



Water

Purification Equipment

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Catalogue

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Water Purification Equipment makes every effort to provide accurate and complete information in this catalogue, various data such as flow rates, pressure ratings and product information may change without prior notification. All housing and cartridge flow rates are based on optimal conditions. All housings must be protected from water hammer.



Filter housing 5, 10, 20 inch slim

Filter housing is constructed of:

- Head and body: Talc filled polypropylene.
- Clear bowl: Styrene Acrylonitrile (San)
- Opaque bowl: Polypropylene
- Gasket: Nitrile , Buna-N
- Colour : White, Blue, Clear
- These housings are suitable for water and a wide range non corrosive liquids.
- Filter housings must be protected against freezing and direct sunlight.
- Maximum operating temperature 124 degree's F. (50C)
- Maximum operating pressure 8 bars
- Clear bowls should not be cleaned with solvents such as acetone etc.
- Mounting brackets for housings is available. (optional)
- Spanners for bowl removal are also available (optional)
- Inlet and outlets
 - 5 inch housing 1/4 inch BSP threaded
 - 10 inch housings Inlet and outlets 1/4", 1/2", 3/4", 1" BSP threaded.
 - 20 inch housings Inlet and outlets 3/4", 1" BSP threaded.
- Maximum flow rate
 - 5 inch housing 11 LPM
 - 10 inch housing 19 LPM
 - 20 inch housing 38LPM

Talc-filled polypropylenes have improved rigidity, hardness, and heat resistance compared to the base resin. Polypropylene is highly resistant to corrosive materials, organic solvents, and degreasing agents as well as electrolytic attack. Compared to low or high density polyethylene, polypropylene has a lower impact strength, but superior working temperatures and tensile strength.



Large diameter 10-20 inch housing

Filter housing is constructed of:

- Head and body: Talc filled polypropylene.
 - Opaque bowl: Polypropylene
 - Gasket: Nitrile , Buna-N
 - Colour : Blue
-
- These housings are suitable for water and a wide range non corrosive liquid.
 - Filter housings must be protected against freezing and direct sunlight.
 - Maximum operating temperature 95 degree's F. (35C)
 - Maximum operating pressure 6 bars
 - **Housings must be protected from water hammer.**
 - Mounting brackets for housings is available. (optional)
 - Spanners for bowl removal are also available (optional)
 - Available inlet and outlets 1", 1 ½" BSP threaded.
 - Maximum flow rate
 - 10 inch housing 85 LPM
 - 20 inch housing 85 LPM

Talc-filled polypropylenes have improved rigidity, hardness, and heat resistance compared to the base resin. Polypropylene is highly resistant to corrosive materials, organic solvents, and degreasing agents as well as electrolytic attack. Compared to low or high density polyethylene, polypropylene has a lower impact strength, but superior working temperatures and tensile strength.



Stainless steel 10-20 inch housing

Filter housing is constructed of:

- Head and body: 304 stainless steel
- These housings are suitable for water and a wide range non corrosive liquid.
- Filter housings must be protected against freezing.
- Maximum operating temperature 194 degree's F. (90C)
- Maximum operating pressure 10 bars
- Mounting brackets for housings are available. (optional)
- Spanners for bowl removal are also available (optional)
- **Housings must be protected from water hammer.**
- Inlet and outlets
 - 10 inch housings inlet and outlet 1/2", 3/4" BSP threaded
 - 20 inch housings inlet and outlets 3/4" BSP threaded.
 - 10 inch housings large diameter inlet and outlets 1" BSP threaded
 - 20 inch housings large diameter inlet and outlets 1" BSP threaded.
- Maximum flow rate
 - 10 inchhousing slim 19 LPM
 - 20 inch housing slim 38 LPM
 - 10 inchhousing large diameter 85 LPM
 - 20 inch housing large diameter 85 LPM

Stainless steel housings are mainly used in industrial applications. Were there may be pipe hammer or hydraulic shock from fast opening and closing valves and were units need to be installed in direct sunlight.

304 stainless steel is not recommended for brine or sea water (316 stainless steel must be used for brine or Sea water)



10 inch hot water housing

Filter housing is constructed of:

- Head and body: Glass-Reinforced Nylon
- Opaque bowl: Glass-Reinforced Nylon
- Gasket: Nitrile , Buna-N
- Colour: red

- These housings are suitable for water and a wide range non corrosive liquid.
- Filter housings must be protected against freezing and direct sunlight.
- **Housings must be protected from water hammer.**
- Maximum operating temperature 158 degree's F. (70C)
- Maximum operating pressure 8 bars
- Mounting brackets for housings is available. (optional)
- Spanners for bowl removal are also available (optional)
- Available inlet and outlets ¾" BSP threaded.
- Maximum flow rate – 10 inch housing 19 LPM

Used in hot water applications were sediment needs to be removed from water for hot water recycling e.g. Laundromat, Hot water wash bay.

Activated carbon cannot be used in a hot water filter as this will deactivate the carbon and reduce surface area.



Inline 10 inch filter housing / Inline candle filters

Inline filters are generally used where space requirements are an issue e.g. water cooler or the back of a fridge. Can be mounted on plastic quick release brackets for easy filter changes.

- Gasket Buna – N
- Housing body – polypropylene
- ¼ inch inlet and outlet
- Max pressure 8 bars
- Filter cartridges – candle cartridges slim
- Filter media can be loose packed using separator pads
- Different media types - Granular activated carbon, mixed bed resin, Clarofos, KDF, Ceramic
- Filter housing dimensions 315 mm length x 80 mm wide
- Colours available clear and white
- Max flow rate – 11 LPM
- Filter housings must be protected against freezing and direct sunlight.
- **Housings must be protected from water hammer.**

Candle cartridges



(Candle ceramic is also available
see ceramic cartridges for specs and
details)

- Max flow rates on carbon candle cartridges 4 LPM
- Max flow rates on Polyprop candle cartridges 11 LPM
- Maximum differential pressure - 1 bar

(Max Flow Rate - Carbon absorption capacity will be will drop at maximum flow rates)

Filter housing brackets



Slimline housings 1/4 inch

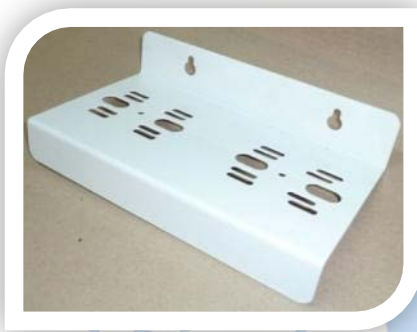


1/4 inch 1" standard housings



Large diameter (4" housing)

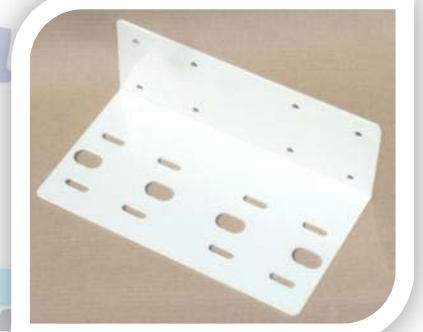
Single wall mounting brackets



Slimline 1/4, 1/2 inch bracket



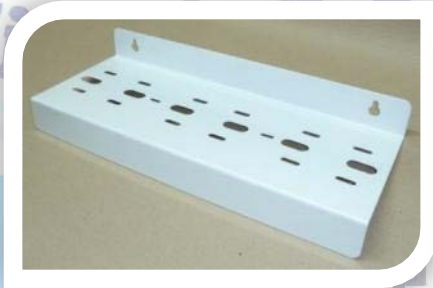
Double brackets
3/4, 1" inch standard bracket



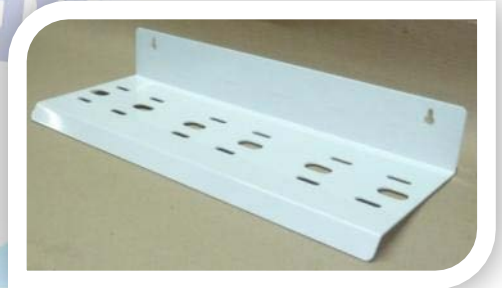
large diameter (4" housing)



Slimline 1/4, 1/2 inch bracket



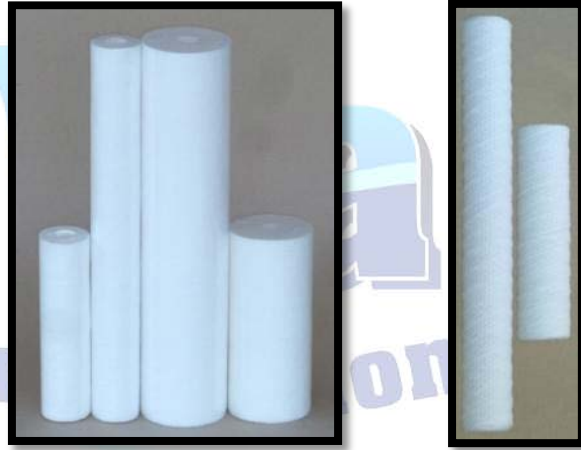
Triple brackets
3/4, 1" inch standard bracket



large diameter (4" housing)

All brackets are available in stainless steel.

(All stainless steel housings are supplied with single brackets)



Polypropylene / String wound filter cartridges

Poly prop

Melt blown filter Cartridges, give excellent life and good performance. Made with the latest Technology to prevent tunnel boring and give good performance with dirt holding capacity and good flow.

String wound

String wound filter Cartridges, give excellent life and good performance. And give good performance with dirt holding capacity and good flow. String wound filters have been around since the 1930s.

Specs

- 100 % polypropylene. (string wound may have a polypropylene inner core for extra strength)
- Minimum -Maximum operating temperature - 41 degree's F (5C) - 140 degree's F. (60C)
- Maximum operating differential pressure 1bar
- The Cartridge structures features excellent depth filtration due to good porosity.
- Standard cartridge Outer diameter is 63 mm and inner diameter is 27 mm.
- Large diameter cartridge Outer diameter is 112 mm and inner diameter is 27 mm.
- Polyprop The nominal Pore sizes available in: 0.2,1, 5, 10, 20, 30, 50µm.
- String wound The nominal Pore sizes available in: 1, 5, 10, 20, 30, 50, 75, 100µm.
- Polyprop Standard Lengths of: 10", 20", 30", and 40" (Other size are available on request)
- String wound Standard Lengths of: 10", 20" (Other size are available on request)
- Maximum flow rates standard - polypropylene and string wound

10"	19 lpm
20"	38 lpm
30"	40 lpm
40"	40 lpm
- Large diameter flow rate - polypropylene and string wound
 (Large diameter String wound on request only)

10"	25 lpm
20"	40 lpm
- WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



Pleated filter cartridges

Pleated filters may be used to filter liquids or gases with high efficiency. Pleated cartridges are manufactured from a durable polypropylene media. They are resistant to bacterial attack and compatible with a wide range of Chemicals. Ends are immersed in a thermo setting vinyl plastisol. Embedding and sealing each end of the pleat block in this fashion fuses components together to form a unitized end cap and gasket. The overlap seam is conically welded to reduce internal bypass, improving filtration efficiency.

- **100 % polypropylene fibre media.**
- Robust dirt holding capacity and long life.
- The high porosity of the media provides higher flow rates and dirt holding capacity, while maintaining extremely low pressure drop.
- **Longer filtration runs for fewer change-outs and less maintenance.**
- Pleated cartridges can be washed and reused depending on application of filter.
- Minimum temperature 41 degree's F (5C)
- Maximum operating temperature 140 degree's F. (60C)
- Maximum operating differential pressure 0.8 bar
- Standard cartridge Outer diameter is 63 mm and inner diameter is 27 mm.
- Large diameter cartridge Outer diameter is 112 mm and inner diameter is 27 mm.
- The nominal Pore sizes available in: 1, 5, 10, 20, 30, 50µm.
- Standard Lengths of: 10", 20", 30", and 40" (Other size are available)

- Maximum flow rates

10"	40 lpm
20"	70 lpm
30"	100 lpm
40"	130 lpm

- Large diameter flow rate

10"	40 lpm
20"	70 lpm

- WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



Screen mesh

Screen filter are used for filtering debris and sediment from water. Normally used as pre filtration for pumps to prevent pump impellor damage.

- Made from polypropylene
- Washable and can be reused.
- Minimum temperature 41 degree's F (5C)
- Maximum operating temperature 140 degree's F. (60C)
- Maximum operating differential pressure 0.8 bar
- Standard cartridge Outer diameter is 65 mm and inner diameter is 27 mm.
- The nominal Pore sizes available in: 20, 50µm, 100, 250 µm
- Standard Lengths of: 10", 20"
- Maximum flow rates

10"	20 lpm
20"	40 lpm

- WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



Carbon block

- Filter media - bonded power activated carbon
- End caps - polypropylene
- Netting – polyethylene
- Inner/Outer wraps – spun bonded Polypropylene
- Gaskets Buna-N
- High dirt holding capacity extends service life
- Excellent for pre-filtration or pre-treatment in RO applications
- High Chlorine taste and odour reduction
- Minimum temperature 41 degree's F (5C)
- Maximum operating temperature 140 degree's F. (60C)
- Maximum operating differential pressure 1 bar
- Standard cartridge Outer diameter is 65 mm and inner diameter is 27 mm.
- Large diameter cartridge Outer diameter is 112 mm and inner diameter is 27 mm.
- The nominal Pore sizes available in: 1, 5, 10µm.
- Standard Lengths of: 10", 20", 30", and 40" (Other size are available)
- Maximum flow rates

10"	3.8 lpm
20"	7.6 lpm
30"	11.4 lpm
40"	15.2 lpm
- Large diameter flow rate

10"	14.8 lpm
20"	29.6 lpm
- WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
(Max Flow Rate - Carbon absorption capacity will be will drop at maximum flow rates)

All carbon filters should be flushed to remove carbon fines before use.



Granular activated

Granular activated carbon filter for maximum contact time between water and carbon.
Excellent absorption and odour reducing capabilities.

- Excellent absorption of chlorine and chemicals.
- Water has to pass through the entire length of the cartridge.
- Body of filter and end cap – polypropylene
- A post filter should be installed after a GAC cartridge to prevent fines from entering the filter water.
- Maximum differential pressure - 1 bar
- Standard cartridge Outer diameter is 70 mm and inner diameter is 27 mm.
- Large diameter cartridge Outer diameter is 112 mm and inner diameter is 27 mm.
- Maximum flow rates

10"	9 lpm
20"	15 lpm
30"	21 lpm
40"	27 lpm

- Large diameter flow rate

10"	14 lpm
20"	22 lpm

- WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

(Max Flow Rate - Carbon absorption capacity will be will drop at maximum flow rates)

All carbon filters should be flushed to remove carbon fines before use.



Ceramic

Ceramic water filters are an inexpensive and effective type of water filter, that rely on the small pore size of ceramic material to filter dirt, debris, and bacteria out of water.

- Pore size of 0.9 micron
- Low flow rates
- Removes algae rust sediment, suspended solids
- Reduces the following harmful bacteria by a rate better than 99.99%
- E.coli ,Cholera,
- Ideally suited for applications where mains pressure is low or gravity filter application.
- Max pressure (6 bar)
- Maximum differential pressure - 1 bar
- Can be cleaned by hand with a abrasive material e.g. Pot scourer , sand paper
- Depending on incoming water quality ceramic flow can vary

- Flow rate - dimensions

10 inch ceramic cartridge	- 2 LPM
Dimensions	- 250mm x 65 mm
10 inch candle cartridge	- 2 LPM
(One end threaded)	
Dimensions	
Mineral pot dome ceramic	- Gravity feed only
(One end threaded)	
Dimensions	

- WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



Empty cartridges

Empty filter cartridges can be filled with any filtration media of your choice.

Flow rates are dependent on the media inside of the cartridge.

- Made from polypropylene.
- Gasket Buna –N
- Maximum differential pressure - 1 bar
- Standard cartridge Outer diameter is 70 mm and inner diameter is 27 mm.
- Large diameter cartridge Outer diameter is 112 mm and inner diameter is 27 mm.

• Clear Cartridge sizes

10"	clear
20"	clear

Opaque cartridges

10"	Cap colours – blue yellow white
20"	white

Large diameter cartridges

10"	white
20"	white

- WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



Linear cartridges

These cartridges are commonly known as polishing filters. These are generally used after your main filtration to clean up minute trace of contaminants, odours or to inject minerals.

- Made from polypropylene.
- 1/4 inch inlet and outlet
- Max temp 52 degrees
- Max pressure 8 bar
- Dimensions

Standard cartridge	250mm x 50mm
Large diameter	280mm x 60mm

Linear carbon filter - This filter contains granular activated carbon. Generally used for Reverse osmosis as the final polishing filter for taste and odour removal.

Standard cartridge	- flow rate - 1.8 LPM (approx 5000 litres)
Large Cartridge	- flow rate - 2.8 LPM (approx 10000 litres)

Mineral replacement filter - Mineral cartridge is used after the reverse osmosis or deionised process to re-introduce beneficial minerals into the water e.g. calcium and magnesium

Standard cartridge	- flow rate - 1.8 LPM
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Bio ceramic filter - Activates water molecules resulting in more alkaline water, balancing the pH of the water.

Standard cartridge	- flow rate - 1.8 LPM
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Polyprop filter – Used to remove sediment particles down to 5 micron

Large Cartridge	- flow rate - 2.8 LPM
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- WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

(Max Flow Rate - Carbon absorption capacity will be will drop at maximum flow rates)

- All carbon filters should be flushed to remove carbon fines before use.



Ultra filter cartridges

Ultra filters are used to remove fine sediment and bacteria from water. Ultra filtration cartridge removes particles of 0.2 μm (micron) or larger. Water filtered using ultra filtration is cleaner than water filtered using micro filtration or ceramic filtration ultra filtration cartridge is very durable and has a greater water output.

There should always be a Polyprop sediment filter installed before an ultra filter

- Pore size 0.2 micron
- Max temperature 38 degrees
- Min temperature 5 degrees
- Max pressure 4 bar
- Unlike reverse osmosis which strips natural minerals that are healthy to human body from the water and makes the water more acidic, ultra filtration membrane retains healthy minerals in water and does not change the pH of water.
- The outside of an ultra filter can be washed of debris and reused. Acid can also be used to dissolve away the debris if the ultra filter still remains blocked.
- Membrane characteristics Hydrophilic Double Skin
- Hollow-fibre membrane material Polyacrylonitrile (PAN) Modified
- Chlorine resistant
- Depending on incoming water quality ultra filter flow can vary

Should not be used were feed water contains iron

- Maximum flow rates - dimensions

10"	5 LPM (no outer casing) (Can be used in a small RO membrane housing)
10"	5 LPM (cartridge type)
20"	10 LPM (cartridge type)
- Standard cartridge Outer diameter is 63 mm and inner diameter is 27 mm.



KDF-GRANULAR ACTIVATED CARBON CARTRIDGES

KDF/GAC cartridges contain a granular zinc copper alloy (KDF55) this medium removes impurities from water by exchanging electrons with them in a redox (oxidation/reduction) reaction. In addition to chlorine, this highly efficient, long lasting, recyclable medium also controls microorganisms and removes heavy soluble metals,

- The KDF55 medium is separated by a filter pad within the cartridge from coconut the shell based granular activated carbon which is highly effective at reducing certain organic chemicals such as EDB, TCE, and THM's in addition to reducing chlorine. A fine pre and post filter screen is incorporated to reduce carbon fines and other suspended particles.
- However, flushing of these cartridges is necessary to remove remaining carbon fines. Cartridges are engineered to allow water to enter one end and pass through the entire bed of KDF/carbon before exiting through the other end, ensuring maximum absorption.
- The use of the KDF55 medium ahead of the granular activated carbon in this cartridge removes more than 95% of the chlorine in your water before it reaches the carbon. This preserves the carbon's capacity, freeing the carbon to remove organic contaminants more efficiently and extending the carbon's service life up to 15 times.
- KDF55 media also removes heavy metals and dissolved organic content
- The body and end caps of this cartridge are constructed of polypropylene
- Gasket Buna-n
- The maximum operating temperature of the cartridge is 52 deg. C
- Standard cartridge Outer diameter is 70 mm and inner diameter is 27 mm.
- Large diameter cartridge Outer diameter is 112 mm and inner diameter is 27 mm.

- Maximum flow rates

10"	9 LPM
20"	15 LPM

- Large diameter flow rate

10"	14 LPM
20"	22 LPM

All carbon filters should be flushed to remove carbon fines before use.

(Max Flow Rate - Carbon absorption capacity will be will drop at maximum flow rates)

- WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

REVERSE OSMOSIS

Reverse Osmosis units are available in many different configurations and sizes depending on your requirements.

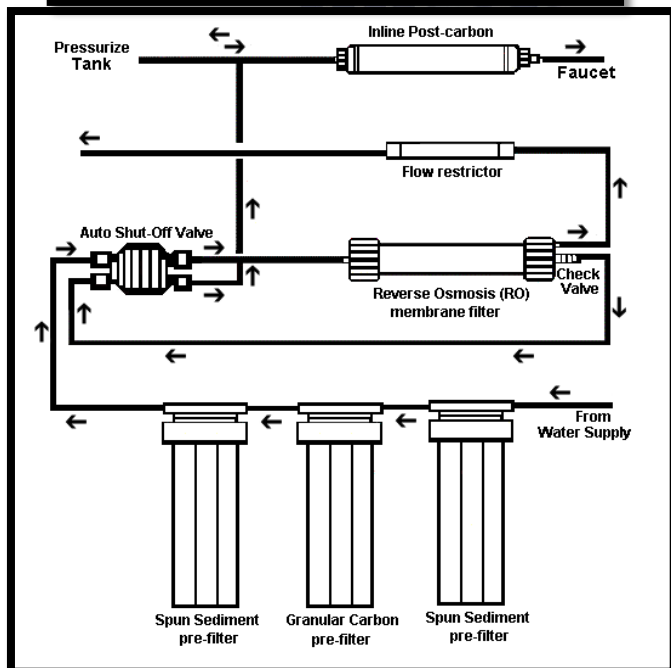
Units Start from 50 gallons a day (GPD) and up.

Common reverse osmosis sizes (All flow rates are maximum flow rates @ 15% recovery per membrane @ 25 degrees)

50 GPD
100 GPD
200 GPD
300 GPD
400 GPD
600 GPD
1500 GPD
3000 GPD
4500 GPD
6000 GPD
12000 GPD
18000 GPD



- Mild and Stainless steel frames are available from 1500 GPD and up.
- Different configurations will give different recovery rates from 15%-60%
- Fibre housings are available for brackish water applications.



MEMBRANE HOUSINGS



Fibre wrapped low and high pressure

Housing code	Pressure rating	Dimensions length- diameter
4040	250 psi-(17 bar)	1180mm x 125mm
4040	1000 psi-(68 bar)	1230mm x 140mm
8040	250 psi-(17 bar)	

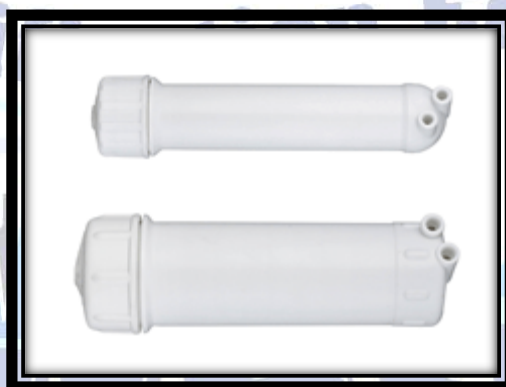
Different size Ro membranes housings are available but require 8 weeks for delivery



Stainless steel

Housing code	Pressure rating	Dimensions length- diameter
2521	250 psi (17 bar)	600mm x 80mm
2540	250 psi (17 bar)	1070mm x 80mm
4021	250 psi (17 bar)	600mm x 120mm
4040	250 psi (17 bar)	1080mm x 120mm

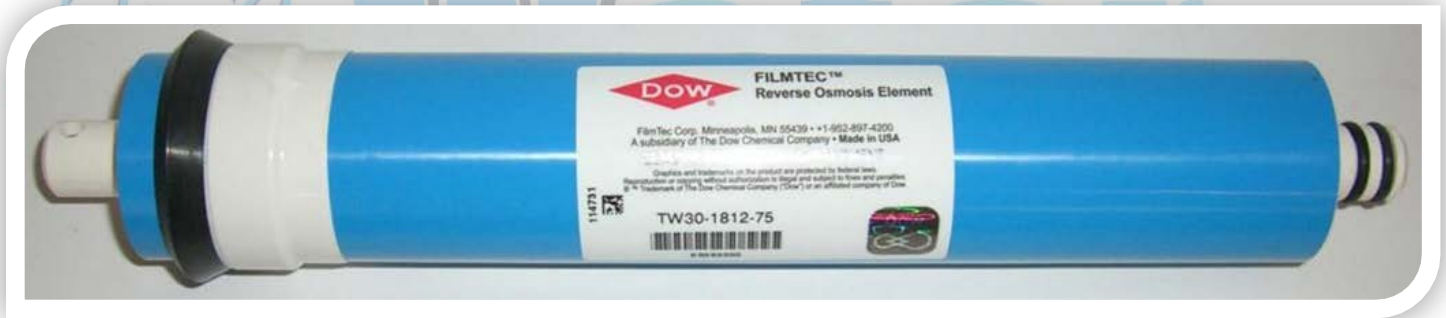
Different size Ro membranes housings are available but require 8 weeks for delivery



Small membrane housing

Housing code	Pressure rating	Dimensions
1812-50	117 psi (8 bar)	320mm x 80mm
3012-300	117 psi (8 bar)	330mm x 120mm

MEMBRANES



Filmtec

Filmtec membranes are one of the best membranes in the industry. We keep a large range of these membranes. These membranes give consistent performance and quality.

Common sizes we keep in stock

TW30-1812-50 TW30-1812-100
TW30 4040 - BW30 4040 - XLE 3040 - BW30 365 -BW30 400

Vontron



A quality membrane with high performance.

Common sizes we keep in stock

ULP1812-50, ULP2012-100, ULP-3012, ULP21-4040






(OTHER SIZES ARE AVAILABLE ON REQUEST)

RO - TANKS



- Mild steel Reverse osmosis pressure tanks
- Bladder is pressurised to 1 bar
- 12 litre and 40 litre tanks are available

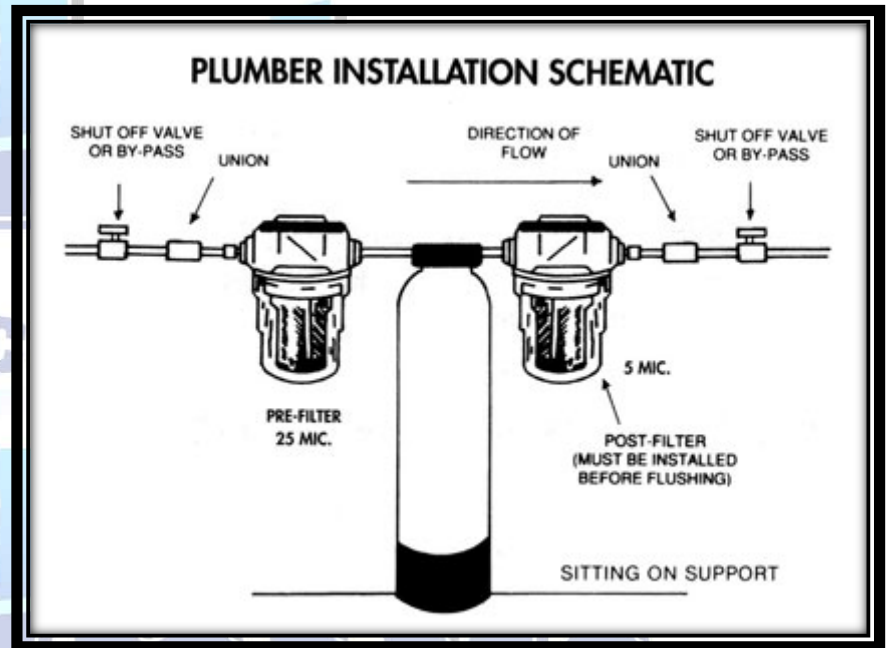
MINERAL POTS

  	 
<p>Desktop mineral pot</p> <p>Ceramic dome filter to remove bacteria and sediment. Carbon filter to improve taste and remove chemicals. E.g. chlorine. Bio ceramic and Zeolite to maintain ph</p> <p>Coral calcium to add minerals.</p>	<p>Water cooler mineral pot</p> <p>Ceramic dome filter to remove bacteria and sediment. Carbon filter to improve taste and remove chemicals. E.g. chlorine. Bio ceramic and Zeolite to maintain ph</p> <p>Coral calcium to add minerals.</p>

UNDER COUNTER / COUNTER TOP

Domestic Filters singles doubles and triples. There are multiple setups and cartridges available for different applications. These filters come with their own water mains connections, tubing, faucet, spanner, fittings for DIY installation. (With exception of the $\frac{1}{2}$ $\frac{3}{4}$ and 1 inch housings which are normally plumbed inline)





FRP WHOLE HOUSE SYSTEM

Stage 1 / Pre-filter - At the first stage, the raw water enters a 10 micron pre-filter cartridge to remove any heavy sediment. Then, the raw water enters the distribution tube and travels through the distribution basket.

Stage 2 / Main Filter Tank - From here, water is dispersed through the KDF media which removes inorganic contaminants such as lead and other heavy metals, chlorine a function which carbon alone cannot do.

Stage 3 / Main Filter Tank - In the third stage, chlorine, volatile organic chemicals (VOC's) such as THM's bad tastes and odours, are removed by adsorption into the bed of granular activated carbon (GAC). These granules form a maze of torturous paths through which the water flows. These serve as "parking spaces" for the contaminants.

Stage 4 / Post-filter - Finally, the filtered water exits the main chamber and passes through a 5 micron post-filter which catches any carbon fines that might leave the unit upon initial flush. Clean, fresh water is then ready to use throughout your entire home!

Dual Media - Point of Entry System features. Media is a combination KDF 55 with other medias and is unparalleled in Chlorine removal and heavy metal reduction. Consisting of a high purity copper-zinc formula, it's an NSF approved media that drastically extends the life of a carbon based filter. It is 100% recyclable and has no chemical additives.

KDF 55 Media is used in chlorine removal applications in conjunction with granular activated carbon. KDF 55 strips the chlorine from the water before the water contacts the carbon. The carbon, not being burdened with the job of chlorine removal is then free to perform higher level carbon filtration. Such as removal of chemical contaminants including Volatile Organic Chemical (VOC's) and Trihalomethanes (THM's). Using KDF media in conjunction with granular activated carbon extends the life of the media bed significantly over using carbon alone. That means longer service runs before replacement of the media is required.

Point-of-Entry (P.O.E.) - Fresh, filtered water from every tap in your home. Shower in chlorine-free water. Makes all beverages enjoyable and taste natural. Eliminates the need to carry home or bring in bottled water. Plus, whole house water filter systems help to prolong the life of plumbing components and fixtures.



FIBRE WRAPPED POLYETHYLENE CYLINDER

Material of construction

Inner shell material: Polyethylene

Available inlets: See chart

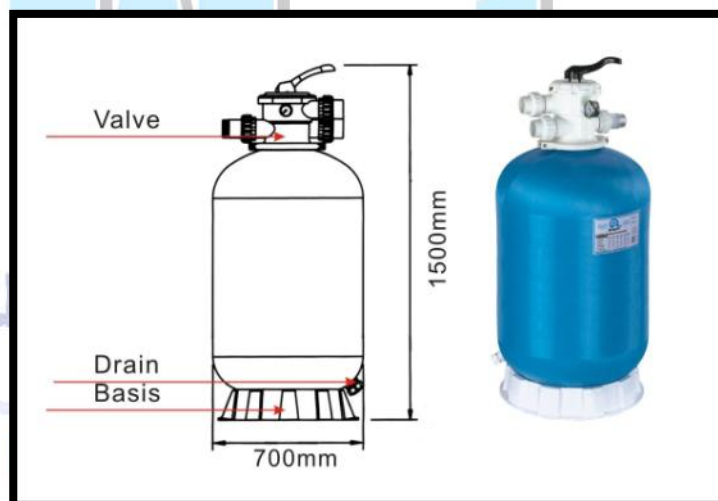
Operating parameters

Maximum operating pressure: 1.02MPa (10.2 BAR)

Maximum operating temperature: 40°C (104°F)

Frp Code and Inches	Frp vessel (mm)	A Diameter (mm)	B Without Base (mm)	C Height With Base (mm)	Top Opening (In)	Bottom Opening (In)	Capacity Litres
FRP-07X24	170X610	181	610	645	2.5	N/A	15
FRP-08X35	200X890	206	890	905	2.5	N/A	25
FRP-09X48	220X1215	232	1215	1230	2.5	N/A	48
FRP-10X54	240X1370	257	1375	1390	2.5	N/A	62
FRP-12X52	300X1320	308	1320	1340	2.5	N/A	84
FRP-13X54	330X1370	334	1370	1405	2.5	N/A	104
FRP-14X65	350X1620	360	1620	1640	2.5	N/A	154
FRP-16X65	400X1620	410	1620	1640	2.5	N/A	185
FRP-18X65	450x1650	470	1665	1902	4	6	253
FRP-20X72	500X1800	520	1800	1980	4	6	337
FRP-24X72	600-1800	620	1800	2030	4	6	480
FRP-30X72	750X1800	775	1800	2020	4	6	740
FRP-36X72	900X1800	925	1800	2090	4	6	1071
FRP-40X72	1000X1800	1025	1800	2418	6	6	1282

MULTI PORT FIBER WRAPPED VESSEL



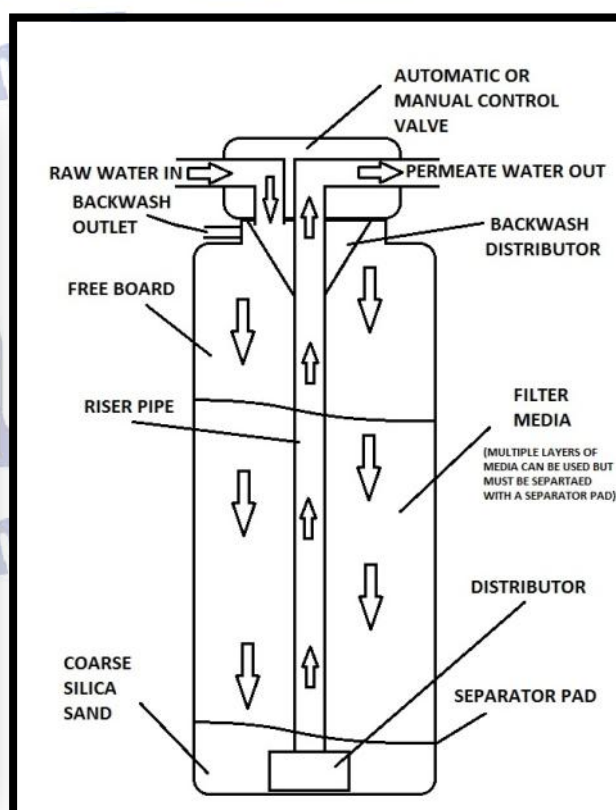
- MAXIMUM OPERATING TEMPERATURE 5-40 DIGRESS

MODEL	HEIGHT	DIAMETER	MAX TEMP	FLOW RATE	MAX PRESSURE	SAND (KGS)	INLET SIZE
SG-18	815mm	450mm	40 digress	133 LPM	3 BAR	40	40 mm
SG-21	880mm	525mm	40 digress	192 LPM	3 BAR	85	40 mm
SG-25	1005mm	625mm	40 digress	270 LPM	3 BAR	155	40 mm
SG-28	1100mm	700mm	40 digress	320 LPM	3 BAR	185	40 mm
SG-30	1180mm	750mm	40 digress	390 LPM	3 BAR	200	50 mm

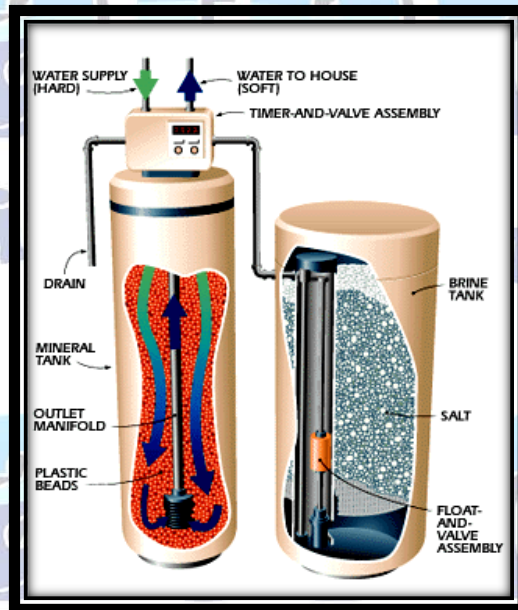
Fibre Wrapped Mutli-Media Vessels

Fibre wrapped vessels are used for filtering water with multiple different types of media.

- They give excellent bed depth.
- Give good flow rates and contact time with media.
- Can be loaded with many different types of media. E.g. (sand, carbon, resin, garnet, bio balls)
- Can be fitted with an automatic, manual backwash valve or in/out valve.
- The media can be backwashed or-regenerated depending on valve configuration.
- Can easily be backwashed. Backwash-can also be automated.
- Maximum pressure rating 10 bars
- Can have multiple layers of media-in one vessel.



WATER SOFTENERS



Dissolved calcium and magnesium precipitate out of hard water as scale, which builds up on the insides of pipes, water heaters, kettles, coffee makers and industrial machinery. Scale reduces flow through pipes and is a poor conductor of heat. Eventually, pipes can become completely clogged.

Hard water reduces soap's ability to lather, whether in the shower, sink, dishwasher or washing machine, and reacts with soap to form a sticky scum.

Water softeners remain the least costly and most effective way to rid your water of troublesome minerals.

Water softeners operate on a simple principle: Calcium and magnesium ions in the water switch places with more desirable ions, usually sodium. The exchange eliminates both of the problems of hard water because sodium doesn't precipitate out in pipes or react badly with soap. The amount of sodium this process adds to your water is quite small -- less than 12.5 milligrams per 237 milliliter glass.

Water softeners come in many different sizes. A water softener takes about 1 hour to do a complete backwash cycle.

The backwash cycle is normally programmed for 2 am in the morning.

Salt (NaCl) is used in the backwash cycle to backwash and exchange minerals for Sodium. The salt is kept in a brine tank which the water softener will draw out of the brine tank for the regeneration process.

To correctly size a water softener you will need the hardness level of the water measured in PPM and the amount of water you need in 24 hours.

BROMINE / CHEMICAL FEEDER

Brominator with a super acid/alkali-resistant FRP inner liner is suitable for treatment of water with solid biocides or other corrosive water chemicals, efficient and easy-operation. Continuous filament wound FRP makes the vessels more durable. Multiple sizes are available on request.

Materials

- Inner liner: Acid/Alkali- resistant FR
- Opening available: See the table

Operation Parameters



- Max. Operation pressure: 0.4MPa (4.0 BAR)
- Max. Temperature: 40°C (104°F)
- Bottom inlet and drain connection.
- Top opening with threaded, gasket closure.

SIZE	DIAMETER	HEIGHT WITHOUT BASE	HEIGHT WITH BASE	TOP OPENING	BOTTOM OPENING	INLET	OUTLET
DBF8	210	1100	1300	2.5 INCH	2.5 INCH	2 INCH	2 INCH
DBF12	310	1300	1500	4 INCH	4 INCH	2 INCH	2 INCH
DBF20	515	1100	1340	4 INCH	4 INCH	2 INCH	2 INCH



Automatic backwash valves


Runxin

Max Flow Rate	Max Pressure	Type	Backwash time	
4.5 m3	6 bar	Sand	Day	
Digital Valve 2.5 inch base, Riser pipe inlet 25mm 32mm inlets and outlets Waste water outlet 32mm Can be set to regen by time or volume (including transformer)				
4.5 m3	6 bar	Sand	Hourly	
Digital Valve 2.5 inch base, Riser pipe inlet 25mm 32mm inlets and outlets Waste water outlet 32mm Can be set to regen by time or volume (including transformer)				
4.5 m3	6 bar	Softener	Day	
Digital Softener Valve 2.5 inch base, Riser pipe inlet 25mm 32mm inlets and outlets Waste water outlet 32mm Can be set to regen by time or volume (including transformer)				
10 m3	6 bar	Sand	Day	
Digital Valve 4 inch base, Riser pipe inlet 50mm 63mm inlets and outlets Waste water outlet 63mm Can be set to regen by time or volume (including transformer)				
10 m3	6 bar	Softener	Day	
Digital Valve 4 inch base, Riser pipe inlet 50mm 63mm inlets and outlets Waste water outlet 32mm Can be set to regen by time or volume (including transformer)				
18 m3	6 bar	Sand	Day	
Digital Valve 4 inch base, Riser pipe inlet 50mm 63mm inlets and outlets Waste water outlet 63mm Can be set to regen by time or volume (including transformer)				

Max Flow Rate	Max Pressure	Type	Backwash time
40 m3	6 bar	Sand	Day
40 m3	6 bar	Softener	Day

Digital Valve

Top and bottom inlet – outlet to filter 90mm
75mm inlets and outlets
Waste water outlet 75mm
Regen by day
(including transformer)
Comes with base stand
(softener model brine line ¾ inch)





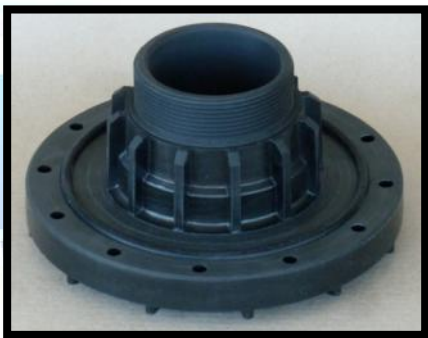
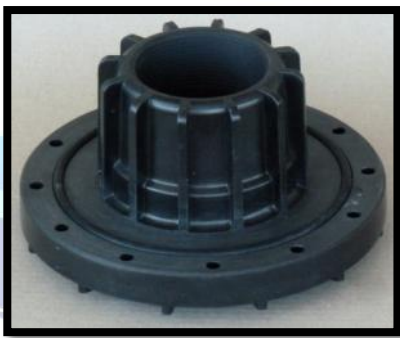
FRP VESSEL VALVES

			
2.5 inch in/out head No backwash 32mm inlet outlet waste riser pipe inlet 32mm	4 inch in/out head No backwash 63mm in riser pipe inlet 50mm let outlet waste	2.5 inch backwash valve Filter, backwash, rinse 32mm inlet outlet waste riser pipe inlet 32mm	4 inch backwash valve Filter, backwash, rinse 63mm inlet outlet riser pipe inlet 50mm waste outlet 50mm

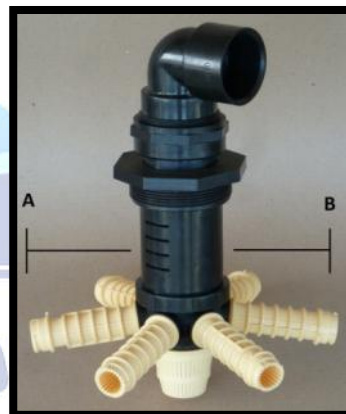
FRP VESSEL DISTRIBUTORS

			
<p>Top backwash distributor glue 32mm /25mm (for 2.5 inch Frp vessels)</p>	<p>Top backwash distributor 50mm threaded (for 4 inch Frp vessels)</p>	<p>Top backwash distributor 50mm glue (for 4 inch Frp vessels)</p>	<p>Base distributor 50mm Glue (for 4 inch Frp vessels)</p>
			
<p>Base distributor 25 mm glue (for 2.5 inch Frp vessels)</p>	<p>Base distributor 32 mm glue (for 2.5 inch Frp vessels)</p>	<p>Top backwash distributor 25 mm Twist lock (for 2.5 inch Frp vessels)</p>	<p>Top backwash distributor 32 mm Twist lock (for 2.5 inch Frp vessels)</p>

BASE DISTRIBUTORS

		
4 inch to 2.5 inch FRP reducer	4 inch cap FRP	
		
Top backwash distributor threaded (for 6 inch Frp vessels)	Top bolt on male threaded adapter for backwash distributor (for 6 inch Frp vessels) 90 mm glue inlet	Bottom bolt on female threaded adapter for base distributor (for 6 inch Frp vessels) 90 mm glue inlet

We are always expanding
Our base distributor range
Call us if you require something
different



Model	Frp vessel inlet size- threaded or bolt on		Diameter across fingers A to B
4-260	4 inch Frp thread	Base distributor	260mm diameter
4-370	4 inch Frp thread	Base distributor	370mm diameter
4-450	4 inch Frp thread	Base distributor	450mm diameter
4-600	4 inch Frp thread	Base distributor	600mm diameter
8-870	6 inch Frp bolt on	Base distributor (used in conjunction with Bottom bolt on female threaded adapter for base distributor)	870mm diameter

DISC FILTERS

Product Overview :

The manual disc filter consists of core, shell and valve body. The core includes discs of particular precision and internal ABS support. During filtration, the discs are pressed tightly when water flows by, so foreign materials are blocked outside the discs or in the grooves. When the pressure drops up to a certain value, the disc filter needs to be cleaned. Open the disc filter, loosen and clean discs, finally reassemble.



Technical Parameters :

- Water pressure -----0.15—0.6MPa
- Water temperature -----5°C-50°C
- Media PH value-----4-13
- Inlet/Outlet-----1" - 2" male
- Drain-----1/2-3/4 male
- Water capacity m3/h-----6m3/h to 20m3/h
- Filtration accuracy----- 150 (μm)
- With low operation cost, long life and reliable service.
- Good performance and corrosion resistance.



FILTER MEDIA

We keep a variety of different filter media.

<p style="text-align: center;">Silica sand</p> <p>Silica Sand-crystalline Silica (Quartz) for filter beds. For removing high volumes sediment cost effectively.</p>	
<p style="text-align: center;">Activated carbon</p> <p>Our activated carbon is a very high grade carbon with a 8x30 mesh for maximum surface area while keeping a good flow rate and excellent absorption</p>	
<p style="text-align: center;">Water softening resin/ Mixed bed resin</p> <p>To remove calcium and magnesium from water to produce softened water To remove all Cat ion and anions to acquire a very high purity, quality of water.</p>	
<p style="text-align: center;">Iron removal media</p> <p>Iron Removal over wide pH-range. Effective removal of hydrogen sulphide in addition to iron and/or manganese</p>	
<p style="text-align: center;">Kdf 55/85</p> <p>KDF Process Media are used in a variety of pre-treatment, primary treatment, and wastewater treatment applications. KDF water filter media extend the life of granular activated carbon (GAC) while protecting the carbon bed against fouling by bacterial growth. (Kdf 85 for sulphide removal)</p>	
<p style="text-align: center;">Active alumina</p> <p>Extraction of Fluorides from borehole, stream and mine water</p>	
<p style="text-align: center;">Polyphosphate</p> <p>Antiscalant, corrosion inhibitor with its ability to create passivity film on the surface of distribution pipe. Prevents sediment build up in pipes.</p>	

CONDUCTIVITY METERS

HM DIGITAL

	<p>SPECIFICATIONS Range: 0 - 9990 ppm (mg/L) Resolution: 1 ppm (0-999 ppm); 10 ppm (1000-9990 ppm) Accuracy: +/- 3% Conversion Factor: NaCl (avg. 0.5) Power source: 2 x 1.5V button cell batteries (included) (357A) Battery life: Approx. 1000 hours of usage Dimensions: 15.5 x 3.1 x 2.3cm (6.1 x 1.25 x 1 inches) Meter weight: 56.7g Weight with package: 76.5g</p>
	<p>SPECIFICATIONS TDS Range: 0-5000 ppm (mg/L) Temperature Range: 0-80 °C; 32-176 °F Resolution: 1 ppm; Temp. resolution is 0.1 °C/F Accuracy: +/- 2% Conversion Factor: NaCl (avg. 0.5) Calibration: Digital calibration by push button. Housing: Water-resistant Power source: 1 x 3V button cell (included) (model CR2032) Dimensions: 15 x 2.8 x 1.3 cm (5.9 x 1.1 x .5 inches) Weight: 42.5 g</p>
	<p>SPECIFICATIONS TDS Range: 0 - 9990 ppm (mg/L) Temp. Range: 0 - 80 degrees Celsius Resolution: 1 ppm, 1 degree Celsius (also available in 10 ppm) Accuracy: +/- 2% Conversion Factor: NaCl (avg. 0.5) ATC: Built-in sensor for Automatic Temperature Compensation of 1 to 50 degrees Celsius (33 to 122 degrees Fahrenheit) Power source: 2 x 1.5V button cell batteries (included) (357A) Battery life: 1000 hours of usage Dimensions: 15.5 x 3.1 x 2.3cm (6.1 x 1.25 x 1 inches) Weight with case: 76.5g Weight without case: 56.7g</p>
	<p>SPECIFICATIONS TDS/EC Range: 0-5000 ppm (10,000 µS) Max. Set Point: 50 ppm (100 µS) Accuracy: ±3% ATC: No Cable Length: 24.5" (including sensor) Fittings: 1/4" Power source: 4 x 1.5V button cell batteries (included) Battery life: Approx. one year Size: 7.6 x 2 x 4.7 cm (3 x .8 x 1.9 in.) Weight: 39.7 g (not including sensor)</p>



SPECIFICATIONS

Range: 0-9990 ppm
Accuracy: $\pm 2\%$
Conversion Factor: NaCl (avg. 0.5)
Cable Length: 24.5" (including sensor)
Fittings: 1/4" standard, also available with 3/8" or 1/2"
Power source: 2 x 1.5V button cell batteries (included)
Battery life: approx. 1000 hours of continuous use
Size: 7.6 x 2 x 4.7 cm (3 x .8 x 1.9 in.)
Weight: 79.4 g



SPECIFICATIONS

Range: 0-9990 ppm
Accuracy: $\pm 2\%$
Conversion Factor: NaCl (avg. 0.5)
Cable Length: 24.5" (including sensor)
Fittings: 1/4" standard, also available with 3/8" or 1/2"
Power source: 2 x 1.5V button cell batteries (included)
Battery life: approx. 1000 hours of continuous use
Size: 7.6 x 2 x 4.7 cm (3 x .8 x 1.9 in.)
Weight: 79.4 g



SPECIFICATIONS

Range: 0-9990 ppm
Accuracy: $\pm 2\%$
Conversion Factor: NaCl (avg. 0.5)
Cable Length: 46" (including sensor)
Calibration: Factory calibrated to NaCl 342 ppm. Re-calibration can be done separately for each line, or simultaneously for both.
Power source: 2 x AA batteries (included)
Battery life: Approx. 12-18 months
Size: 11.6 x 6.8 x 1.8 cm (4.6 x 2.6 x .7in.)
Weight: 201.3 g



SPECIFICATIONS

EC Range: 0-9999 μS
TDS Range: 0 - 5000 ppm
Temperature Range: 1-75°C; 33-167 °F
Accuracy: $\pm 2\%$
Conversion Factor: NaCl (avg. 0.5)
Resolution: 0.1 $\mu\text{S/ppm}$ (0-999); 1 $\mu\text{S/ppm}$ (1000-9999)
ATC: Yes (1 - 65°C)
Calibration: Adjustable (manual)
Setting: Controlled by on-screen up/down buttons
Relay Control: The unit will open or close a circuit via dry contacts when the ppm/ μS level reaches or exceeds the control setting (simple switch). It can be used to control a pump, solenoid valve or other device. Relay Voltage: 5V
Alarm: Optional steady beep (set by user)
Display: Bright 5/8" L.E.D. display
Probe: 1/2" bushing, 3 meter (9.8 ft) shielded cable
Power supply: AC 220V
Dimensions: 7.2 x 7.2 x 10.2 cm (2.8 x 2.8 x 4 in.)
Monitor Weight: 476 g Total Weight: 680.4 g



SPECIFICATIONS

TDS Range: 0 - 5000 ppm (CIC-152); 0 - 8500 ppm (CIC-152-4)

EC Range: 0 - 9999 μ S

Temperature Range: 1-80°C; 33-176°F

Accuracy: $\pm 2\%$ (of the reading)

Resolution: 0.1 ppm (0-999); 1 ppm (1000-9999)

ATC: Yes (1 - 80 degrees Celsius)

Calibration: Digital (by push button)

Factory Calibration: 1413 μ S

Set Points: Adjustable by push button. Control Point 2: Maximum TDS Limit. Control Point 1: Lower TDS Level.

Relay Control: The unit will transmit an analogue signal (simple switch) via open or closed contacts to a device (e.g. pump) when the ppm/ μ S level reaches the maximum limit (Control Point 2) or the minimum limit (Control Point 1). The contacts are switched back to the normal position once the TDS returns to the acceptable range.

Relay Voltage: 5V (attached devices must have their own power supply)

Alarm: Two independent alarms (set by user)

Display: Bright 5/8" L.E.D. display

Probe: 1/2" bushing, 3 meter shielded cable (model SP-1-PSC)

Power supply: AC 110V / AC 220V

Dimensions: 7.2 x 7.2 x 11.1 cm (2.8 x 2.8 x 4.4 in.)

Monitor Weight: 476 g (1 lb .8 oz)

Total Weight: 680.4 g (1 lb 8 oz)

Create TDS Monitor



Measurement range:	0 ~ 20 0 ~ 200 0 ~ 2000 μ S/cm
Accuracy	1.5% (FS)
Stability	$\pm 2 \times 10^{-3}$ (FS) / 24h
Auxiliary electrode	Plastic structure; constant: 1.0cm -1
Temperature compensation component	NTC
Medium temperature	5 ~ 50 °C
Thread dimension	1/2" pipe thread
Medium pressure	0~0.5Mpa
Cable composition	Quad cable, copper mesh and foil shielded plastic jacket
Cable length	5m Standard
Temperature compensation	Automatic temperature compensation (25° is the base temperature reference)
Display	3.5-bit LCD
Power supply	AC 220V $\pm 10\%$ 50Hz
Power consumption	≤ 1 W
Environment conditions	Temperature: 5 ~ 50°C(2) Humidity: $\leq 85\%$ RH
Dimensions	48 x 96 x 100mm (height x width x depth)
Slot dimensions for installation	45 x 91mm (height x width)

SOLENOID VALVES

- Valve sizes $\frac{1}{2}$, $\frac{3}{4}$, 1, 1.5, 2inch
- -5 degrees to 80 degrees
- Maximum coil temperature 90 degrees
- 220 volts (splash proof cover and gland)
- Naturally open and naturally closed valves are available



STAINLESS STEEL & PVC BAG FILTER HOUSINGS

Bag filter systems are designed for high flow rates and high sediment holding capacity. The filter liquid enters through the top of the bag and is filtered from the inside to the outside of the bag. This reverse filtration allows bigger sediment particles to settle in the base of the bag. While smaller sediment particles filter through the side walls extending the life of the filter bag. The filter bags are locked in place with a locking ring and pressure is applied to the locking ring with a wing nut for a tight seal to prevent bypass. Bag filters allow for quick bag filter changes to keep down time to a minimum. There are also two pressure gauge entry's so the pressure differential can be monitored for optimal bag usage and replacement. Different types of filter bags are available for specific filter application. Bag filters have multiple uses for filtering large volumes of low and high viscosity fluids. A Bag filter consists of three parts, filter housing (including lid), internal stainless steel mesh basket and filter bag. The stainless steel mesh bag support basket allows for a greater differential pressure drop between inside and outside of the filter bag and helps support the bag as well as prevents filter bag damage.

Features & Benefits:

Easy to operate & low maintenance
 Low pressure drop
 Low down time between filter bag replacement
 Quick lock flange to avoid bypassing
 Suitable for PP Collar, Rigid Ring
 Large-area, heavy-duty baskets (300 micron)
 All lids and mesh baskets are O-Ring sealed
 All housings made from SS 316 L, SS 316 & SS 304

Housings are electro-polished or bead blasted both inside and outside to prevent dirt and scale build up.
 Quick opening lid – swing bolt design (larger bag filters have swivel arm design for easy maintenance)
 Maximum operating pressure stainless steel 10 bar (150 PSI) - 6 BAR PVC (88 PSI)



STAINLESS STEEL - SINGLE BAG FILTERS

(316 stainless bag filters are available on request)

MODEL	Bag model	Inlet	Bag size & qty In each housing	Tank material SS304
SSBF-SL	TYPE 1 20,000Lph flow rate maximum	2 inch female	7"X17"/1PCS single length bag	SS304/3.0 mm
SSBF-DL	TYPE II 40,000Lph Flow Rate maximum	2 inch & 3 inch female	7"X32"/1PCS Double length bag	SS304/3.0 mm



PVC BAG FILTERS

Model	Flow rate	Bag size & qty In each housing	Max pressur e	Inlet outlet	Tank material
BAG- PVC-SL	15,000 LPH MAX	7"X17"/1PCS	6 bar	Flange 2"	PVC
BAG- PVC-DL	25,000 LPH MAX	7"X32"/1PCS	6 bar	Flange 2"	PVC



STAINLESS STEEL - MULTI BAG FILTERS

MODEL	Flow rate	Inlet/outlet	Bag size & qty in each housing	Tank material SS304
SSBF-2BAG-DL	80000 lph	80mm flange	7"X32"/2PCS	SS304/3.0mm
SSBF-3BAG-DL	120000 lph	160mm flange	7"X32"/3PCS	SS304/3.0mm
SSBF-4BAG-DL	160000 lph	160mm flange	7"X32"/4PCS	SS304/3.0mm
SSBF-5BAG-DL	200000 lph	160mm flange	7"X32"/4PCS	SS304/3.0mm



STAINLESS STEEL - MULTI CARTRIDGE FILTERS HOUSINGS

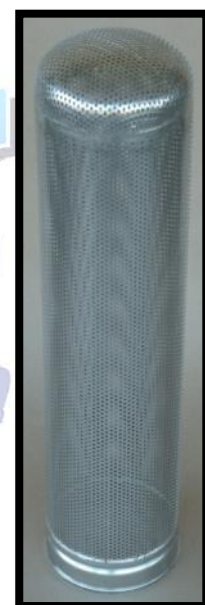
MODEL	CARTRIDGE LENGTH	INLET/OUTLET	FLOW RATE	TANK MATERIAL
SS-MULTI-10-30	10 X 30 INCH CARTRIDGE	2 INCH	30000 LPH	SS304/3.0mm
SS-MULTI-10-40	10 X 40 INCH CARTRIDGE	3 INCH	45000 LPH	SS304/3.0mm



FILTER BAGS





- Filter bags are used in application of high flow rates.
- Filter bags are commonly made from 2 materials polypropylene or polyester
- Polyester is sewn together. (also known as needle felt)
- Polypropylene is spun bond. (Melted together).
- Polyester - Polypropylene are ideal for water, acids, corrosive chemicals, food products, and more.
- Filter bags have a stainless ring or crush seal. This helps prevents bypass. The crush seal is all used for chemical compatibility were the stainless ring would be corroded.
- Filter bags can be used at temperatures up to 200F.
- Filter bags have their outside surface singed or glazed to prevent fibres' from the bag getting into the permeate water line.
- Polypropylene filter bags provide depth filtration.
- Polypropylene construction provides strength, and durability.
- Filter bags are available from 1 to 200 micron.
- Filter bags are available in multiple lengths, diameters and custom sizes.
- Filter bags are of welded construction to prevent bypass by sewing material.
- Filter bags can be disposed of by incineration.

(There are certain chemicals that are not compatible with bag filters
please check before implementing bag filters with any chemicals)



WATER PUMPS

Reverse osmosis diaphragm pumps

<p>50gpd – 100gpd Reverse osmosis pump 24 volt</p>		
<p>200 gpd – 600 gpd Reverse osmosis pump 24 volt</p>		

CENTRIFUGAL PUMPS

<p>We keep centrifugal pumps in stock (220 volt)</p> <p>0.37 kw, 0.75kw, 1.1 kw</p> <p>Can be linked to a flow controller</p> <p>Other models and sizes are available on request</p>	
<p>Ro feed water pumps (220 volt)</p> <p>0.75, 1.1kw</p> <p>Can be linked to flow controller</p> <p>Other models and sizes are available on request</p>	
<p>Flow controller (220 volt)</p> <ul style="list-style-type: none"> Automatically starts pump when pressure drops. Maintains pressure at 3 bars. Has a pressure gauge to monitor pressure and Reset button. 32mm inlet and outlet 	

MULTISTAGE PUMPS

Reverse Osmosis Main pump (220 volt)

1.1 KW, 1.5 KW, 2.2 KW

2.0 cubic meters per hour @ 14 bar pressure
2900 rpm

We keep a full range of spares for this pump



Multistage wet end

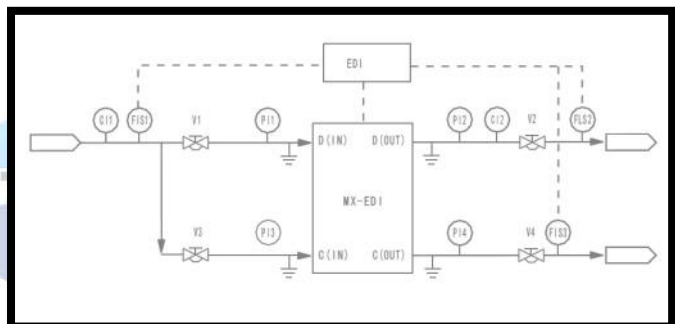
CDLF2

Spare wet ends are kept in stock

2.0 cubic meters per hour @ 14 bar pressure
2900 rpm



EDI



EDI is a revolutionary water treatment technology, it is skilfully combined electro osmosis technology with ion exchange technology, which doesn't need acid base regeneration can produce sustainable high quality water. The emergence of EDI is a milestone in water treatment industry entering green environmental protection era. Using EDI technology to produce ultra pure water is a new trend!

ULTRA VIOLET STERILIZERS



Model number	Flow Rate in Clear, clean water	Flow Rate in Clear-Di, or RO water	In/Out Connect size(Inch)	Max pressure (bar)	Useful life(hrs)	LED Warning system
UVSS11WATT	0.18t/h	0.17t/h	1/4	6Bar	>8000	yes
UVSS16WATT	0.4t/h	0.3t/h	1/4	6Bar	>8000	yes
UVSS25WATT	1.3t/h	1.2t/h	1/2	6Bar	>8000	yes
UVSS30WATT	1.8t/h	1.78t/h	1/2	6Bar	>8000	yes
UVSS55WATT	2.5t/h	2.4t/h	1"	6Bar	>8000	yes
UVSS110Watt	5t/h	4.8t/h	1"	6bar	>8000h	yes
UVSS220Watt	10t/h	9.6t/h	1, 1/2"	6bar	>8000h	yes
UVSS330Watt	15t/h	14.4t/h	2.5"	6bar	>8000h	yes
UVSS440Watt	20t/h	19.2t/h	flange	6bar	>8000h	yes
UVSS440Watt	25t/h	20t/h	flange	6bar	>8000h	yes

Bigger models are available on request



Uv ballast 11 watt to 55 watt



Uv ballast 110 watt to 440 watt



PRESSURE GAUGES



Stainless steel pressure gauges 10bar, 15bar, 21bar, and 30bar
Bottom entry and rear entry (panel mount)
1/4 inch inlet

PRESSURE REDUCING VALVES



Inlet outlet 1/4 3/8, 1/2, 3/4, 1, 1 1/2 inch.
Adjustable from 2 bar to 8 bar
Operating pressure 2 bar to 16 bar
Has a 1/4 inlet for a pressure gauge to monitor pressure.
(Gauge can be left in place or removed once regulator has been set)

ROTAMETERS (flow meter)



Panel mount flow rate	Inline Flow rate
10-100 lph	400-4000lph
0.5-5 gpm (2-19 lpm)	600-6000 lph
1-10 gpm (4-37 lpm)	1600-16000lph
5-24 gpm (19-90 lpm)	5000-25000lph
5-35 gpm (19-132 lpm)	

Other size flow meters are available on request



ULTRA FILTERS



Ultra Filtration is a water purifying system using innovative 'hollow fibres' to separate impurities from water. It is capable of removing particles effectively down to 0.01 micron and reach a typical drinking water turbidity value of 0.1 NTU. Ultra Filtration' is a separation process which has a good separation range about 0.01 to 0.1 micron (Nearly 99.99% of impurities in the water have been separated out in this process).

Compare to the separation range down to 0.001 micron (or RO), Ultra Filtration process do not need a pressure pump/ electric power to operate, does not have wasted water when permeate water is generated, but has high flux volume and easy to maintain.

Water minerals are not filtered out in the ultra filtration process.

Once the sediment begins to block the cartridge a manual valve or automatic valve can be placed on the opposite end to flush the Ultra filter unit.

































Models available

- 4000 lph Stainless steel size 4040

- Ultra filter cartridges can be removed and replaced.
- Ultra filter cartridges can be backwashed with a acid solution to remove lodged sediment.

Ultra filtration, cartridges



 <p>QC-TB-1/8 1/4 INCH QUICK CONNECT TO 1/8 THREAD</p>	 <p>QC-TB-EL-18CH 1/4 INCH QUICK CONNECT ELBOW TO 1/8 THREAD ONE WAY VALVE</p>	 <p>QC-TB-14 1/4 INCH QUICK CONNECT 1/4 THREAD</p>	 <p>QC-TB-EL-14 1/4 INCH QUICK CONNECT ELBOW TO 1/4 INCH THREAD</p>	 <p>QC-TB-EL-TB 1/4 INCH QUICK CONNECT ELBOW TO 1/4 INCH QUICK CONNECT</p>	 <p>QC-TB-T-TB-TB 1/4 INCH QUICK CONNECT T TO 1/4 INCH QUICK CONNECT TO 1/4 INCH QUICK CONNECT</p>
 <p>QC-TB-T-TB-14 1/4 INCH QUICK CONNECT T TO 1/4 INCH QUICK CONNECT TO 1/4 INCH THREAD</p>	 <p>QC-TB-Y-TB-TB 1/4 INCH QUICK CONNECT Y TO 1/4 INCH QUICK CONNECT TO 1/4 INCH QUICK CONNECT</p>	 <p>QC-TB-14F 1/4 QUICK CONNECT TO 1/4 INCH FEMALE THREAD</p>	 <p>QC-TB-BV-14 1/4 QUICK CONNECT BALL VALVE TO 1/4 INCH THREAD</p>	 <p>QC-TB-12F 1/4 INCH QUICK CONNECT TO 1/2 INCH THREAD</p>	 <p>QC-TB-34F 1/4 INCH QUICK CONNECT TO 3/4 INCH THREAD</p>
 <p>QC-TB-T-SPIG-TB 1/4 INCH QUICK CONNECT T TO 1/4 INCH SPIG TO 1/4 INCH QUICK CONNECT</p>	 <p>QC-TB-EL-SPIG 1/4 INCH QUICK CONNECT ELBOW TO 1/4 SPIG</p>	 <p>QC-TB-EL-14F 1/4 INCH QUICK CONNECT ELBOW TO 1/4 THREAD FEMALE</p>	 <p>QC-TB-BV-TB 1/4 INCH QUICK CONNECT BALL VALVE TO 1/4 INCH QUICK CONNECT</p>	 <p>QC-ASO REVERSE OSMOSIS 1/4 INCH AUTO SHUT-OFF</p>	 <p>QC-TB-BV-14 (RO TANK TAP)</p>
 <p>LOW PRESSURE SWITCH 1/4 INCH QUICK CONNECT</p>	 <p>QC-HPS 1/4 INCH QUICK CONNECT HIGH PRESSURE SWITCH</p>	 <p>QC-TB-TB QUICK CONNECT 1/4 INCH TO 1/4 INCH TUBING JOINER</p>	 <p>QC-TB-TB-C QUICK CONNECT 1/4 INCH TO 1/4 INCH TUBING JOINER CHECK/ONE WAY VALVE</p>	 <p>QC-PRV 1/4 INCH PRESSURE REDUCING VALVE</p>	 <p>QC-PRV-3/8 3/8 INCH QUICK CONNECT PRESSURE REDUCING VALVE</p>
 <p>QC38-TB38-TB38 3/8 INCH QUICK CONNECT TO 3/8 INCH QUICK CONNECT</p>	 <p>QC38-TB38-BV-TB38 3/8 INCH QUICK CONNECT BALL VALVE TO 3/8 INCH QUICK CONNECT</p>	 <p>QC38-TB38-T-TB38-TB38 3/8 INCH QUICK CONNECT T TO 3/8 INCH QUICK CONNECT TO 3/8 INCH QUICK CONNECT</p>	 <p>QC38-TB38-EL-12 3/8 INCH QUICK CONNECT ELBOW TO 3/8 INCH QUICK CONNECT</p>	 <p>QC38-TB38-12 3/8 INCH QUICK CONNECT TO 1/2 INCH THREAD</p>	 <p>QC-TB-12 1/4 INCH QUICK CONNECT TO 1/2 INCH THREAD</p>

					
QC-TB-QC38 1/4 INCH QUICK CONNECT TO 3/8 QUICK CONNECT	QC-TB-EL-3/8 1/4 INCH QUICK CONNECT ELBOW TO 3/8 THREAD	QC3-TB38-14 3/8 INCH QUICK CONNECT TO 1/4 INCH THREAD	QC3-TB38-3/8 3/8 INCH QUICK CONNECT TO 3/8 INCH THREAD	QC3-TB38-1/2F 3/8 QUICK CONNECT TO 1/2 THREAD FEMALE	QC3-TB38-3/4F 3/8 QUICK CONNECT TO FEMALE 3/4 THREAD
					
RO TUBING 1/4,3/8 INCH	J1/4-EL-3/8 JACO 1/4 INCH ELBOW TO 3/8 INCH THREAD	J1/4-J1/4 JACO 1/4 INCH TO JACO 1/4 INCH	J1/4-1/4 JACO 1/4 INCH TO 1/4 THREAD	J1/4-T-J1/4-1/4 JACO	J1/4-EL-14 JACO 1/4 INCH ELBOW TO 1/4 INCH THREAD
					
J14-EL-18 JACO 1/4 INCH ELBOW TO 1/8 INCH	J1/4-T-J1/4-J1/4 1/4 JACO T	1/4 INCH NIPPLE	J1/4-J1/4 JACO 1/4 INCH TO JACO 1/4 INCH	NIPPLE 3/8 INCH	J1/4-EL-3/8 JACO 1/4 INCH ELBOW TO 3/8 INCH THREAD
					
JACO 1/4 INCH 3/8 NUTS	PIPE INSERTS 1/4 3/8, FERRULES, QC LOCKING CLIPS	1/2 INCH MALE TO 1/2 INCH FEMALE SIDE PORT 1/4 INCH	3/4 INCH FEMALE TO CAP TO SIDE PORT 1/4 INCH	1/2 INCH MALE TO 1/2 INCH FEMALE SIDE PORT 1/4 INCH	1/2 INCH MALE TO 1/2 INCH FEMALE
					
3/4 INCH MALE TO 3/4 INCH FEMALE SIDE PORT 1/4 INCH	1/2 INCH MALE TO 1/2 INCH FEMALE SIDE PORT 1/4 INCH EXTRA LONG	PIERCING SADDLE CLAMP	PIERCING G- CLAMP	COUNTER TOP DIVERTER VALVE	1/4 INCH SOLENOID 24 VOLTS
					
CARTRIDGE COUPLER	SPOUT TIP	LOW PRESSURE SWITCH 1/4 INCH	1/4 FLOW RESTRICTOR	STAINLESS STEEL BALL VALVE 1/4 INCH	STAINLESS STEEL BALL VALVE 3/8 INCH

					
COUNTER TOP TUBE CONNECTOR BRASS	COUNTER TOP SPOUT CONNECTOR BRASS	COUNTER TOP FAUCET THREAD ADAPTER	1/4 INCH STAINLESS NEEDLE VALVE	1/2 AND 3/4 INCH STAINLESS NEEDLE VALVE	SMALL PLASTIC FLOAT VALVE ELECTRONIC AND MANUAL
					
COUNTERTOP FAUCET	COUNTERTOP FAUCET	COUNTERTOP FAUCET	HOUSING WRENCH	HOUSING WRENCH	HOUSING WRENCH
					
RO MEMBRANE HOUSING WRENCH	PRECIPTATOR	COUNTER TOP SPOUT	COUNTER TOP NO THREAD ADAPTOR	PIPE CLIP 50 MM – 2 INCH	PIPE CLIP 60 MM-3.5 INCH
					
PIPE CLIP 85 MM-3.5 INCH	PIPE CLIP 50MM TO 50 MM 2 – 2 INCH	PIPE CLIP 60MM TO 60 MM 2.5-2.5 INCH	PIPE CLIP 50MM TO 60MM 2.5- 2INCH	VENTURI 3/4 OTHER SIZES ARE AVAILABLE	DRAIN SADDLE CLAMP

All quick fit fittings will shortly be available in 1/2 inch 3/4 inch and 1 inch sizes

We are always expanding our fittings and not all our fittings are in our catalogue

Call us if you are looking for something that you do not see

PROJECT PICTURES





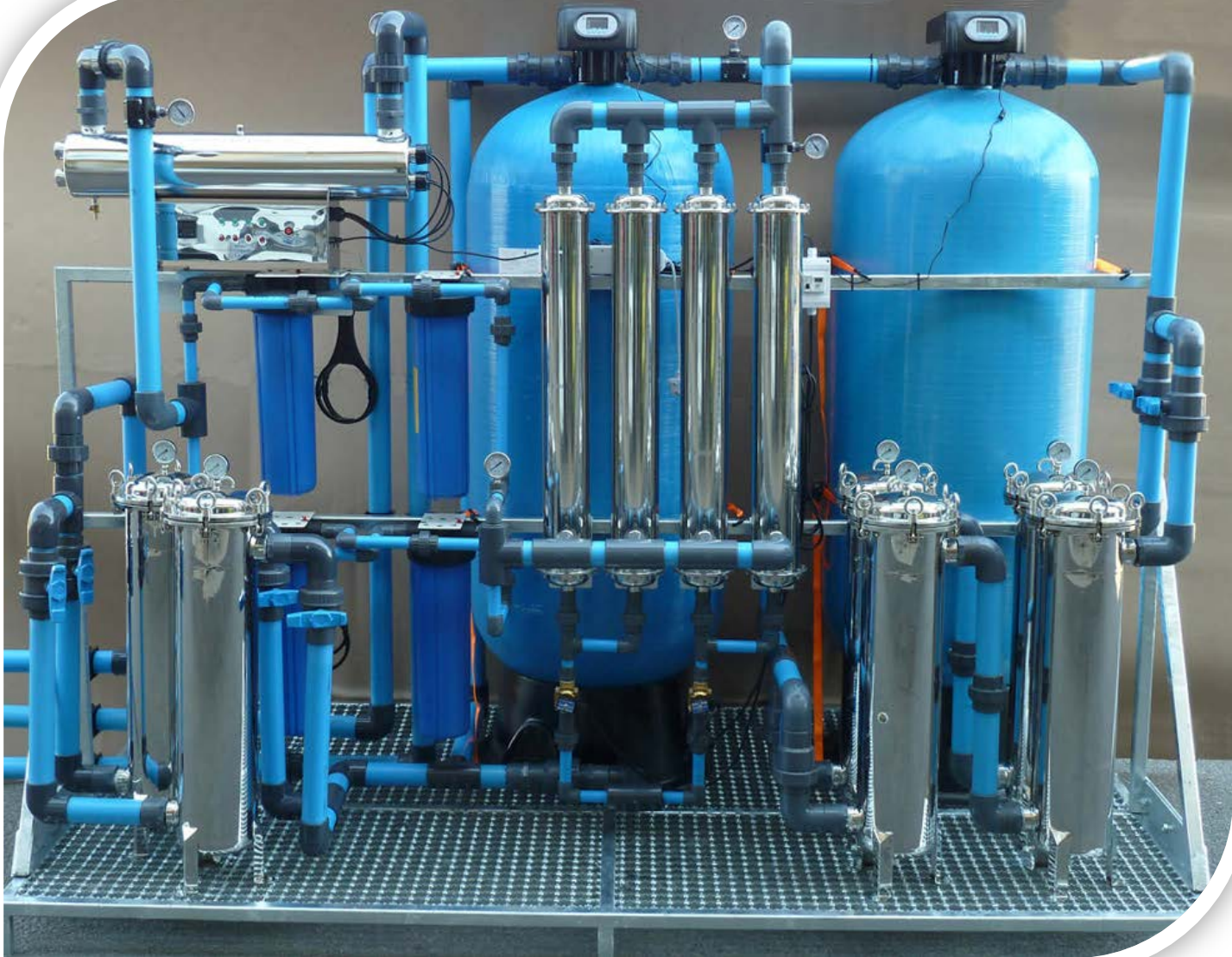




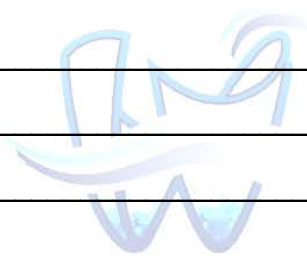
Water Purification Equipment





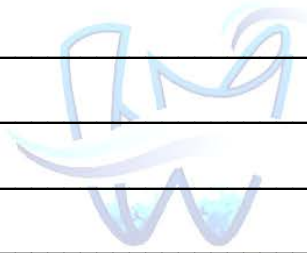


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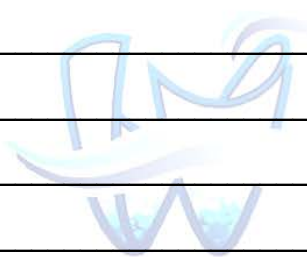
Water

Purification Equipment



Water

Purification Equipment



Water

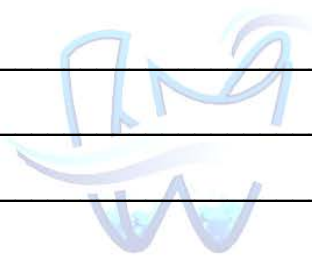
Purification Equipment



Water

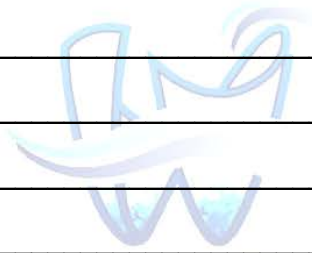
Purification Equipment

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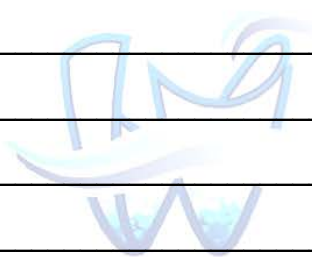
Water

Purification Equipment



Water

Purification Equipment



Water

Purification Equipment



Water

Purification Equipment

