

WATER...WE TREAT IT RIGHT...!!!



بيور وتر تكنولوجز ذ.م.م.
PURE WATER TECHNOLOGIES W.L.L.

Tel : 7769 2269, 7769 2279, 5551 8794 E-mail: info@purewaterqatar.com



EVERY DROP IS
IMPORTANT



We, at PWT, believe that customer satisfaction should be of our highest priority ensuring you get the very best from us... We design all the treatment plans precisely to suit your stringent water quality requirement and our manufacturing uses world renowned quality parts which carries quality certifications since long in this field.. Our area of specialization is not only limited to treatment plants, but also covers all functional components pertaining to Water & Waste water... which spreads into a wide spectrum, so that you can have all related products under one umbrella. In addition, our well experienced engineering team can undertake any repairing or maintenance work of existing any water systems..... For this reason, We are the clear choice in Qatar for Water treatment solution.....



ABOUT US

The present success story of Pure Water Technologies is one interlaced with tales of unwavering commitment, a far-sighted vision to revolutionize the water treatment needs of Qatar and an ardent passion to collaborate with the nation in its steady march towards progress and prosperity.

Pure Water Technologies has started operations in the year 2001 for catering to Water treatment services needs in Qatar with full line of Water Purification and Waste Water treatment systems designed for domestic, commercial and industrial applications where heavy and continuous duty services are required with quality and dependable performance. Key to our success story so far has been our expertise and experience in the field and precisely understanding the need and pulse of our clients.

OUR VISION

It is the vision of Pure Water Technologies to be a leading technology provider developing clean technology solutions for the environmentally sustainable treatment of the water industry.

COMPANY

At Pure Water Technologies, we approach water treatment a little different than most. We put a higher emphasis on the water chemistry and the chemistry solutions rather than high pressure sales. The backgrounds of our staff include engineering, chemistry and certified technicians. Treatment systems from Pure Water Technologies deliver high performance at the lowest life-cycle costs. Our pre-engineered systems are built with high-quality components designed specifically for water purification. They arrive at your facility ready to run with all Pre & Post treatment systems and controls and with very minimal installation time.



SAVE & PRESERVE WATER



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Apart from the water purification systems, we specialize in Swimming pool equipments, Water Pumps, Water Heaters, Steel & GRP sectional water tanks also. Each divisions are managed by competitive professionals with proven track record and success history in respective field. Pure water technologies acclaimed as single stop source for products and services related to water & waste water solutions in state of Qatar.



DE IONIZERS

WATER SOFTENERS

WATER FILTERS

REVERSE OSMOSIS PLANTS

SEWAGE TREATMENT PLANTS

GREY WATER TREATMENT PLANTS

BACTERIA CONTROL SYSTEMS

PANELED WATER TANKS

CARTRIDGE FILTERS

WATER PUMPS

WATER HEATERS



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PRODUCT & SERVICES

- » REVERSE OSMOSIS SYSTEMS TO TREAT TAP WATER & WELL WATER
- » REVERSE OSMOSIS SYSTEMS TO TREAT SEAWATER
- » WATER FILTERS FOR VILLAS & HIGH RISE BUILDINGS
- » WATER SOFTENERS FOR HOUSES, LAUNDRIES & BULDINGS
- » ELECTRO MAGNETIC WATER CONDITIONERS FOR BOILERS & COOLING WATER
- » SELF CLEANING FILTERS
- » MANUAL & AUTOMATIC BACK WASH DISC & SCREEN FILTERS
- » CHLORINE DIOXIDE UNITS FOR DIS INFECTIONING
- » ULTRA VIOLET & OZONE SYSTEMS
- » DOSING PUMPS & SYSTEMS
- » DE MINERALIZERS & RE MINERALIZERS
- » GREY WATER RECYCLING PLANTS
- » CAR WASH WATER RECYCLING PLANTS
- » SEWAGE WATER TREATMENT PLANTS
- » WASTE WATER TREATMENT PLANTS
- » WELL PUMPS, BOOSTER SETS, TRANSFER PUMPS, SEWAGE PUMPS ETC.
- » GRP SECTIONAL WATER TANKS
- » HDG & SS SECTIONAL WATER TANKS
- » CIRCULAR BOLTED WATER TANKS
- » BACTERIA REMOVAL SYSTEMS
- » SWIMMING POOL EQUIPMENTS
- » SWIMMING POOL CHEMICALS
- » WATER & WASTE WATER TREATMENT CHEMICALS
- » WATER TREATMENT PLANT SPARE PARTS
- » OPERATION & MAINTENACE SERVICES FOR WATER & WASTE WATER SYSTEMS



WATER FILTERS

We offer water filters suitable for different applications & Sizes and made with different materials such as FRP, Stainless Steel, Carbon Steel etc. The filters are comes with First grade chemically treated media and available with manual & automatic back wash facility. We use components from world renowned manufactures such as filter vessels from M/s Pentair USA, Wave Cyber & back wash controllers by Fleck, Clack, Aquamatic Etc.

Carbon Steel



FRP

Stainless Steel



Multimedia Sand Filters for removal of Sand, Silt , Sediments & Carbon Filters for removal of Free Chlorine, Smell, Color Etc.



Disc Filter

Screen Filter



Disc & Screen Filtration System for particulate filtration



Cartridge Filter Housing

Carbon Filter



Cartridge Filters For Sediment & Carbon Filtration



Sediment Filter

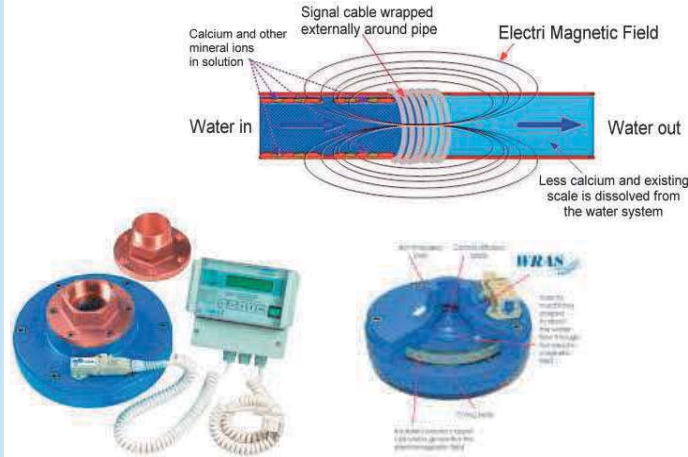


WATER SOFTENERS

We offer water softeners suitable for different applications & sizes and made with different materials such as FRP, Stainless Steel, Carbon Steel etc. The Softeners are capable of delivering soft water based on different technologies such as Ion Exchange process, Electro - Magnetic Conditioning etc. These systems are suitable for house hold , Commercial & Industrial applications. For the safe operation of boilers, cooling systems & heaters calls for soft water, which can be produced by our systems.



Ion Exchange based Water Softeners



Electro Magnetic Water Softeners

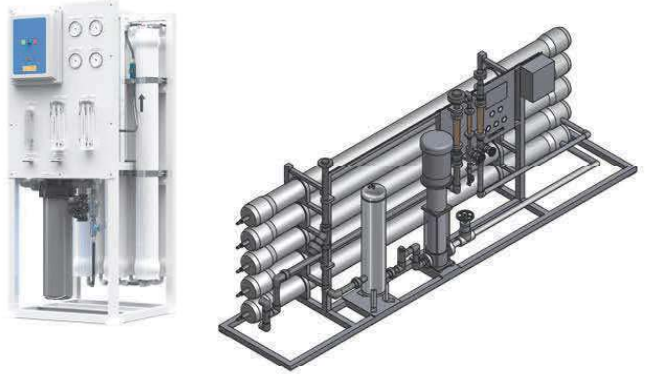


Cartridge Filters type Softeners

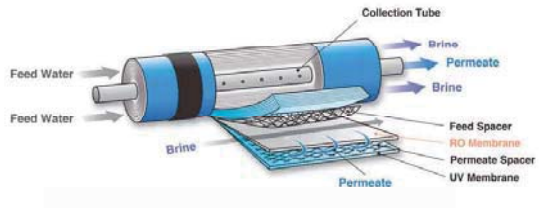


REVERSE OSMOSIS SYSTEMS

We manufacture desalination plants based on Reverse Osmosis (RO) technology to treat different water such as Tap water, Brackish Water & Sea Water available in Qatar from Bore wells & Sea. These plants use latest technological design to produce potable water with lowest life cycle cost & with highest treated water quality confirming to Qatar & World Health Organization (WHO) standards. We use top quality materials in our assembly and all systems are tested for quality & reliability.



Tap Water RO Systems



Brackish Water RO Systems



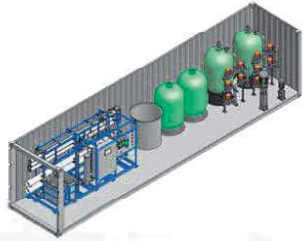
Seawater RO Systems



CONTAINERIZED RO PLANTS

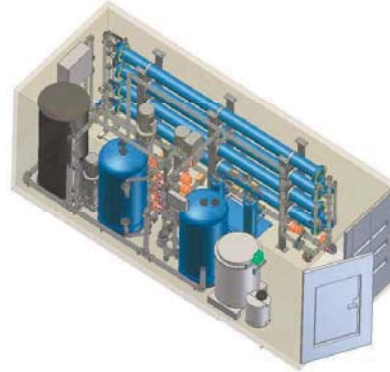
PWT containerized reverse osmosis systems can be delivered completely pre-fabricated hydraulically tested, in one or more containers, depending on the size and nature of the water treatment plant. The container becomes in essence the room for the water treatment plant and comes standard with ventilation & lighting. Depending on the requirements of the end-user (based on site temperature and noise regulations) the container may come with the following options:

- Thermal insulation
- Sound proof
- Air conditioning



All PWT containers are highly ergonomical due to the design by means of 3D Computer Aided Design software prior to construction, allowing for the ease of movement and access to equipment within the container.

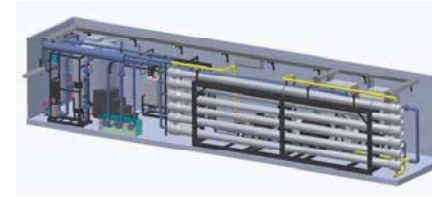
PWT has excellent experience, having executed a lot of successful projects in containers in Qatar.



The main advantages of a containerized system are

- ❖ Mobility - The containerized water treatment system may be used to treat water at different locations as it can be easily allocated to another area.
- ❖ Reduction of civil work - Will not require a room or space for the system.
- ❖ Fast implementation - The system is readily fabricated and tested - "Turnkey" plugs and play.

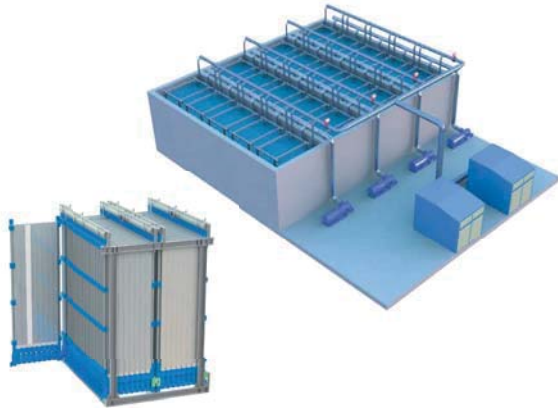
The advanced thermal insulation and the air-conditioning units can keep the internal environment suitable for water treatment, both for very hot and cold external environments.



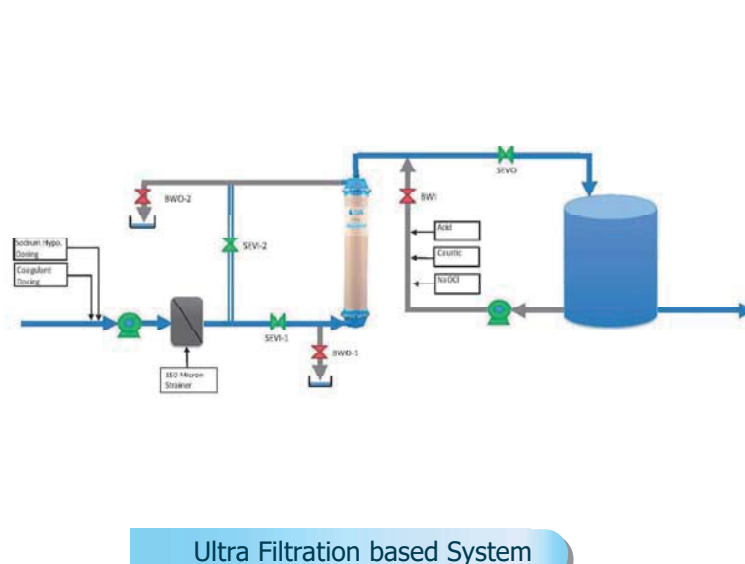


GREY WATER TREATMENT SYSTEMS

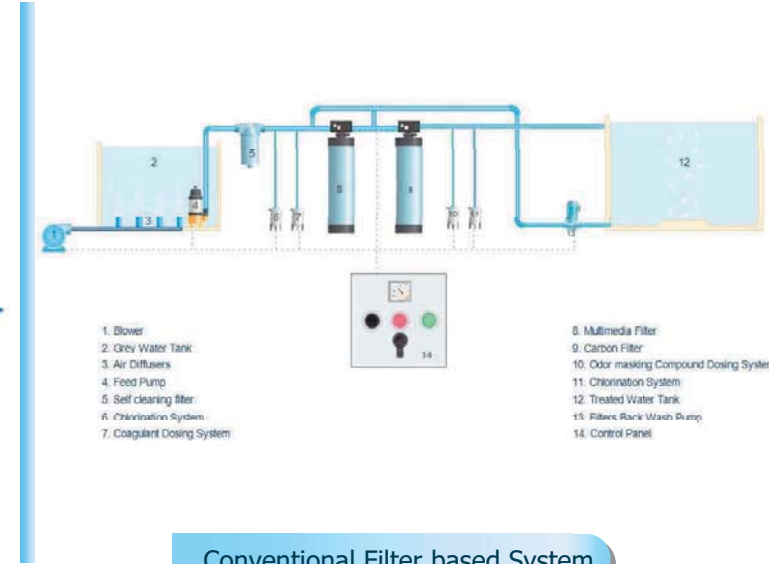
There are three major treatment process are available for the treatment of grey water to make it fit for low end uses such as toilet flushing, irrigation, general cleaning, cooling tower applications etc. The said treatment processes are Membrane Bio- Reactor (MBR) process, Ultra Filtration (UF) process, Conventional Filtration Process.



MBR Based System



Ultra Filtration based System

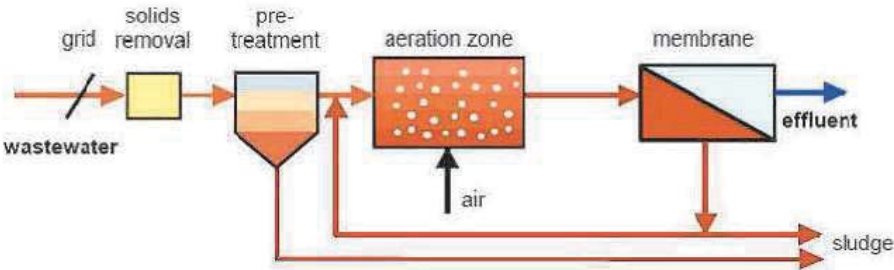
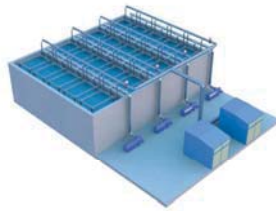


Conventional Filter based System



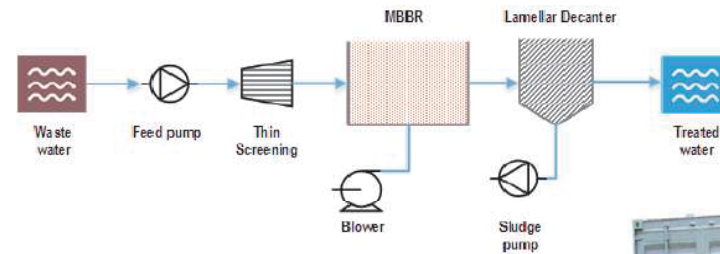
SEWAGE TREATMENT PLANTS

MBR processes can produce effluent of high quality enough to be discharged to coastal, surface or brackish waterways or to be reclaimed for urban irrigation. Other advantages of MBRs over conventional processes include small footprint, easy retrofit and upgrade of old wastewater treatment plants. It is possible to operate MBR processes at higher mixed liquor suspended solids (MLSS) concentrations compared to conventional settlement separation systems, thus reducing the reactor volume to achieve the same loading rate.



MBR SYSTEM

MBBR SYSTEM



The MBBR technology (Moving Bed Bio Reactor), where the biomass development is carried out in plastic supports (carriers) which are suspended in the mixed liquor of the biological reactor. These carriers enable growth of more microorganisms per unit of volume than a conventional system. Oxygen needed for wastewater treatment, is supplied through a blower and an air distribution system. After the biological reactor, water is introduced into the lamellar decanter. The sludge is collected in the bottom of the decanter, while clarified water is collected at the top.



DOSING SYSTEMS



Dosing systems comprises of electronic metering diaphragm type pumps with chemical solution storage tanks. These systems are capable of injecting liquid chlorine compound into the water to be sterilized. It comes in manual & automatic adjusting mode to control the dosage rate from 0 - 100% & available in different capacities to suit requirements.



BACTERIA CONTROL SYSTEMS

Chlorine dioxide is an extremely effective disinfectant, with many advantages over traditional chlorine and other chlorine based chemicals. It is effective over a wide range of bacteria including:

- ❖ Legionella Pneumophila
- ❖ Pseudomonas
- ❖ Bio films
- ❖ Cryptosporidium
- ❖ Salmonella
- ❖ Listeria
- ❖ Amoeba

Chlorine dioxide is suitable for a range of applications such as:

- Healthcare Facilities
- Hotels and Leisure Complexes
- Food / Beverage Processes
- Cooling Towers
- Waste Water



CHLORINE DIOXIDE UNITS



ULTRA VIOLET SYSTEMS

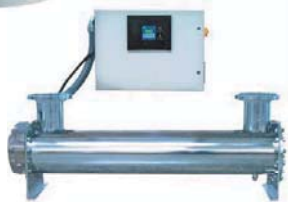


The Ultra Violet units have been designed to disinfect potable or process water. The germicidal effect of the UV light inactivates most micro-organisms such as bacteria, viruses and parasites. UV is known to be particularly efficient to inactivate *Cryptosporidium Parvum* and *Giardia Lamblia*.

The UV dose (UV Intensity x contact time) defines the treatment efficiency which is provided by the unit. The effective dose applied depends on the UV transmittance of water to be treated as well as the proper hydraulic design of the unit.

Applications:

- ❖ Drinking water
- ❖ Process water
- ❖ Aquaculture
- ❖ Deozonation
- ❖ Cooling water



OZONIZATION SYSTEMS

The Compact ozone range is designed for disinfection of private and hotel sized swimming pools. Ozone provides effective treatment against chlorine resistant micro-organisms and significantly improves water clarity. The range consists of a corona discharge ozone generator and automatically regenerated air dryer unit which can be used in combination to give ozone outputs from 2 – 8 g/h.

Main Features:

- ❖ Proven ability to safely lower free chlorine residual
- ❖ Effective against chlorine resistant micro-organisms
- ❖ Reduced skin and eye irritation
- ❖ Very low THM levels
- ❖ Significant improvement in water clarity
- ❖ Long term reliability of 10 to 15 years
- ❖ Simple to install and operate with minimal plant room space requirement.



Treatment for Residential & commercial applications.

Please note that the water supplying by Kahramaa is one of the best drinking water available & confirming to WHO & other international standards. There is no need of any kind of desalination systems to use for this water. On top of that while installing desalination (Reverse Osmosis) plants on this water, the water will get completely de mineralized, which is NOT AT ALL suitable for potable applications.

Further, while installing RO plants on Kahramaa water , the user will lose 9 times of water as waste water as household RO plants can work up to a maximum recovery of 10%. In short, to get 1 litres of "de mineralized water" one need to waste 9 litres of good water. So DO NOT USE RO PLANTS ON KAHARAMAA WATER TO GET POTABLE WATER AS KAHARAMAA WATER itself IS THE BEST QUALITY WATER SUITABLE FOR POTABLE APPLICATIONS.



Thanks to authorities for providing best quality potable water at our taps.

The recommended / suggested treatment systems to use with Kahramaa water is simple filtration systems to remove any sand, silt, dust etc, which may pick by the water during storage.

DO'S

- Keep the water tank lid tightly to avoid entering of foreign particles inside the water tank.
- Clean the water tanks once in every three months.
- Avoid leaking taps & Cisterns
- Avoid usage of potable water for low end uses
- Conserve water as much as possible as it starts from individuals.



WHOLE HOUSE FILTRATION SYSTEM

Whole House Water Filter Systems are modular systems that allow you to custom order a water filter system for your water treatment requirements. This ensures removal of all contaminants pollutants and turbidity found in your water so you have the best combination of water pressure and water quality.



WHOLE HOUSE UV PURIFICATION SYSTEM

The whole house water purification system is an effective treatment system for purifying water to make 100% safe drinking water. It comprises of pre filtration system & an Ultra Violet system. The pre filtration section employs cartridge type sedimentation filter to remove dirt, silt, suspended particles from water while the second stage removes free chlorine, smell, color etc. from the water. The Ultra Violet system destroy any bacteria & viruses in water. The highly efficient UV ballast provides constant output current and a universal power input (100-240V/50-60HZ.) and is fully CE compliant.



The Pre filter housing are made up of food grade PVC and are capable of withstanding 8 bar pressure. The UV chambers are manufactured from well polished, 304 stainless steel & the ballasts are of high quality material ensuring maximum life. The purifier is ergonomically designed and comes in ready to install form. It is equipped with visual and audible indicators & alarms to monitor the performance of the system.



ULTRA FILTRATION SYSTEMS



Ultra-Filtration System:

- Zero water waste
- Produces cold filtered water on demand
- Significantly reduces viruses, bacteria, benzene, chlorine, crypto, pesticides and rust
- Reduces algae, chloride, copper, lead and mercury
- Keeps essential minerals in the water

Filter Stages:

- 1st Stage: PP Sediment Filter
- 2nd Stage: Activated Carbon Granular Filter
- 3rd Stage: Activated Carbon Block Filter
- 4th Stage: UF Membrane
- 5th Stage: Post Activated Carbon Filter

System Specifications:

- Pre-Filtration Service Capacity: 800 - 1000 gal
- UF Membrane Service Capacity: 2000 - 2500 gal

Flow Rate:

- Service @ 22-40 PSI: 0.5 gal / min

Operation:

- Working Feed Pressure: 22 - 43 PSI
- Working Temperature: 40°F - 100°F

Shipping:

- Estimated Weight: 14 lbs.
- Dimensions: 15.5" x 16.75" x 7"



ULTRA FILTRATION WITH UV STERILIZER

Four Stage Filtration:

Stage - 1 - 5 micron sediment filter
Removes dirt, Silt etc.

Stage - 2 - Activated Carbon Filter
Removes free chlorine & its taste

Stage - 3 - Ultra Violet Sterilizer
Destroy & kills Bacteria & Viruses

Stage - 4 - Ultrafiltration
Fine filtration & removal of Viruses, Bacteria, Pathogens if any.



5 STAGE REVERSE OSMOSIS SYSTEM



Economy Type RO System

System: 37 x 45 x 20 (cm)

Tank: 28 x 28 x 35 (cm)

Weight: 16 kgs

Membrane: TFC-50 GPD

Faucet: #108

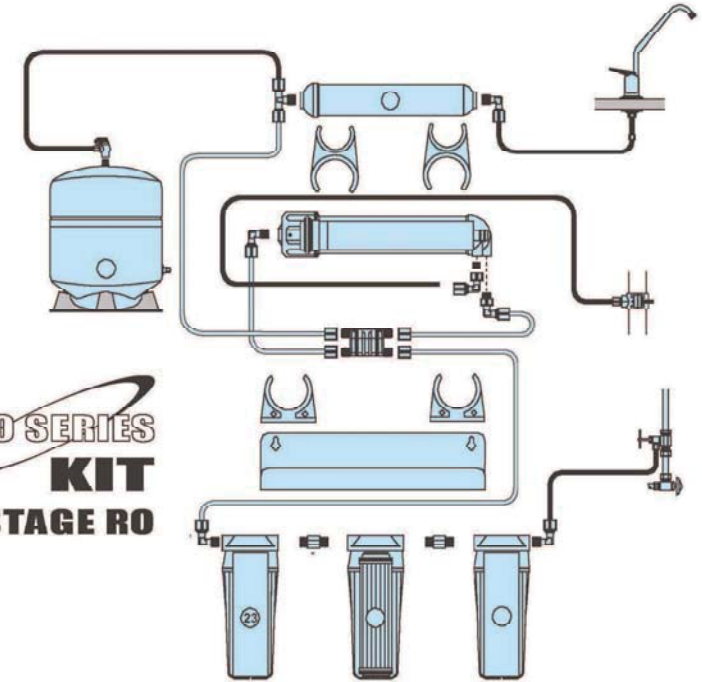
Tank: 3.2G NSF Tank

✳ The system includes a standard set of component parts.

TREATMENT STAGES

First Stage	✓	5- Micron Filter
Second Stage	✓	Carbon Filter
Third Stage	✓	Carbon Filter
Fourth Stage	✓	Reverse Osmosis Purification
Fifth Stage	✓	Post Carbon Filter

**RO SERIES
KIT
5 STAGE RO**



5 STAGE ULTRA FILTRATION SYSTEM



Economy Ultra Filtration System

Size : 37 x 40 x 20 (cm)

Weight : 15Kg

Membrane : 50-70 GPD

Faucet : Chrome Plated

Tank : 3.2 Gallon

Pump : Optional

Treatment Stages

First Stage : 5 Micron Sediment Filter

Second Stage : 1 Micron Sediment Filter

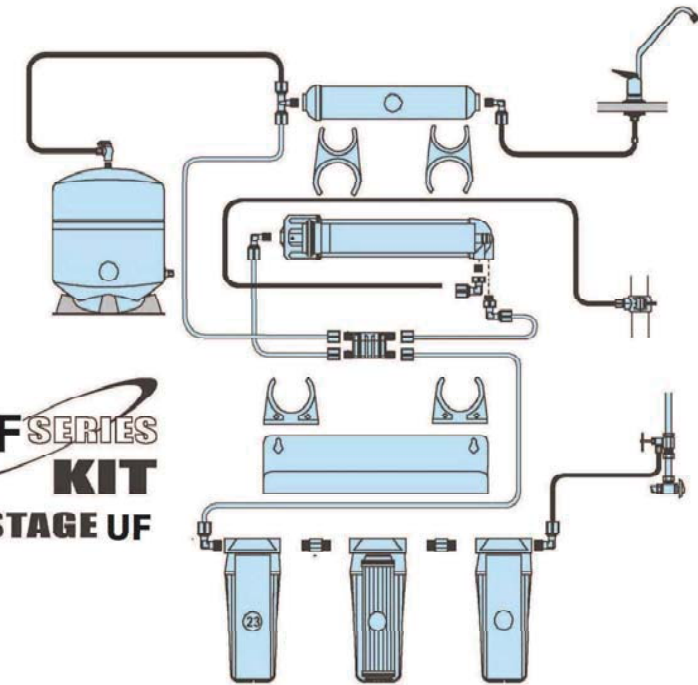
Third Stage : Carbon Filter

Fourth Stage : Ultra Filtration Membrane

Fifth Stage : Ultra Violet Sterilizer

Pump : Optional

**UF SERIES
KIT
5 STAGE UF**



PUMPS - DOMESTIC & INDUSTRIAL USE



Multistage Vertical pumps.



Multistage horizontal pumps.



Booster Sets



Bore well pumps



Single stage centrifugal pumps



End suction pumps



Split - casing pumps



Compact pressurization system



Submersible pumps





ELECTRIC WATER HEATERS



The number of the water fixtures in the house and the volume of hot water storage, expressed in liters, are the two main parameters to take into consideration when purchasing a boiler. When choosing new boiler, make sure that it is capable of satisfying the demand for hot water from all the fixtures that can draw off water at the same time (showers, baths, sinks and washbasins etc.).

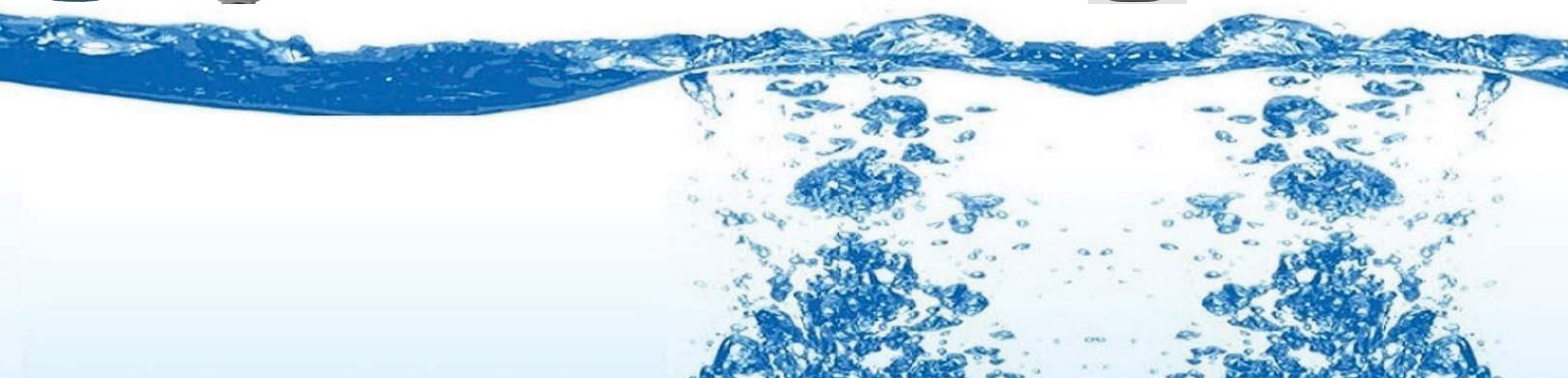
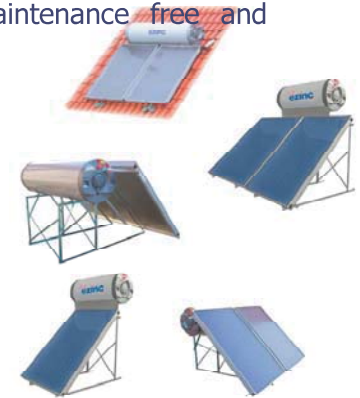


Available in different versions such as :

- ❖ Vertical wall mount type
- ❖ Horizontal Wall mount type
- ❖ Vertical floor mount type
- ❖ Under Cabinet type

SOLAR WATER HEATERS

The solar water heating system uses the sun's energy as a source of heat to produce hot water for domestic household use. Designed to meet the certification requirements of SRCC 0G-300, solar water heating systems are reliable, and can typically generate from 50% to 80% of your annual household water heating needs from the sun. Your remaining hot water needs can be supplied by your existing electric or gas water heater or boiler. Results will vary based upon on your specific region in the country. Hot Water System uses state-of-the-art technology and will provide you with many years of maintenance free and dependable service.



SECTIONAL WATER TANKS

GRP Sectional panel tanks are made up of SMC (Sheet Moulding Compound) by hydraulic hot press under high temperature and pressure conditions to maintain the best endurance. Using stainless steel for the interior structure and plated steel for the exterior, the panel exhibits excellent resistance to erosion. Easy installation with on - site bolt assembly and tank shape and volume can be freely designed with no restrictions based on site location, weather & climate.



GRP Sectional panel tanks are available in several options:

- ❖ With insulated & Non insulated panels
- ❖ With SS 304, SS 316 & duplex steel internals
- ❖ Available with maximum height of 5 meters
- ❖ Available to any volume
- ❖ Can be available with Internally partition



GRP WATER TANKS

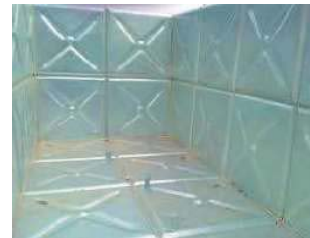
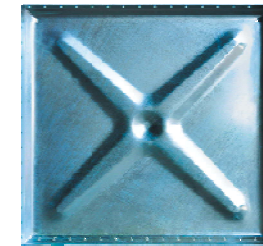
STEEL WATER TANKS

We can offer different types of Steel water tanks which can be used for fire water storage, irrigation water storage, storm water storage etc.

HDG (Hot Dipped Galvanized) tanks are made as per Qatar civil defence norms and carries their approval too. These tanks can be supplied with internal HDPE lining as per customer needs.

Apart from HDG tanks, we can offer Mild Steel with enamel coating, Stainless Steel (304 & 316) panelled tanks as per customer requirement.

All these tanks can be with panels corresponding to metric size as well as imperial size. Also all these tanks carries PSB certification too.



PWT SLIM RO WITH QUICK CHANGE FILTER



Product	Reverse Osmosis Water Purifier
Item Number	BP-500G
Rated Voltage and Frequency	100V-240V~50/60Hz
Rated Power	60W
Water Pressure	0.1-0.4MPa
Purified Water Rate	1.0L/min
Rated capacity of Purified Water	2000L
Applicable conditions	Temperature 4-40°C, ambient humidity below 90%
Water Source	Municipal Water
Product Size	443*132*356mm

Product Features:

- ◆ Undersink Space Saver Super Slim Design
- ◆ Multi Filter(PP+Carbon)+500G RO+Post Filter(UV)
- ◆ With 2 outlet for drinking and purified water
- ◆ Zero Flood Risk with Auto leak stop valve
- ◆ Removable Touch lid easy to replace filter
- ◆ Smart LCD show Cartridge Life, Operation and TDS
- ◆ ABS cover with slim&unique design
- ◆ Slimest Size 44.3L*13.2W*35.6H cm
- ◆ Save Water: 1:1 purify water rate
- ◆ Integrated control board make machine easy and simple to avoid leakage





Contact Details

E-mail : info@purewaterqatar.com

Sales : 7769 2269, 7769 2279

Service : 7769 2268



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