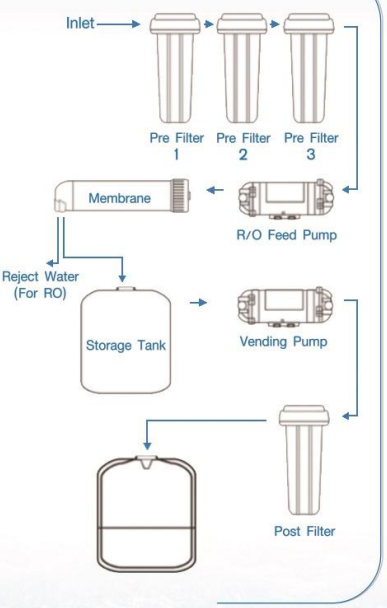
AQUATEK®
Care For Health

FIBER CABINET
โครงตู้น้ำหยอดเหรียญ

WORKING SYSTEM



MEMBER Water Quality ASSOCIATION No.1007184

Product Code:	1313017	1313018	1313031	1313041
ขนาด	76 x 76 x 178 cm		61 x 79 x 168 cm	76 x 76 x 178 cm
ระบบกรอง	Reverse Osmosis			
กำลังการผลิต	600 LPD	1,200 LPD	600 LPD	2,275 LPD
Pre-Treatment	PP 5 micron 20"	PP 5 micron 20"	PP 5 micron 12"	PP 5 micron 20"
	GAC Carbon 20"	GAC Carbon 20"	Block Carbon 12"	GAC Carbon 20"
	Block Carbon 20"	Block Carbon 20"	Resin 12"	Block Carbon 20"
Memblane	150 GPD x 1	150 GPD x 2	150 GPD x 1	600 GPD x 1
Post-Treatment	Block Carbon 10"			
ปั๊มแรงดัน	AQUATEK 100 GPD	AQUATEK 300 GPD	AQUATEK 100 GPD	AMETEK 5.5 LPM
ปั๊มจ่าย	AQUATEK SILVER 11 LPM			AMETEK 12 LPM
ถังสำรองน้ำ	200 L	200 L	100 L	200 L
Body	C1 BLUE	C1 BLUE	C2 BLUE	C1 BLUE
Accessorics	แผงวงจร 1 หน้าจอ / ช่องหยอดเหรียญ 1 ช่องหยอดเหรียญรวม / กระป๋องเก็บเหรียญ FRP			

Distributor

AQUATEK®
Care For Health
SILVER

รุ่น	AQUATEKsilver D2
ขนาด	66.5 x 66.5 x 167.5 cm
ระบบกรอง	Reverse Osmosis
กำลังการผลิต	600 ลิตร / วัน

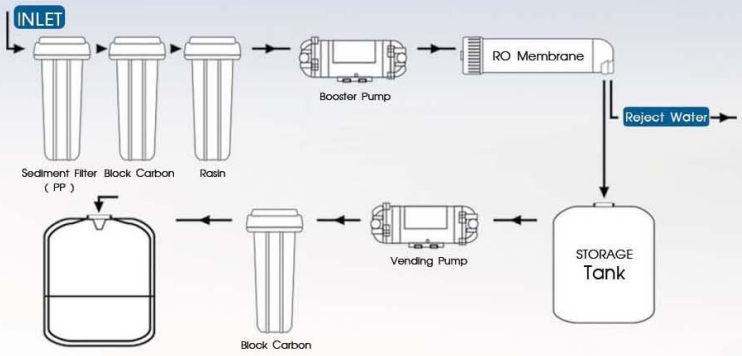
โครงตู้ไฟเบอร์

www.aquateksilver.com

Aquatek Silver

การกรองเบื้องต้น	
ไส้กรอง Sediment Filter Pentek (E60)	5 micron 10"
ไส้กรอง Block Carbon Omnipure	10"
ไส้กรอง Resin "Pall Tech" Food Grade	10"
ไส้กรอง Membrane ULTRATEK	150 GPD
ไส้กรอง Block Carbon Matrikx CTO Plus	0.6 micron 10"

แผงวงจร	1 หน้าจอ
ช่องหยอดเหรียญ	1 ช่องหยอดเหรียญรวม
Booster Pump	150 GPD 24 VDC
Vending Pump	Shurflo 3.0 GPM (USA)
ถังสำรองน้ำ	100 ลิตร
กล่องใส่เหรียญ	FRP



รุ่น	AQUATEKsilver C1
ขนาด	76.5 x 76.5 x 173.5 cm
ระบบกรอง	Reverse Osmosis
กำลังการผลิต	1,000 ลิตร / วัน

การกรองเบื้องต้น	
ไส้กรอง Sediment Filter Pentek (E60)	5 micron 20"
ไส้กรอง Block Carbon "CCK"	20"
ไส้กรอง Resin "Pall Tech" Food Grade	20"
ไส้กรอง Membrane ULTRATEK Model: 3012	275 GPD
ไส้กรอง Block Carbon Matrikx CTO Plus	0.6 micron 10"

แผงวงจร	1 หน้าจอ
ช่องหยอดเหรียญ	1 ช่องหยอดเหรียญรวม
Booster Pump	250 GPD 24 VDC
Vending Pump	Shurflo Gold 3.0 GPM (USA)
ถังสำรองน้ำ	200 ลิตร
กล่องใส่เหรียญ	FRP

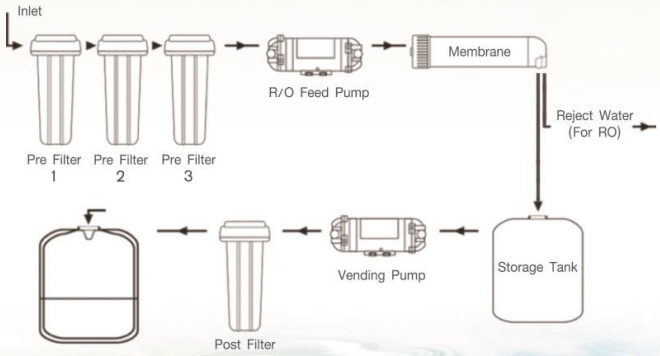
Designed in U.S.A.

MEMBER Water Quality ASSOCIATION No.1007184

12-07-081

FIBER CABINET
โครงตู้น้ำหยอดเหรียญ

Uni Pure



MEMBER
Water Quality ASSOCIATION
No.1007184

Product Code:	1313033	1313039	1313045
ขนาด	76 x 76 x 178 cm		
ระบบกรอง	Reverse Osmosis		
กำลังการผลิต	1,200 LPD	1,500 LPD	3,000 LPD
Pre-Treatment	PP 5 micron 20" GAC Carbon 20" Block Carbon 20"	PP 5 micron 20" GAC Carbon 20" Block Carbon 20"	PP 10 micron 20" Block Carbon 20" Resin 20"
Memblane	300 GPD x 1	400 GPD x 1	400 GPD x 2
Post-Treatment	Block Carbon 10"		
ปั๊มแรงดัน	Unipure 300 GPD	Unipure 450 GPD	Unipure 550 GPD
ปั๊มจ่าย	AQUATEK SILVER 11 LPM		
ถังสำรองน้ำ	200 L		
Accessorics	Body C1 Green /แผงวงจร 1 หน้าจอ /ช่องหยอดเหรียญ 1 ช่องหยอดเหรียญรวม /กระป๋องเก็บเหรียญ FRP		

1207098

ZMAG
Manganese Zeolite

Packing :25 Litres/Bag

PHYSICAL CHARACTERISTICS

Shipping weight	1.44 kg/L
Specific gravity	2.4 ~ 2.5
Screen grading (dry)	16 ~ 30 mesh
Effective size	0.6 ± 0.05 mm.
Uniformity coefficient	Less than 1.7
pH range	6.2 ~ 8.5
Maximum temperature	25 °C
Maximum pressure drop	0.85 kg/cm^2
Backwash rate	40 ~ 50 m/hr
Service flow rate	5 ~ 12 m/hr
Minimem bed depth	70 cm

GENERAL

Zmag, used for removing soluble iron and/or manganese as well as hydrogen sulfide from well water supplies, is a purple-black filter media processed from ceramic zeolite granule. Zmag can be used in a completely closed pressure system with no aeration or repumping, or in an open gravity filter system.

The two most common methods of operation are continuous regeneration which are recommended for predominantly iron water, and intermittent regeneration and for predominantly manganese water.

METHODS OF OPERATION

Continuous regeneration operation is recommended for well water where iron removal is the main objective with or without the presence of manganese. Briefly, it involves the feeding of predetermined amount of potassium permanganate ($KMnO_4$), usually in combination with chlorine (Cl_2), directly to the raw water prior to the unit containing Zmag continuous regeneration. The chlorine should be fed upstream of the $KMnO_4$ with a contact time of 10 ~ 20 seconds if possible. Sufficient chlorine should be fed to produce the desired residual in the filter effluent. Enough $KMnO_4$ should be fed to produce a "just pink" color in the filter inlet. This will maintain the Zmag media in a continuously regenerated condition.

Suggested operating conditions

Backwash : Sufficient rate to produce approximately 30% bed expansion.

Regeneration

- $KMnO_4$ Dosage.....1.5 ~ 2.0 g/L
- $KMnO_4$ Stock solution strength.....1.5 ~ 30 g/L
- $KMnO_4$ Regeneration volume.....1000 L/m^3
- $KMnO_4$ Regeneration rate.....2 m/hr
- $KMnO_4$ Regeneration time.....30 minutes
- Rinse rate.....130 L/min/m^3
- Rinse volume.....5300 ~ 6700 L/m^3
- Note : Recycle of regenerant and rinse water will conserve KMnO and rinse waste water.

Capacity : 650 g Mn/m^3. Prechlorination is recommended especially if iron is present.

Pressure drop : Max pressure drop 0.85 kg/cm^2 If this pressure differential is reached before the capacity for Mn is obtained, Zmag intermittent regeneration can be backwashed without regenerating.

Flow rate : 5 ~ 12 m/hr

Distributor...

MEMBER Water Quality ASSOCIATION

12-07-072

ApZa Anthracite

Anthracite

is recognized as being superior to sand for both industrial and municipal water purification plants.

Typical Applications of ApZa Anthracite

City water treatment Plants

ApZa can be used in new plants where its greater filtering capacity is effective in reducing filter plant capital costs. ApZa can also be used to increase throughputs of existing plants.

Industrial & Wastewater Filters

Longer Filter Cycles mean cheaper operation. Boiler Water, Alkaline Water, Caustic Acid solutions, and Oxidized Chemicals are all readily treatable by ApZa Anthracite. Unlike sand, which can produce harmful silica acid, ApZa Anthracite has a low solubility in both acid and alkali.

SPECIFICATION

GRAIN SIZE		8x30
PHYSICAL APPEARANCE		GRANULAR BLACK COLOUR
VOLATILE MATTER		5-7%
pH		5-8
FIXED CARBON		92 - 98%
HARDNESS		4.0 MOH SCALE
BULK DENSITY		0.8 G/CC
ASH		10 %
EFFECTIVE SIZE		0.8± 0.1 mm
UNIFORMITY COEFFICIENT		1.5 MAX
SPECIFIC GRAVITY		1.40
MOISTURE		5 % MAX
SULPHUR		0.5 %
HYDROCHLORIC ACID SOLUBLE RATE		3.5 %
POROSITY		>50 %
AGGLOMERATION CHARACTER		NON.AGGLOMERATING
TOXIC SUBSTANCE		NONE
ARSENIC	mg/dm^3	NONE
CADMIUM	mg/dm^3	NONE
IRON	mg/dm^3	0.1 ppm
MANGANESE	mg/dm^3	0.05 ppm
MERCURY	mg/dm^3	NONE
LEAD	mg/dm^3	NONE
PHENOL	mg/dm^3	NONE

Advantages :

1. High Void Space

ApZa Anthracite has a void of 50 to 57 percent compared with that of conventional filter sand which has about 45 percent. The higher void age increases the settling and filtration velocity. ApZa'S angular shape and rough edges ensure higher filtration rate.

2. Coarse Composition

ApZa Anthracite has a much coarser structure than sand and gives improved filtration through the complete bed thickness. Flock size is increased with easier removal during backwashing.
Easier release of suspended solids reduces backwashing time and the volume of backwash water.

3. Large Surface Area

The angular particles of ApZa Anthracite result in a 30 percent increase in available surface area.
This increases the retention rate of flock, reduces chances of flock clogging and rupture of the filter layers.

4. Idea for Multi-Media Filtration

When used in conjunction with sand, ApZa Anthracite is particularly effective. Filtration through the complete bed results in longer filter cycles, fewer backwashes and reduction in backwash volume.

Distributor...

MEMBER Water Quality ASSOCIATION

12-07-073

Activated Carbon AQUASORB®

"Aquasorb" Activated Carbon is made from Bituminous coal materials with high temperature stream under strictly controlled conditions. It is suitable for City water, wastewater treatment, general air treatment and other process.

The four main characteristics to consider when choosing a mediumfor filtration are :

(A) Pore size (B) Particle hardness

(A) Internal surface area (D) Absorptive capacity

AQ - 600, 900

SPECIFICATIONS

Iodine Number (Min)	600, 900 mg/g
Carbon Tetrachloride Absorption (Min)	60 Weight %
Ash (Max)	12 %
Moisture (Max)	5 % As Packed
Apparent Density (Bulk Density)460	580±30 (ID600), 500±30 (ID900)g/l
Hardness (Min)	90 %
pH	7-9
Mesh Sizes	8x30
M.B. (Min)	180 Mg/g

Packing : 50 Litres/Bag

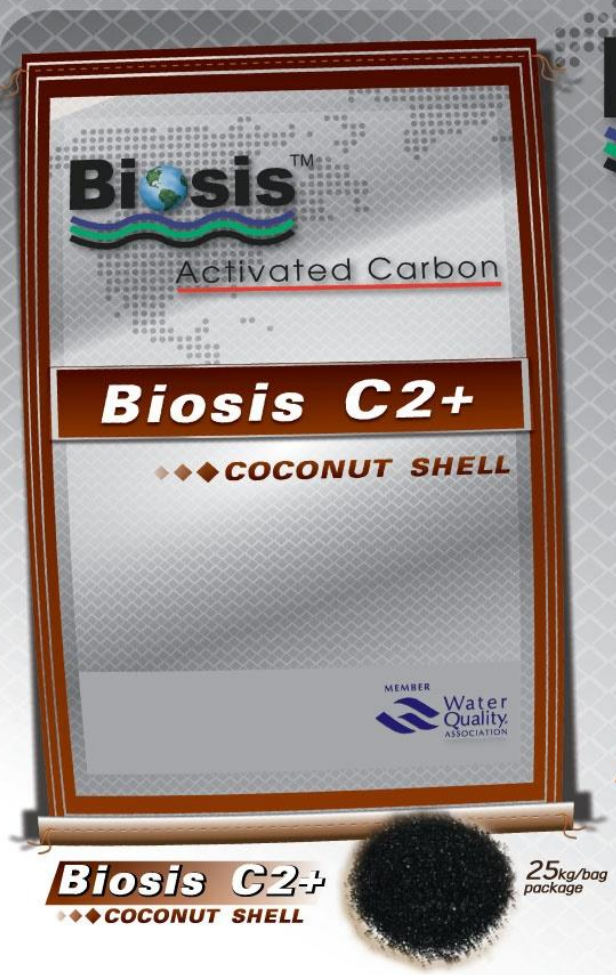
Carefully selected raw materials are processed at low temperatures (200-300^{0}C) to remove natural volatile components and residual moisture levels. This is the initial carbonization step. This is followed by passing the carbonized raw material through high temperature (900-1000^{0}C) activation retorts in the presence of a stringently controlled flow of steam which is used as the oxidizing medium.

The resulting product is a powerful adsorbent with a range of pores of molecular dimensions. Under a scanning electron microscope the pore development is clearly visible, appearing like a porous sponge. This high concentration of pores within a relatively small volume produces a material with a phenomenal internal surface area (800-1600 m^2 g4 BET N_2). To put this into perspective, a tea spoon of activated carbon would exhibit a surface area equivalent to that of a football field. It is this vast internal surface area that gives activated carbon its unique ability to adsorb a wide range of compounds from both the gas and liquid phase. The target compound is contacted with the activated carbon and subsequently diffuses into the internal pore structure. The internal surface area of the activated carbon exhibits weak Van der Waals forces which lock the compound into the pore structure. The process of transferring molecules from the gas or liquid phase onto a solid surface is defined as adsorption.

Distributor...

MEMBER Water Quality ASSOCIATION

12-07-074



Biosis™

Activated Carbon

Biosis C2+ coconut shell is granular activated carbon from coconut shell by a high temperature activation process.

Biosis C2+ coconut shell applied for remove chlorine and organic matter present in water. If impurities retained on the filter bed can be removed by backwash.

Features and Benefits

- High adsorption capacity and efficiency.
- Hard & durable
- It can efficiently remove organic compounds, color, odor and taste from water.

Biosis C2+ coconut shell

Characteristics	*Specifications*
Appearance	Black, Odorless and tasteless granules
Manufacturing Base	Coconut Shell Based
Mesh Size (U.S. Standard Sieve)	8x16, 8x30
Iodine Number (mg/g)	1,000 Min.
Bulk Density (g/ml)	0.45-0.55 g/ml
Moisture	5.00% Max.
Ash Content	5% Max.
Hardness	95% Min.

Application : *High quality coconut shell based granular activated carbon used for the potable water treatment as well as for industrial applications.*

MEMBER Water Quality ASSOCIATION

Distributor...

12-07-077

Fast pure 001 x 7

The Fast pure brand 001x7 is a gel-type, strong acid cation exchange resin of polystyrene sulfonated type, supplied in sodium form.

It is used for the removal of calcium and magnesium ions which are the hardness forming constituents of water.

Applicable for softening of industrial water.

APPLICTIONS

- Suitable for water softening.
- Water Treatment
- Preparation of pure water.

Physical and Chemical Properties

Type	Gel Type
Functional group	Sulfonic Acid
Appearance	Light brown
Ionic form	Na
Moisture Content	50-55 %
Total exchange capacity	1.8 eq/l
Whole beads	95 %
Particle size range	0.3-1.2 mm.
Uniform coefficient	⩽1.6
Operation pH range	0-14
Shipping Weight	780-810 g/l

Designed in U.S.A.

MEMBER Water Quality ASSOCIATION

Distributor...

Pull Tech
Ion Exchange Resin

What are resins?

Ion exchange resins are an insoluble polymeric matrix, spherical moist gellular or macroporous polystyrene copolymer beads. Resins which can exchange ions, under favorable conditions are called ion exchange resin. These are mainly of two types namely cation and anion, four categories : strong acid, weak acid, strong base and weak base.

Strong acid cation exchange resins are prepared by sulfonating the benzene rings in the polymer. The SO_3^- groups are fixed to the polymer network to give a negatively charged matrix and exchangeable, mobile hydrogen ions. The hydrogen ions can be exchanged on an equivalent basis with other cations such as Ca^{2+}, Mg^{2+}, or K^+ to maintain neutrality of the polymer.

Code	SR^+	Type	Matrix	Total Capacity (meq/ml)	Regenerant	Application
0405005	PTC-107 NA	Gel, strong Acid cation Exchange Resin	Polystyrene crosslinked with DVB	≥1.9	NaCl	water softening preparation of pure water and ultra-pure water
0405003	PTC-107 FD	Gel, strong Acid cation Exchange Resin	Polystyrene crosslinked with DVB	≥1.9	NaCl	food grade resin for water softening preparation of pure water and ultra-pure water
0405006	PTC-108 H^+	Gel, strong Acid cation Exchange Resin	Polystyrene crosslinked with DVB	≥1.9	HCl	Deionization System, Pure water, Preparation of Ultra-pure water
0405001	PTA-304 OH^-	Gel, strong Base Type 1 Anion Exchange Resin	Polystyrene crosslinked with DVB	≥1.1	NaOH	
0405004	PTC-107 MB	Gel, strong Acid cation Exchange Resin	Polystyrene crosslinked with DVB	≥1.8	HCl	Mixed Bed System, Preparation of Ultra Pure Water
0405002	PTA-307 MB	Gel, strong Base Type 1 Anion Exchange Resin	Polystyrene crosslinked with DVB	≥1.4	NaOH	
0405009	PTER-8715	Gel type $H^+ : OH^- = 1:1.5$	Polystyrene crosslinked with DVB	≥1.8 (H^+) ≥1.1 (OH^-)	–	Non-Regenerated resin Preparation of Ultra Pure Water Exellent resistance to attrition
0405010	PTNR-8715	Gel type $H^+ : OH^- = 1:1.5$	Polystyrene crosslinked with DVB	≥1.8 (H^+) ≥1.1 (OH^-)	–	

Distributor...

MEMBER Water Quality ASSOCIATION

12-07-002

INDUSTRIAL REVERSE OSMOSIS SYSTEM
INDUSTRIAL 8040

10 m³/hr

STANDARD SPECIFICATION

Capacity (m³/hr)		1 m³/hr	2 m³/hr	3-3.5 m³/hr	4 - 5 m³/hr	10 m³/hr
Prefilter	Housing	Big Blue 20"	Big Blue 20" x 2	Big Blue 20" x 2	SS Cartridge 5x20"	SS Cartridge 5x30"
	Filter	PP BB 20" x 1	PP BB 20" x 2	PP BB 20" x 2	PP 20" x 5	PP 30" x 5
High Pressure Pump	Model	DOSAG VCP2-220	DOSAG VCP4-160	DOSAG VCP5-160	DOSAG VCP5-160	DOSAG VCP16-140
	Power	2.2 kW	3 kW	5.5 kW	5.5 kW	15 kW
	Volt	220V (or 380V)	380V	380V	380V	380V
RO Membrane		Ultratek 8040(E) x 1	Ultratek 8040(E) x 2	Ultratek 8040(E) x 3	Ultratek 8040(E) x 4	Ultratek 8040(E) x 9
RO Vessel (FRP)		8040 x 1	8040 x 2	8040 x 3	8080 x 2	80120x3
Feed Solenoid Valve		1.5"	1.5"	2"	2"	2.5"
Flushing Solenoid Valve		1"	1"	1.5"	1.5"	2"
Pressure Gauge		0-6 bar x 1 (Pre-filter) , 0-25 bar x 2 (Inlet Membrane / Outlet Membrane)				
Flow Meter	Permeate	2-10 GPM	2-16 GPM	2-24 GPM	5-35 GPM	20-60 GPM
	Concentrate	2-16 GPM	2-16 GPM	5-35 GPM	4-24 GPM	20-60 GPM
	Return	-	2-10 GPM	5-35 GPM	2-16 GPM	5-30 GPM
Low Pressure Switch		DANFOSS KP-35				
High Pressure Switch		DANFOSS KP-36				
SUS304 Frame Structure Size (LxWxH) (cm)		180 x 80 x 130	200 x 90 x 130	200 x 90 x 130	250 x 100 x 130	
Electrical Works		Relay				
Piping		UPVC & SUS 304				
Price						
Product Code		1307035	1307036	1307041	1307057	1307042

Optional
RO Vessel : SUS304
Electrical Works : PLC
TDS/Conductivity Meter
Anti-scalant Unit
CIP (Cleaning In Place) Unit
RO water Flushing (with CIP)

Reverse Osmosis Membrane

REVERSE OSMOSIS SYSTEM INDUSTRIAL 4040 HIGH

Reverse Osmosis (RO) technology

, also known as hyper filtration, is used in Commercial & Industrial Tap and Brackish Water

Reverse Osmosis Systems

to purify water by removing salts, removing salts, contaminants and other impurities.It is also capable of rejecting bacteria, sugars, proteins, particles, dyes, and other constituents

Requirement for feed water

- Feed water pressure	: 2-3 bar
- TDS	: < 500 ppm
- Hardness	: < 50 ppm
- Iron	: < 0.05 ppm
- Cl	: < 0.1 ppm
- Turbidity	: < 1 NTU
- SDI	: < 5
- pH	: 3-10
- Temperature	: 5-45 ˚C

6QPD 12QPD 18QPD 24QPD

STANDARD SPECIFICATION

Model		6QPD	12QPD	18QPD	24QPD
Capacity		6 m^3/day (250 LPH)	12 m^3/day (500 LPH)	18 m^3/day (750 LPH)	24 m^3/day (1,000 LPH)
High Pressure Pump	Model	DOSAG VCP2-150	DOSAG VCP2-150	DOSAG VCP2-180	DOSAG VCP2-220
	Power	1.5 kW	1.5 kW	2.2 kW	2.2 kW
	Volt	220 V 50 Hz			
Prefilter	Housing	Filter Housing 20" x 1	Filter Housing 20" x 2	Filter Housing Big Blue 20" x 1	
	Filter	PP Filter 5 Micron 20" x 1	PP Filter 5 Micron 20" x 2	PP Big Blue Filter 5 Micron 20" x 1	
RO Membrane		Ultratek 4040 (E) x 1	Ultratek 4040 (E) x 2	Ultratek 4040 (E) x 3	Ultratek 4040 (E) x 4
RO Vessel (SUS304)		4040 x 1	4040 x 2	4040 x 3	4040 x 4
Feed Solenoid Valve		3/4"	3/4"	1"	1"
Flushing Solenoid Valve		1/2"	1/2"	3/4"	3/4"
Pressure Gauge		0-60 psi x 1 (Pre-filter) , 0-300 psi x 2 (Inlet Membrane / Outlet Membrane)			
Flow Meter	Permeate	0.2-2 GPM	0.5-5 GPM	2-10 GPM	2-10 GPM
	Concentrate	0.5-5 GPM	0.5-5 GPM	2-10 GPM	2-16 GPM
Low Pressure Switch		Single PS06			
High Pressure Switch		Single PS16			
SUS304 Frame Structure Size (LxWxH) (cm)		65 x 55 x 130	65 x 55 x 130	145 x 60 x 125	145 x 60 x 125
Electrical Works		Relay			
Piping		UPVC			
Price					
Code		1307028	1307029	1307031	1307032

Reverse Osmosis Membrane

REVERSE OSMOSIS SYSTEM INDUSTRIAL 4040 LOW

Reverse Osmosis (RO) technology

, also known as hyper filtration, is used in Commercial & Industrial Tap and Brackish Water

Reverse Osmosis Systems

to purify water by removing salts, contaminants and other impurities.It is also capable of rejecting bacteria, sugars, proteins, particles, dyes, and other constituents

Requirement for feed water

- Feed water pressure	: 2-3 bar
- TDS	: < 500 ppm
- Hardness	: < 50 ppm
- Iron	: < 0.05 ppm
- Cl	: < 0.1 ppm
- Turbidity	: < 1 NTU
- SDI	: < 5
- pH	: 3-10
- Temperature	: 5-45 ℃

Reverse Osmosis Membrane

STANDARD SPECIFICATION

Model		6GPD LOW	12GPD LOW
Capacity		6 m^3/day (250 LPH)	12 m^3/day (500 LPH)
High Pressure Pump	Model	DOSAG VCP2-60	
	Power	0.75 kW	
	Volt	220 V 50 Hz	
Prefilter	Housing	Filter Housing 20" x 1	
	Filter	PP Filter 5 Micron 20" x 1	
RO Membrane		Ultratek 4040 (L) x 1	Ultratek 4040 (L) x 2
RO Vessel (SUS304)		4040 x 1	4040 x 2
Feed Solenoid Valve		3/4"	
Flushing Solenoid Valve		1/2"	
Pressure Gauge		0-60 psi x 1 (Pre-filter) , 0-140 psi x 2 (Inlet Membrane / Outlet Membrane)	
Flow Meter	Permeate	0.2-2 GPM	0.5-5 GPM
	Concentrate	0.5-5 GPM	0.5-5 GPM
Low Pressure Switch		Single P506	
SUS304 Frame Structure Size (LxWxH) (cm)		50 x 55 x 130	65 x 55 x 130
Electrical Works		Relay	
Piping		UPVC	
Price			
Code		1307038	1307030

REVERSE OSMOSIS SYSTEM
TRT STRUCTURE

Reverse Osmosis (RO) technology

, also known as hyper filtration, is used in Commercial & Industrial Tap and Brackish Water

Reverse Osmosis Systems

to purify water by removing salts, removing salts, contaminants and other impurities.It is also capable of rejecting bacteria, sugars, proteins, particles, dyes, and other constituents

Requirement for feed water

- Feed water pressure	: 2-3 bar
- TDS	: < 500 ppm
- Hardness	: < 50 ppm
- Iron	: < 0.05 ppm
- Cl	: < 0.1 ppm
- Turbidity	: < 1 NTU
- SDI	: < 5
- pH	: 3-10
- Temperature	: 5-45 ˚C

Reverse Osmosis Membrane

STANDARD SPECIFICATION

Model		TRT150	TRT300	TRT450	TRT600
Capacity		150 GPD	300GPD	450GPD	600GPD
Structure Material		Stainless Steel 304			
Dimension (LxWxH) (cm)	Structure	50 x 35 x 88	50 x 35 x 88	50 x 35 x 88	50 x 35 x 88
	Overall	50 x 35 x 88	50 x 35 x 88	50 x 35 x 88	50 x 35 x 88
Prefilter	PP	PP Filter 5 Micron 20"			
	GAC Carbon	GAC Carbon Filter 20"			
	Block Carbon	Block Carbon Filter 20"			
RO Unit	RO Membrane	150 GPD x 1 Set	150 GPD x 2 Sets	150 GPD x 3 Sets	3012 x 2 Sets
	Housing Membrane	2012 x 1 Set	2012 x 2 sets	2012 x 3 Sets	3012 x 2 Sets
Post Filter		Post Carbon Inline 2.5" x 12"			
Booster Pump		100 GPD	300 GPD	450 GPD	300 GPD x 2 Sets
Feed Solenoid Valve		1/4" 24 VDC	3/8" 220 VAC		
Pressure Switch		Low & High Switch			
Flow Restrictor		400	800	400 & 800	800 x 2 Sets
Electrical Supply		Electric Box ,220 V 50 Hz			
Piping		PE Tube			
Price					
Product Code		1307075	1307056	1307095	1307079

REVERSE OSMOSIS SYSTEM
TRT STRUCTURE

Reverse Osmosis (RO) technology

, also known as hyper filtration, is used in Commercial & Industrial Tap and Brackish Water

Reverse Osmosis Systems

to purify water by removing salts, removing salts, contaminants and other impurities.It is also capable of rejecting bacteria, sugars, proteins, particles, dyes, and other constituents

Requirement for feed water

- Feed water pressure	: 2-3 bar
- TDS	: < 500 ppm
- Hardness	: < 50 ppm
- Iron	: < 0.05 ppm
- Cl	: < 0.1 ppm
- Turbidity	: < 1 NTU
- SDI	: < 5
- pH	: 3-10
- Temperature	: 5-45 ˚C

Reverse Osmosis Membrane

STANDARD SPECIFICATION

Model		TRT150	TRT300	TRT450	TRT600
Capacity		150 GPD	300GPD	450GPD	600GPD
Structure Material		Stainless Steel 304			
Dimension (LxWxH) (cm)	Structure	50 x 35 x 88	50 x 35 x 88	50 x 35 x 88	50 x 35 x 88
	Overall	50 x 35 x 88	50 x 35 x 88	50 x 35 x 88	50 x 35 x 88
Prefilter	PP	PP Filter 5 Micron 20"			
	GAC Carbon	GAC Carbon Filter 20"			
	Block Carbon	Block Carbon Filter 20"			
RO Unit	RO Membrane	150 GPD x 1 Set	150 GPD x 2 Sets	150 GPD x 3 Sets	3012 x 2 Sets
	Housing Membrane	2012 x 1 Set	2012 x 2 sets	2012 x 3 Sets	3012 x 2 Sets
Post Filter		Post Carbon Inline 2.5" x 12"			
Booster Pump		100 GPD	300 GPD	450 GPD	300 GPD x 2 Sets
Feed Solenoid Valve		1/4" 24 VDC	3/8" 220 VAC		
Pressure Switch		Low & High Switch			
Flow Restrictor		400	800	400 & 800	800 x 2 Sets
Electrical Supply		Electric Box ,220 V 50 Hz			
Piping		PE Tube			
Price					
Product Code		1307075	1307056	1307095	1307079

Fibertek

FIBERTEK®

Tank&Vessel

Corrosion Resistant

- ◊ Pressure vessels are made up of high performance composite material with filament winding.
- ◊ All pressure vessels are 100% corrosion resistant.
- ◊ Various thermoplastic liners of polyester, high strength polypropene, etc.
- ◊ Liner wall thickness available from 0.150"(3.8mm) up to 0.300"(7.6mm) corroesponding to the vessel diameter.

FiberTek Pressure Vessel Specs (Unit : mm)

size	Volumn		Top opening	Bottom opening	Base	A	B	C	D
	Gallon	Cubic feet							
7 x 13	2.0	0.2	2.5"- 8NPSM		Standard	362	189		181
7 x 17	2.6	0.3	2.5"- 8NPSM		Standard	454	189		181
7 x 35	5.7	0.7	2.5"- 8NPSM		Standard	924	189		181
7 x 44	7.1	0.9	2.5"- 8NPSM		Standard	1152	189		181
8 x13	2.2	0.3	2.5"- 8NPSM		Standard	342	214		206
8 x 17	3.1	0.4	2.5"- 8NPSM		Standard	444	214		206
8 x 35	7.1	0.9	2.5"- 8NPSM		Standard	901	214		206
8 x 44	9.1	1.2	2.5"- 8NPSM		Standard	1130	214		206
9 x 17	3.8	0.5	2.5"- 8NPSM		Standard	443	240		232
9 x 35	7.1	0.9	2.5"- 8NPSM		Standard	913	240		232
9 x 42	8.5	1.1	2.5"- 8NPSM		Standard	1090	240		232
9 x 48	11.8	1.6	2.5"- 8NPSM		Standard	1242	240		232
10 x 18	4.8	0.6	2.5"- 8NPSM		Standard	439	264		257
10 x 35	10.4	1.4	2.5"- 8NPSM		Standard	896	264		257
10 x 44	13.5	1.8	2.5"- 8NPSM		Standard	1125	264		257
10 x 54	16.7	2.2	2.5"- 8NPSM		Standard	1379	264		257
12 x 48	23.4	3.1	2.5"- 8NPSM		Standard	1230	311		308
12 x 52	25.6	3.4	2.5"- 8NPSM		Standard	1336	311		308
13 x 44	22.9	3.1	2.5"- 8NPSM		Standard	1136	300		334
13 x 54	27.6	3.7	2.5"- 8NPSM		Standard	1390	300		334
14 x 65	39.7	5.3	2.5"- 8NPSM		Standard	1664	320		360
			4"- 8UN		Standard	1662	320		360
16 x 65	48.3	6.5	2.5"- 8NPSM		Standard	1664	380		410
			4"- 8UN		Standard	1663	380		410
18 x 65	62.4	8.3	4"- 8UN		Standard	1717	458		481
			4"- 8UN	4"- 8UN	Tripod	2027	551	419	480
21 x 62	82.4	11.0	4"- 8UN		Standard	1715	522		543
			4"- 8UN	4"- 8UN	Tripod	2027	551	437	544
24 x 72	118.9	15.9	4"- 8UN		Standard	1901	600		619
			4"- 8UN	4"- 8UN	Tripod	2154	605	401	622
30 x 72	187.1	25.0	4"- 8UN		Standard	1828	775		767
			4"- 8UN	4"- 8UN	Tripod	2129	770	345	772
36 x 72	263.9	31.7	4"- 8UN		Standard		930		922
			4"- 8UN	4"- 8UN	Tripod		932		927

FIBERTEK® Tank & Vessel Specs (Unit : mm)

7"- 12" Standard Base | 13"- 36" Standard Base | 18"- 36" Tripod Base

Lowinstallation and maintenance

- ◊ The light weight of composites can lead to cost-savings like lower installation costs and easier handing.
- ◊ There's no need for painting, lining or epoxy coating inside the tank.
- ◊ It also facilitates the maintenance operations and leads to cast-efficiency.

Size & Features

- ◊ Full choice of pressure vessel availableup to 36" diameter with 72" height.
- ◊ Opening types are all top opening. Top & Bottom opening available for 18" through 36" tanks.

Test

250,000 times of cycle test from 10 PSI to 150 PSI with standing pressure.A qualification burst test to four times its rated operating pressure.

Tailored properties

- ◊ Reinforced Composites are only one-third the weight of steel tanks. Strengths are directly comparable to steel.
- ◊ All kinds of strict performance test show that composite vessels offer significantly better performance than lined steel.
- ◊ Physical properties :Operating Pressure 150 psi (10.3 kgf/cm²)
  Operating Temperature 120°F

Distributor...

Water Quality

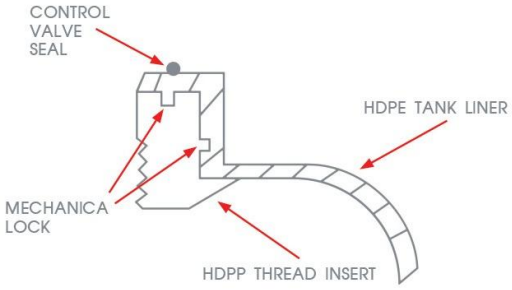
AQUATEK®
Care For Health

Fiberglass(FRP) Tanks

Water Softeners
Water Filters & Components

- FRP tanks are made of high performance Composite material with Fiber glass filament winding.
- All FRP tank are made by a complete seamless molding technology.
- All thread inlet made from 30% glass filled PP provides higher strength, temperature and pressure limits.
- HDPE Liner wall thickness available from 3.0 mm to 8.0 mm corresponding to the tank diameter.
- Water contact parts are made by Food-Grade materials.
- All FRP tanks are 100% rustproof and corrosion resistant.

- Full choice of FRP tank from 5"-63" in diameter and from 13"-86" in height.
- Top and bottom opening type available for some of FRP tanks.
- Reinforced omposites are one third the weight of steel tanks.
- Scientific structure insures the base can endure impact and abrasion and provides better performance.
- Nice appearance, constant dimension.
- We provide more accessories and fittings on water treatment related to FRP tanks, save time and money for you.



HDPE - HIGH DENSITY POLYETHYLENE
HDPP - HIGH DENSITY POLYPROPYLENE

- **Test**

250,000 times of cycle test from 0-150psi withstanding pressure (NSF's requirement is 100,000 times)
Burst test to FOUR times of its operating pressure. (600 psi)

12-07-057

AQUATEK®
Care For Health

Automatic Controller Valve

Controller Model ..... Time Type/Down-flow
suited Pressure ..... 0.150~0.6MPa
Transformer Input ..... 100~24V/50~60Hz
Suited Water Temperature ..... 5-45°C

TM.F63B

TM.F74A

AQUATEK® Care For Health

Service Position

INLET
↓
VALVE CORE
↓
RISER PIPE OUTSIDE
↓
RESIN TANK
↓
BOTTOM STRAINER
↓
RISER PIPE
↓
VALVE CORE
↓
OUTLET

Technical Parameter

	TM.F63B	TM.F74A
Inlet	1 " M	2 " M
Outlet	1 " M	2 " M
Drain	1/2 " M	1 " M
Riser Pipe	1.05 " OD	1-1/2 " D-GB
Base	2-1/2-8NPSM	4 " 8UN
Riser Pipe Capacity	3/8 " M	1/2 " M
Water Capacity	4.5 th	10 t/h

Range of Application

Household Purify, Soften system.
Boiler Softening Water System.
Ro Pre-treatment System.
Ion Exchange Equipment

Product Characteristics

- More reliable way of opening and close
- Manual function
- Keyboard locked function
- It adopts LED dynamic colourful screen
- Prompt power cut secularly
- No coming water while single pot type control valve regeneration
- Two kinds of counted modes for running (by day or hour)
- Having output signal connector

DISTRIBUTOR...

Manual Multi- port Valve for Water Treatment Systems

AQUATEK

Manual Multi-Port Valve

Model : Manual valve

TM. F56A

Code : 0902003

Model : Manual valve

TM. F56A

Code : 0902005

Model : Manual valve

TM. F56E

Code : 0902011

Model : Manual valve

TM. F56F1

Code : 0902010

Model : Manual valve

TM. F64A

Code : 0902004

Model : Manual valve

TM. F64A

Code : 0902006

Model : Manual valve

TM. F56D

Code : 0902008

Model : Manual valve

TM. F64D

Code : 0902009

Technical Parameter

Model	TM. F56A	TM. F56A	TM. F56E	TM. F56F1	TM. F64A	TM. F64A	TM. F56D	TM. F64D
Handle	Metallic Handle	Plastic Handle	Metallic Handle	Metallic Handle	Metallic Handle	Plastic Handle	Plastic Handle	Plastic Handle
Product Code	0902003	0902005	0902011	0902010	0902004	0902006	0902008	0902009
Inlet	1" F	1" F	3/4" F	1" F	1" F	1" F	2" F	2" M
Outlet	1" F	1" F	3/4" F	1" F	1" M	1" M	2" F	2" M
Drain	1" F	1" F	3/4" F	1/2" M	1" M	2" M	1" F	3/4" M
Riser Pipe	1.05" OD	1.05" OD	1.05" OD	1" -D-GB	1.05" OD	1.05" OD	1.-1/2" D-GB	1.-1/2" D-GB
Base	2.5"-8 NPSM	2.5"-8 NPSM	2.5"-8 NPSM	2.5"-8 NPSM	2.5"-8 NPSM	2.5"-8 NPSM	4"-8UN	4"-8UN
Brine Line Connector	-	-	-	3/8" M	3/8" M	3/8" M	-	1/2" M
Water Capacity	4.5 m^3/hr	4.5 m^3/hr	2 m^3/hr	6 m^3/hr	4.5 m^3/hr	4.5 m^3/hr	10 m^3/hr	10 m^3/hr

MEMBER Water Quality ASSOCIATION No.100/184

SERVICE POSITION

INLET
↓ VALVE CORE
RISER PIPE OUTSIDE
↓
RESIN TANK (OR FILTER TANK)
↓ BOTTOM STAINER
RISER PIPE
↓ VALVE CORE
OUTLET

Product Characteristics

- Adopt the high degree pottery , seal slice with scuff resistance , corrosion proof , perfect sealing , and long time for using.
- Small rotation angel for closing and opening , It feels well for operation.
- If could operate with pressure , no leakage.
- For TM.F64A and TM.F64D : Manual operate directly realize regeneration immediately. Cleaning the ejection nozzle automatically when adding water , to prevent block. No coming water while single pot type control valve regeneration. When do not need soften function , block ejection nozzle could do purifier treatment.

Range of Application

- Household Purity , Softener System.
- Boiler Softening Water System.
- RO Pre -Treatment System

Control Model : *Manual*

Suited Pressure : *0.1-0.6 Mpa.*

Suited Water Temperature : *5 -45°C*

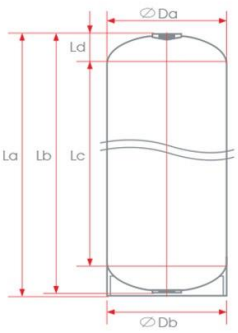
SPECIFICATION

AQUATEK® Care For Health

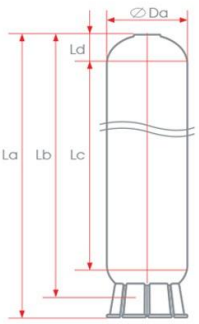
No.	Size /Inchs	Volume(L)	Weight(kg)	Opening		Base	Dimension mm					
				Top	Bottom		La	Lb	Lc	Ld	Da	Db
1	07x13	6.3	1.47	2.5"-8-NPSM	N/A	Standard	335	331	217.1	47.5	182	190
2	07x17	8.5	1.72	2.5"-8-NPSM	N/A	Standard	437	432	318.1	47.5	182	190
3	07x35	19.1	2.95	2.5"-8-NPSM	N/A	Standard	896	891	777.1	47.5	182	190
4	07x44	24.3	3.67	2.5"-8-NPSM	N/A	Standard	1123	1118	1004.1	47.5	182	190
5	08x13	7.4	1.6	2.5"-8-NPSM	N/A	Standard	325	320	181.9	68.1	207	215
6	08x17	10.5	2.3	2.5"-8-NPSM	N/A	Standard	437	432	307.1	54.4	207	215
7	08x35	23.6	4.05	2.5"-8-NPSM	N/A	Standard	897	891	766.1	54.4	207	215
8	08x44	31.3	4.45	2.5"-8-NPSM	N/A	Standard	1122	1118	993.1	54.4	207	215
9	09x17	14	2.76	2.5"-8-NPSM	N/A	Standard	439	432	292.3	61.3	233	242
10	09x35	31.6	4.66	2.5"-8-NPSM	N/A	Standard	898	891	745.4	61.7	233	242
11	09x42	38.5	5.18	2.5"-8-NPSM	N/A	Standard	1074	1067	921.4	61.7	233	242
12	09x48	44.6	6.46	2.5"-8-NPSM	N/A	Standard	1228	1221	1075.4	61.7	233	242
13	10x18	18.3	3.19	2.5"-8-NPSM	N/A	Standard	461	458	306	69.1	259	268
14	10x35	38.3	4.93	2.5"-8-NPSM	N/A	Standard	893	891	739	69.1	259	268
15	10x44	48.8	6.19	2.5"-8-NPSM	N/A	Standard	1121	1118	966	69.1	259	268
16	10x54	61	7.69	2.5"-8-NPSM	N/A	Standard	1381	1378	1226	69.1	259	268
17	12x48	78.54	8.05	2.5"-8-NPSM	N/A	Standard	1233	1218	1121.7	98.6	307	315
18	12x52	84.7	8.63	2.5"-8-NPSM	N/A	Standard	1338	1324	1126.7	98.6	307	315
19	13x44	84.8	8.28	2.5"-8-NPSM	N/A	Standard	1145	1131	936.4	88.3	335	349
20	13x54	105.7	10.6	2.5"-8-NPSM	N/A	Standard	1398	1384	1194.0	86.3	335	349
21	14x65	148	14.8	2.5"-8-NPSM	N/A	Standard	1674	1624	1398.0	117.5	366	/
22	14x65	148	14.8	4"8-UN	N/A	Standard	1674	1624	1400.5	115.0	369	/
23	16x65	188.6		2.5"-8-NPSM	N/A	Standard	1706	1656	1386.37	127.1	413	/
24	16x65	188.6		4"-8-UN	N/A	Standard	1705	1655	1393.25	119.5	413	/
25	18x65	257		4"-8-UN	N/A	FRP St	1722	1661	1315	156.1	495	/
26	18x65D	257		4"-8-UN	4"-8-UN	tripod	2027	1661	1314.57	156.1	495	/
27	21x62	330		4"-8-UN	N/A	FRP St	1721	1675	1314	176.6	559	/
28	21x62D	330		4"-8-UN	4"-8-UN	tripod	2064	1676	1314	176.6	559	/
29	24x72	494		4"-8-UN	N/A	FRP St	1918	1875	1482.5	193.2	618	/
30	24x72D	494		4"-8-UN	4"-8-UN	tripod	2168	1872	1516.37	193.2	618	/
31	30x72	728		4"-8-UN	4"-8-UN	tripod	2140	1812	1280	249.1	780	/
32	36x72	1020		4"-8-UN	4"-8-UN	tripod	2150	1810	1397	290.7	930	/
33	42x72	1580		6-FLG	6-FLG	tripod	2400	2110	1111.0	416.9	1110	/
34	48x72	1918		6-FLG	6-FLG	tripod	2400	2110	1004.5	469.8	1230	/
35	58x72	2720		6-FLG	6-FLG	tripod	2420	2120	1001.0	559.5	1500	/
36	63x72	2248		6-FLG	6-FLG	tripod	2025	1700	557.0	586.4	1598	/
37	63x86	3092		6-FLG	6-FLG	tripod	2465	2140	1002.0	586.4	1598	/

Operation Pressure : 150psi (10.5Bar)
Operation Temperature : 34-122°F (1-50°C)
Max Vacuum : 140 mm Hg
Mini exposed Temperature : -30°C (-22°F)

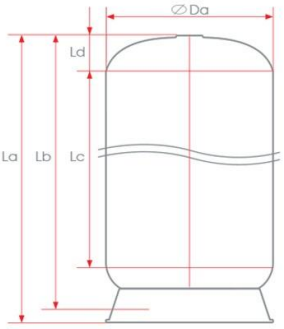
13" Below



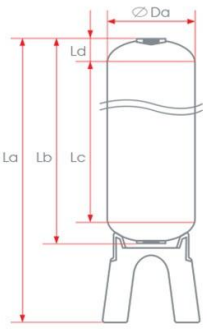
14"~16"



16"~36" Top Opening



18" Top and Bottom Opening



•High Dessity Polyethylene (HDPE Tank Liner)

- Strict dimensional control. (+/- 3mm overall length)
- High tensile strength (HDPE 4550 PSI vs. LDPE 1700 PSI)
- Light weight
- Good impact resistance
- Low moisture absorption

•High Density Glass Filled Polypropylene Threads

- High strength
- High chemical resistance
- High temperature resistance / melting point (150 to 200 degrees F)
- Abrasion Resistance
- Lighweight
- Excellent Dimensional Stability