler feedwater, in addition to industrial and process wastewaters. Boilers are found throughout the chemical processing industry and the primary method to treat boiler wastewater is an ion-exchange based demineralization process. However, RO has been demonstrated to be more cost effective than this demineralization process. ("Kucera, Jane". *Properly Apply Reverse Osmosis* [Chemical Engineering Progress](#).)



PROBLEM AND SOLUTIONS

High Total Dissolve Solid (TDS) in water includes limescale which can result in increased energy usage, regular costly service and repair.

Quad-RO removes up to 96% of the TDS in the water. High salt rejection membrane is the ideal environment for long term protection for your investment.



TDS Adjuster



Quick connect fittings



Optional pressure booster pump
26(L) cm x 20 (W) cm x 17 (H) cm
Transformer - 240/ 36 volts 2 Amp

FEATURES

- ▶ Sleek and compact stainless steel design.
- ▶ Snap on fittings and cartridges for quick installation and service.
- ▶ Scale inhibitor triple action system for the raw water inlet.
- ▶ Scale free water for steaming.
- ▶ TDS meter (included) can be used to help increase/decrease the conductivity of the RO water for various ovens' water requirement.
- ▶ High performance membrane to cater for highly demanding environment.
- ▶ All installation accessories are included.
- ▶ Optional pressure booster pump kit is now available to help increase the water pressure hence increase the water output.

SPECIFICATION

MODEL	Min-max pressure	OUTPUT GPD	DIMENSION D x W x H (cm)	TANK CAPACITY Litre (H x Dia cm)	Installation
QUAD-RO	400kPa - 600kPa	200	14.5 x 36 x 42	12 (35 x 23 cm) 40 (60 x 40 cm) 76 (80 x 40 cm) 96 (80 x 50 cm)	Comes with pressure limiting valve, oven fittings, tubes, & installation manual



Reseller:

QUICK CONNECT FITTINGS



CATALOGUE



These Organic Filter
connectors are tested
and certified by
NSF International under
NSF/ANSI STANDARD
61 Drinking Water
System Components

Distributed by

Xsential Pty Ltd
PO Box 907 Mount Lawley Western Australia 6929
Ph: 1300 366 295 Fax: (08) 9228 3883
www.xsential.com.au sales@xsential.com.au

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HOW QUICK CONNECT

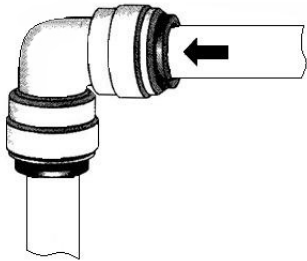
FITTING WORKS

TO MAKE A CONNECTION:

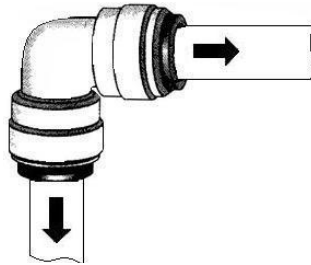
1. Measure and cut the tube to the desired length. Make sure that the cut is square and there is no burrs and sharp edges.
2. Push the tube into the connector to the tube stop.
3. Pull the tube to make sure it is secure.

TO DISCONNECT:

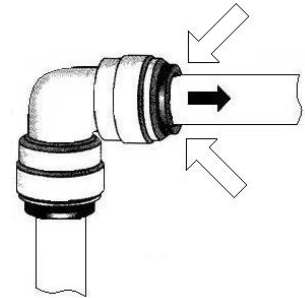
1. Ensure the tube is depressurised.
2. Push in the collet evenly against the fitting and pull the tube outward.



Push the tube into the connector to the tube stop.



Pull the tube to make sure it is secure.



Push in the collet evenly against the fitting and pull the tube outward.

WORKING PRESSURES AND TEMPERATURES

Water	10 Bar at 20°C
	4 Bar at 60°C

INSTALLATION AND MAINTENANCE

All tube and fitting installed must be tested before handing over to the end user. This is to ensure that there is no leak and loose connection.

These quick connect fittings generally require little maintenance. A routine visual inspection is all that is needed. More regular inspection is needed for severe applications. If the connector appears to be cracked, leak, charred, discoloured, heat distorted or corroded then have them replaced immediately.

Caution: All quick connect fittings and tube must be kept in a clean and under shed environment to prevent any damage.

LIMITED LIABILITY

Xsential makes no warranties of any kind, express or implied, statutory or otherwise, and expressly disclaims all warranties of every kind, concerning the products, including, without limitation, warranties of merchantability and fitness for a particular purpose, except that these products should be capable of performing as described in this product's data sheet. Xsential's obligation shall be limited solely to the refund of the purchase price or replacement of the product proven defective, in Xsential's sole discretion. Determination of suitability of these products for uses and applications contemplated by Buyer shall be the sole responsibility of Buyer. Use of this product constitutes Buyer's acceptance of this limited liability. Please refer to the terms and conditions of sale for more detail.

QUICK CONNECT FITTINGS

Introducing the quickest pipe connection method on the market. Simply cut the tube and push into the connector. They are developed with water industry in mind and are equally suitable for other portable liquids. These Organic Filter push-in fittings are certified to NSF/ANSI Standard 61 Drinking Water System Components.



Choose Organic quick connector fittings for reliability and simplicity.

LIQUIDS



STRAIGHT ADAPTER

Part No.	Tube OD	Thread
WA-MC0404	1/4	1/4
WA-MC0406	1/4	3/8
WA-MC0604	3/8	1/4
WA-MC0606	3/8	3/8
WA-MC0607	3/8	1/2



MALE ELBOW ADAPTER

Part No.	Tube OD	Thread
WA-ME0402	1/4	1/8
WA-ME0404	1/4	1/4
WA-ME0406	1/4	3/8
WA-ME0604	3/8	1/4
WA-ME0606	3/8	3/8
WA-ME0607	3/8	1/2



UNION ELBOW ADAPTER

Part No.	Tube OD	Tube OD
WA-UE0404	1/4	1/4
WA-UE0604	1/4	3/8
WA-UE0606	3/8	3/8



KITCHEN FAUCET ADAPTER

Part No.	Tube OD	Thread
WA-KFA0406	1/4	3/8
WA-KFA0407	1/4	1/2
WA-KFA0606	3/8	3/8
WA-KFA0607	3/8	1/2



UNION ADAPTER

Part No.	Tube OD	Tube OD
WA-UC0404	1/4	1/4
WA-UC0604	1/4	3/8
WA-UC0606	3/8	3/8



MALE BRANCH TEE ADAPTER

Part No.	Tube OD	Thread	Tube OD
WA-MBT0404	1/4	1/4	1/4
WA-MBT0606	3/8	3/8	3/8



These Organic Filter connectors are tested and certified by NSF International under NSF/ANSI STANDARD 61 Drinking Water System Components



STEM REDUCER ADAPTER

Part No.	Tube OD	Tube OD
WA-SR0406	1/4	3/8
WA-SR0604	3/8	1/4



STEM ELBOW ADAPTER

Part No.	Tube OD	Tube OD
WA-SE0404	1/4	1/4
WA-SE0406	1/4	3/8
WA-SE0606	3/8	3/8



MALE STEM REDUCER ADAPTER

Part No.	Tube OD	Thread
WA-SA0404	1/4	1/4
WA-SA0406	1/4	3/8
WA-SA0604	3/8	1/4
WA-SA0606	3/8	3/8



TWO WAY DIVIDER ADAPTER

Part No.	Tube OD	Tube OD	Tube OD
WA-TWD0404	1/4	1/4	1/4
WA-TWD0606	3/8	3/8	3/8



BULKHEAD UNION ADAPTER

Part No.	Tube OD	Tube OD
WA-BU0404	1/4	1/4
WA-BU0406	1/4	3/8
WA-BU0606	3/8	3/8



FEMALE ADAPTER

Part No.	Tube OD	Thread
WA-FA0404	1/4	1/4
WA-FA04-716	1/4	7/16
WA-FA06-716	3/8	7/16



MALE RUN TEE ADAPTER

Part No.	Tube OD	Tube OD	Thread
WA-MRT0404	1/4	1/4	1/4
WA-MRT0604	3/8	1/4	1/4



STEM RUN TEE ADAPTER

Part No.	Tube OD	Tube OD	Tube OD
WA-SRT0404	1/4	1/4	1/4
WA-SRT0606	3/8	3/8	3/8



MALE RUN TEE ADAPTER

Part No.	Tube OD	Tube OD	Thread
WA-MRT0404	1/4	1/4	1/4
WA-MRT0604	3/8	3/8	3/8



UNION TEE ADAPTER

Part No.	Tube OD	Tube OD	Tube OD
WA-UT0404	1/4	1/4	1/4
WA-UT0406	3/8	1/4	3/8
WA-UT0604	1/4	3/8	1/4
WA-UT0606	3/8	3/8	3/8



LOCKING CLIP

Part No.	Tube OD
WA-LC0004	1/4
WA-LC0006	3/8

VALVES AND ACCESSORIES



HEX NIPPLE

Part No.	Thread
WA-HN0404	1/4
WA-HN0606	3/8



AUTO SHUT OFF VALVE

Part No.	Tube OD
WB-CV0201W-Q	1/4



DRAIN SADDLE

Part No.	Tube OD
WE-CU114B-Q	1/4



TUBE CUTTER

Part No.: TBC



OD BALL VALVE

Part No.	Tube OD	Tube OD
WB-CV1344	1/4	1/4
WB-CV1364	3/8	1/4
WB-CV1366	3/8	3/8



MALE BALL VALVE

Part No.	Tube OD	Thread
WB-CV1444	1/4	1/4
WB-CV1466	3/8	3/8



FEMALE BALL VALVE

Part No.	Tube OD	Thread
WB-CV1244	1/4	1/4
WB-CV1264	3/8	3/8



TUBE

Part No.

WE-E2004 1/4" Tube ,LLDPE, colour: white, blue, black, red, yellow. 300M/roll
 WE-E2006 3/8" Tube ,LLDPE, colour: white, blue, black, red, yellow. 150M/roll



FEED WATER VALVE

Part No.

Tube OD

WE-BV2044-Q 1/4" quick connect x 1/4" MIP
 WE-BV2046 Saddle valve, 3/8" O.D x 1/4" MIP



FEED WATER ADAPTER

Part No.

MIP

B3414 3/4" feed water adapter with 1/4" female



FEED WATER ADAPTER

Part No.

MIP

WE-BV3077 Feed water adapter, 1/2"

ORGANIC FILTER CO., LTD.
 NO. 1 ALLEY 78, LANE 38, SEC. #1
 YUAN-LU ROAD, TONG-SI VILLAGE
 SIHU TOWNSHIP CHANGHUA 514
 TAIWAN
 Telephone: 886 4 8281600

Retro Fit / Triple Action Cartridges



Xsential Pty Ltd
 78 Daly St
 Belmont Western Australia 6104
 Ph: 1300 366 295 Fax (08) 92772266
 email: sales@xsential.com.au
 www.xsential.com.au

No compromise in quality.

Functions:

- Reduces particles and sediment
 - Reduces chlorine
 - Reduces unpleasant taste & odour.
 - Reduces limescale
- Capacity: ~ the same
 Temperature: 2-38 °C
 Working pressure: 70-870 kPa



ZIP_Water Filter

28001
 28002
 28005



AX2-4F

51000
 52000
 53000
 54000
 55000
 58000



AX2-2F

91240
 91241



AX2-EF

Everpure_Water Filter



QL1



QL2 15"

12"



AX2-ES



AX5-ES

- 5µ CB
 - 5µ CB & Scale

15"



AX10-ES

5µ CB



XQS-10

Scalestick systems



XQS-20

Other brands

Neverfail



AX2-2F

Arcus



AX2-CF

Expobar
 - BSSF

3M/Cuno_Water Filter

CFS-8000 series
 Arcus



CX5-CF
 5 micron
 Triple Action

AP8112 & AP8000,
 CK562



CX5-1M
 1 micron
 carbon

2CB-GW
 2CB5-K

Raindance

SPF



XUN10S

CTO/CCA



XUN10C

1 Micron
 Carbon block

Birko_instant boiling chilled water



XLCL10S
 Inline

1311047
 1311068



AX2-4F

1311050
 1311052



AX2-2F

1311070



AX2-EF

TW-M2043 TWIN HOUSING SYSTEM



TW-M2043 is designed for use on refrigerators with ice-makers and/or water through the door. The 20"x2.5" whole house water filter housing capable of high-volume water filtration which make it an ideal for use in any situation where better tasting, sediment-free water is required. - beverage equipment, drinking fountains, ice machines and other point of use applications.

The combination of sediment and carbon filter cartridges will provide clearer and better tasting ice and longer lasting cartridges.

Filtering Process

Stage 1 - Sediment 10 Micron Polyspun Pre Filter

The 5-micron sediment filter cartridge reduces extra-fine dirt, sand, sediment, silt, rust particles and asbestos particles.

Stage 2 - Carbon Block or Granular Active Carbon

The Standard 20"X 2.5" 5-Micron Carbon Block Filter. Carbon Block simultaneously removes chlorine taste and odour, and organic chemicals that contribute to taste and odour, while providing the particulate filtration and dirt-holding capacity of an efficient 5µm nominal sediment filter.

Features;

- **Dimensions:** 22" x 3"
- **Maximum Temperature:** 100°F (37.8°C)
- **Maximum Pressure:** 90 psi (6.2 bar)
- Polypropylene food grade plastic

The extrusion process allows the production of a carbon block with more carbon, but a lower pressure drop. Our Carbon Block filters deliver extended life while removing sediment, chlorine taste and odour, and organic contaminants from water, aqueous solutions or suspensions.



Order from:

Xsential Pty Ltd
78 Daly Street Belmont Western Australia 6104
Ph: 1300 366 295 Fax: (08) 92772266
email: sales@xsential.com.au www.xsential.com.au



ESSENTIAL SPARKLE ESSENTIAL HYGIENE

The **TRUE** hand polish free Reverse Osmosis water system has finally arrived. With the combination of recirculating glasswasher and Xsential's **XCEED 600** reverse osmosis (RO) system, washing dirty glasses has never been so easy and clean. The **XCEED 600** RO system removes up to 96% of all impurities from incoming water, including calcium and magnesium that cause spotting and chlorine and chlorides that cause corrosion. This translates into saving time and money for years to come.

The advantages of the XCEED 600 and glasswasher combination are:

- * No more staining on glassware (with the right detergent is used)
- * No more harsh chemical usage to remove stains on glassware
- * No more hand polishing of glassware thus more hygienic
- * No more unsightly lint pieces on the glasses
- * Less detergent usage due to water softness
- * No more scrubbing and dirty scrub marks left on glassware
- * Save on intensive labour costs as no hand polishing of glassware required
- * No more water contaminates that ruin the taste of your beverage
- * Protect glass washer against the unnecessary damage cause by water
- * Fixed operating cost, based on time rather than water hardness and volume of water treated.
- * The system can be use on multiple applications (depending on the water consumption of other appliances)

Model	System Dimension (cm)	Tank Dimension (cm)	Oper. Pressure Min./Max. (kPa)	Capacity L/per day	Drain L/per day	Suitable For
XCEED 600	24.5 (W) x 44 (L) x 74 (H)	80 (H) x 40 Dia	450/860	2000	200	Bain maries, tea boiler, coffee machines, combi oven, glass washer, drinking water

Please note that regular filter cartridge replacement is required. Failure to do so will result in blocked filter cartridges and hence will impact the performance of the reverse osmosis system.

Disclaimer

Please note that the system is designed to be used on the recirculating water type of glasswasher with built in rinse pump. Consult your local technical consultant if you are not sure. Any incorrect order will not be the responsibility of Xsential Pty Ltd and damages are not claimable against Xsential Pty Ltd should an incorrectly sized water filtration system be ordered and installed and found to not be performing to expectations.

XDC-200 TWIN UNDESINK QUICK CHANGE SYSTEM



- Removes offensive chlorine
- Removes offensive taste and odour
- Reduces cloudiness
- Removes dirt and any other particles
- Reduce pesticide

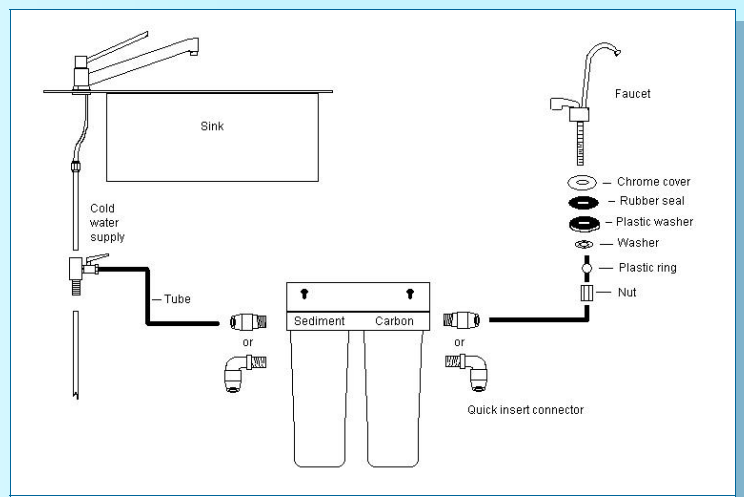
The twin undersink water filtration system has long been the most popular choice for residential, renters and caravan drinking systems. It is economical and effective in providing fresh drinking water. However, Xsential XDC200 twin quick-change system takes the concept even further by making the cartridge easier to service or replace. It not only produces clean water for many years to come, you will not need to call any water filter service companies to look after your water filter system. Other design and single cartridge system is also available.

Features;

- Reduces running cost because no service technician is required
- Cartridges are available from major retailers
- Economy to own and run
- Various style of faucet options available
- No monthly rental fees

ACCESSORIES (COMPLETE)

- XDC200 twin quick-change system
- Pressure limiting valve
- Plumbing fitting
- 2 meter of poly tube
- Stylish ceramic faucet
- Installation instructions



Standard



Deluxe



All in one





XPAQ REVERSE OSMOSIS

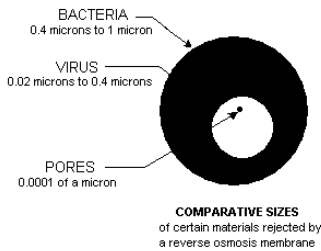
THE BEST SOURCE OF WATER IS IN YOUR HOME



YOUR NATURAL SOURCE OF WATER FROM TAP

XPAQ Under Counter Reverse Osmosis Water Filtration System is a highly effective water filtration system that is available on the market. Unlike other reverse osmosis systems, XPAQ is sleek and compact and is designed for contemporary kitchens. It is easy and convenient to use and provides delicious water right in your kitchen.

XPAQ Water Filtration System gives you peace of mind by letting you control the quality of the water you drink. Xsential's technologically advanced filtration capability does not allow many molecules to pass through the pores of the RO membrane and any dissolved mineral molecules (including bacteria and viruses) which are too large to penetrate the pores are flushed down the drain.



PURIFICATION PROCESSES/ FILTER SPECIFICATIONS:

Removes Arsenic, Barium, Cadmium, Copper, Chromium (hexavalent), Chromium (trivalent), Copper, Cysts, Turbidity, Fluoride, Lead, Radium 226/228, Selenium, and more (up to 96% of the impurities).



NO OTHER WATER PURIFICATION SYSTEM COMPARES

- DISTINCTIVE** - Revolutionary breakthrough design which is built to last.
- EFFICIENT** - Ready for drinking, cooking, making formula, coffee and tea as needed.
- ELEGANT** - Sleek, high performance and compact to fit any kitchen/tea room.
- HEALTHY** - Drink the best water to be healthy.
- HYGIENIC** - Easy to change filter cartridge, no fuss, no mess.
- IMPRESSIVE** - Enjoy fresh drinking water anytime.
- SAFE** - No electricity is needed to run. Built in pressure reduction valve to ensure a safe operating environment.
- TIME / MONEY SAVER** - Easy to install, run and service.



Optional faucets

BENEFITS



Drinking



Cooking



Formula



Coffee/Tea



Fruit Cleaning



Ironing



Aquarium



Planting

SPECIFICATION

MODEL	TYPE	OUTPUT Gallon Per Day	DIMENSION (cm) D x W x H	TANK CAPACITY Litre (air/water)	REMARK
XPAQ	UNDER COUNTER	50/70	42 x 24 x 42	6/3	Comes with faucet, pressure limiting valve & all installation accessories

Order from:

Xsential Pty Ltd
78 Daly Street Belmont Western Australia 6104
Ph: 1300 366 295 Fax: (08) 92772266
www.xsential.com.au email: sales@xsential.com.au

Commercial Reverse Osmosis



XPRo 3100

XPRo/ XCEED 3x series R.O. systems are ideal for light commercial application where purity of the water is very important.

MODEL:

- XPRo 3100 - generates 380 litres per day

DIMENSION: XPRo 3100

- (Main Frame) Length: 15 cm Height: 41 cm
Width: 35 cm

STORAGE TANK

Tank: height 46 cm x 39 cm Dia: 39 cm
Connector: 3/4"

PURIFICATION PROCESSES/ FILTER SPECIFICATIONS:

Removes Arsenic, Barium, Cadmium, Copper, Chromium (hexavalent), Chromium (trivalent), Copper, Cysts, Turbidity, Fluoride, Lead, Radium 226/228, Selenium, etc.

- 1st stage: 5 micron sediment filter cartridge, made from polypropylene fibres
- 2nd stage: solid 5 micron carbon block filter cartridge, composed of high performance extruded activated carbon
- 3rd stage: NSF certified TFC type membrane to ensure that the purity of the water is at its best

FILTER SERVICE LIFE:

- 1st stage Sediment Filter:
Change every 3–6 months
(depend on the water quality)
- 2nd stage Carbon Filter
Change every 3–6 months
- 3rd stage TFC membrane
Change every 2–3 years
(depend on TDS rejection)

SYSTEM INCLUDES:

- 3 Stage commercial grade housing system
- Long life, high performance cartridges
- High performance NSF certified membrane
- Multi-function dual check valve
- Auto shut off valve - prevent any waste of water when the storage tank is full
- 40 Litres Storage Tank
- Quick connectors - for ease of installation and service
- Hardware: feed water adapter, storage tank ball valve, drain saddle, back flow prevention valve, screws, 1/4" and 3/8" tubing
- Easy to follow Installation & maintenance manual

SYSTEM REQUIREMENTS:

- Working pressure: Min 300kPa Max: 600 kPa.
- Working temperature: 38 °C
- If feed water has hardness level above 300 ppm, we recommend putting a water softener prior to the R.O. system

Your Local Xsential Retailer:

XPRO 550 REVERSE OSMOSIS SYSTEM



XPRO 5x Series

XPRO 550 IS AN IDEAL UNDERSINK SYSTEM FOR THE HOME, OFFICE AND RESTAURANT ENVIRONMENT. START SAVING NOW ON BOTTLED DRINKING WATER.

DIMENSION:

- (Main Frame) Length: 37 cm Height: 45 cm Width: 20 cm
- Faucet: 24 cm above counter top

STORAGE TANK:

Diameter: 23 cm Height: 35 cm

Automatic turn "off" when water supply is cut off and when the tank is full.

PURIFICATION PROCESSES/ FILTER SPECIFICATIONS:

Removes Arsenic, Barium, Cadmium, Copper, Chromium (hexavalent), Chromium (trivalent), Copper, Cysts, Turbidity, Fluoride, Lead, Radium 226/228, Selenium, etc

SYSTEM INCLUDES:

- Storage Tank: 12 Litres.
- 5 Stage Commercial grade system
- Long life, high performance cartridges
- Water Dispensing Faucet: lead-free, long reach gooseneck type, chrome steel, locking lever for continuous dispensing
- Hardware: feed water adapter, drain saddle valve, tank valve, back flow prevention valve, and screws
- Installation & Maintenance manual

SYSTEM REQUIREMENTS:

- Working pressure: min 350 kPa, Max 600kPa
- Working temperature: 38 °C
- If feed water has hardness level above 300 ppm, it is recommended that a water softener is installed prior to the RO system

FILTER SERVICE LIFE:

- 1st stage Sediment Filter change every 4 – 6 months (depend on the water quality)
- 2nd & 3rd stage Carbon Filters change every 6-12 months
- 4th stage 50/70 GPD TFC membrane change every 2 to 3 years (depend on TDS rejection)
- 5th stage Inline-Carbon-Filter change every 12 months

BENEFITS



Drinking



Cooking



Formula



Coffee/Tea



Fruit Cleaning



Ironing



Aquarium



Planting

Your Local Xsential Retailer:

Xsential Pty Ltd

78 Daly Sreet

Belmont Western Australia 6104

Ph: 1300 366 295 Fax: (08) 9228 3883

www.xsential.com.au email: sales@xsential.com.au

**XQS SERIES CHEMICAL REDUCTION FILTERS
FOR FOODSERVICE INDUSTRY**

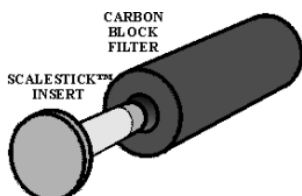


INNOVATIVE CUSTOM WATER TREATMENT SOLUTIONS

XQS SERIES QUADRUPLE ACTION

CHEMICAL REDUCTION FILTERS

XQS Quadruple Action Water Filter Systems are designed to meet the demanding water requirements of foodservice equipment by bringing together proven technologies into an extremely effective water treatment offering.



XQS Series water filters provide **SEDIMENT, CHLORINE, TASTE & ODOUR** removal by utilizing the carbon block filters. In addition to the carbon block filter, the XQS Series incorporates the ScaleStick insert providing **SCALE PREVENTION** and **CORROSION CONTROL** for foodservice equipment.

The ScaleStick product line has proven itself in the foodservice industry as a highly effective anti-scalent and corrosion inhibitor.

For effective water treatment, more is needed than just an effective scale and corrosion control product but also an effective delivery system. The patented feed system of the ScaleStick insert doses the HydroBlend product at a consistent rate, assuring continued protection for equipment throughout the useful life of the carbon block cartridge.

Unlike standard anti-scalents, ScaleStick products work in high temperature applications. This makes the **XQS-10** cartridges the correct choice for high temperature **COFFEE** and **ESPRESSO** equipment and **XQS-20** for **STEAMER OVEN**.

The superior scale control properties of the ScaleStick product in high hardness environments also make the **XQS-10** a logical choice for **ICE MACHINE** equipment.



XQS-10



XQS-20

XQS FEATURES & BENEFITS

- Absorb Objectionable Taste, Odour & Chlorine
- Provides Sediment Filtration
- Provides Scale Prevention & Corrosion Control
- Reduces Chlorine Induced Corrosion
- Compact design facilitates system placement and installation
- Effective AND Economical Water Treatment Systems & Cartridges
- Bayonet Style Quick Disconnect cartridge makes filter replacement quick & easy

Model Number	DIMENSION (L X D)	Rated Service Cycle	Rated Service Flow Rate	Oper. Pressure Min. / Max.	Max. Oper. Temperature	Contaminate Reduction
XQS-10	4" x 12½"	38,000 litres	6.6 L/min	206/ 860 kPa	38° C	Chlorine
XQS-20	4" x 17½"	53,000 litres	7.5 L/min	206/ 860 kPa	38° C	Chlorine

*Flow rates dependent incoming water pressure and condition of sediment cartridge.

*Operating pressure: non-shock (anti water hammering device should be used).



System Tested and Certified by NSF International against NSF/ANSI Standard 42 for the reduction of Chlorine, Taste and Odour

For Sales & Service:

BOEMA

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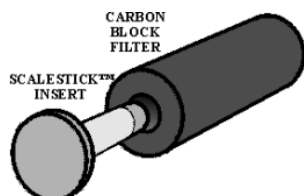


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XSOFT1019
see next page for more information



THE ULTIMATE DISHWASHER COMPANION

HIGH TEMPERATURE WATER SOFTENER FOR DISHWASHERS & BOOSTER HEATERS

The Xsential High Temperature Water Softener is specially designed for Dishwashers & Booster Heaters to help eliminate hard water scale build-up on dishwasher spray nozzles and compartments. It also reduces water spotting on dishes, utensils and glassware. Hard water scale can reduce performance and equipment life span.

Compact in design, the system allows for installation next to or under the dishwasher. The system regenerates automatically on a periodical basis depending on water hardness and water usage.

BENEFITS INCLUDE:

- No hard water scaling in Booster heater & Dishwasher
- Prolonged life of the equipment
- Reduce spotting
- Less Chemical usage

SYSTEM SPECIFICATIONS:

Water flow rate	2-3 gpm
Total capacity	16,000 grains
Regenerate capacity	12,000 grains
Salt usage @ 12,000 grs	6 lbs/reg (3kg)
Max. Temperature	65°C
Max. Pressure	750kPa
Input/Output Connections	3/4" female
Softener Dimensions	23 cm (Dia) x 69 cm (H)
Salt Tank Dimensions	38 cm (Dia) x 64 cm (H)
Salt Tank Capacity	120 lbs

SYSTEM REQUIREMENT:

- Softener salt
- Power point (10 amp)
- Water hardness test
- Waste water drainage



*Example: Water hardness of 10 grains/gallon allows for 1,200 gallons water usage before regeneration is needed.

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The **X-SCALE RS HYDROBLEND (XSRSC101H)** units are designed with simplicity and practicality in mind. There are no settings needed, no electricity required, and no guess work in when the cartridges need replacement. When applied correctly, The XSRSC101H units will consistently feed product over the life of the cartridge.

A simple glance at the housing lets one know when replacement it needed. The product will slowly dissolve over time, and cartridge changes take a couple of minutes.



XSRSC101H

DISH MACHINES

Dish machines spray hot water along with chemicals to remove food from dishes. The fact that heated water is being sprayed encourages the formation of scale. Scale build-up decreases the life and efficiency of dish machines. As the water is being sprayed inside the machine, one can expect that scale will form everywhere as well as causing problems from plugged nozzles to sticking mechanical parts.

Booster heaters are hot water fed and are placed prior to the dish machine. The flow rates for this application will vary depending on the dish machine. As long as the flow rates average 5.67 l/m, then the proper unit applied will be the HSRSC101H.

BOOSTER HEATERS (WATER HEATER)

Since booster heaters increase water temperature to 70°C, they are very susceptible to the formation of scale deposits on heating elements and on wetted metal surfaces. As scale forms on the elements, it acts as an insulator and the water is not heated efficiently.

In electric booster heaters the heating elements must heat the water for longer periods to achieve desired temperatures. The higher the temperature, the more scale will develop. When an excessive amount of scale forms on the element, heat will not dissipate off the element quick enough causing it to dry-fire which leads to eventual replacement. In gas booster heaters, scale build up will reduce capacity and greatly reduce its efficiency since scale also acts as an insulator from the heat source.

When applying HSRSC101H on booster heaters and dish machines, the results may vary depending on the water hardness, alkalinity, and other water characteristics. Since booster heaters maintain water pressure, one can expect lime scale reduction and possibly the elimination of lime scale inside the booster heater. In dish machines where the water is being released from pressure, expect a dramatic reduction in the amount of lime scale formation.

UNIT	Flow Rate / l/m	Capacity (Litre)	Line Size	Maximum Pressure	Maximum Temp.	Shipping Weight	Replacement Cartridge
HSRSC101H	7.5-22	246,000	3/4"	150 psi	160° F	2.7 lbs	XSRSC-10

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