

A B O U T



MPE Company is specialized in the field of water treatment. Also we are leading importing and supply water treatment equipment in Sri Lanka.

O U R V I S I O N

MPE vision is to be the innovative provider of total water solutions in Sri Lanka.

O U R M I S S I O N

MPE will be recognized as the most innovative and flexible provider in the field of Total Water Management by focusing on safe, economical and environmentally sound solutions. Our employees will provide the most cost-effective integrated solutions comprised of engineering, equipment, chemistry and service to improve customer operations. We are committed to providing our employees with opportunities for learning and personal growth. Creativity and innovation are encouraged for improving effectiveness of our solutions. Employees will be provided the same respect and responsiveness within the organization which they are expected to share with customers. We will have innovative technical solutions to customer problems.

RO MEMBRANE



MODELS AND APPLICATIONS OF MEMBRANE ELEMENTS

- Reverse osmosis (RO) and nanofiltration (NF) membrane elements can be divided into “industrial” , “commercial” , “residential” three series according to the application field.
- RO membrane has brackish water (BW), ultra-low pressure (ULP), extreme low pressure (XLP), fouling resistant (FR), sea water desalination model (SW) etc. according to its performance.
- NF membrane has high flux (NF2), high rejection (NF1), material separation model (NF-F) etc. according to its performance.
- Flat sheet membrane types: brackish water (BW), high rejection (ULP-HR), high flux (ULP), extreme low pressure (XLP), high rejection (NF1), high flux (NF2).

RO DRINKING WATER SYSTEM

Reverse Osmosis household drinking water purification systems are commonly used for improving water for drinking and cooking. Such systems typically include a number of steps: A sediment filter to trap particles including rust and calcium carbonate optionally a second sediment filter with smaller pores. An activated carbon filter to trap organic chemicals, and chlorine which will attack and degrade TFC reverse osmosis membranes A reverse osmosis (RO) filter which is a thin film composite membrane Optionally a second carbon filter to capture those chemicals not removed by the RO membrane. Optionally an ultra-violet lamp is used for disinfection of any microbes that may escape filtering by the reverse osmosis membrane.



UV WATER STERILIZER

Ultraviolet sterilization is considered to be one of the most effective water treatment methods for disinfection. UV sterilizers work quickly in targeting and stabilizing all biological impurities found in water. Additional chemicals are not needed, therefore saving costs, including containing no danger of overdosing. Once the sterilization process is complete, up to 99% of germs will be killed in under 10 seconds of exposure to the UV light. Ease of installation, no alteration of pH, taste, and other elements of water gives UV water treatment its esteemed reputation. With expertise of Pure Aqua ultraviolet water sterilizers, you will receive economical solution that creates value for you while reducing your operating costs for reverse osmosis units.

FILTER CARTIGE HOUSING



The slim blue filter canister with a cap and a housing wrench. There is can be a metal bracket installed on the top of the housing. This water canister is used mainly at hotel or at your housing mains fed water supply room. The housing installed. This can block the puritans coming into your house water system.

Features :

- Your first choice for your whole house system
- Max working pressure is 130PSI
- The breaking point is 340PSI
- CYS testing is 0-150PSI with 10000 times
- The breaking point available: 1/4", 3/8", 3/4", 1"
- The material available for the port: Brass or plastic
- Filter cartridge inside the filter canister can be optional

FRP VESSELS



Quick Details :

- Place of Origin: Jiangsu, China
- Brand Name: HY tank
- Model Number: Dia.8" to 63" inch
- Color: Blue / Nature / Gray
- Label: Martin / HuaYu
- Working pressure: 150 psi

PRODUCT RANGE

- FRP-VESSEL- 07x35
- FRP-VESSEL- 08x44
- FRP-VESSEL- 10x54
- FRP-VESSEL- 12x52
- FRP-VESSEL- 13x54
- FRP-VESSEL- 14x65
- FRP-VESSEL- 16x65
- FRP-VESSEL- 18x65
- FRP-VESSEL- 21x62
- FRP-VESSEL- 24x72
- FRP-VESSEL- 30x72
- FRP-VESSEL- 36x72

Specification :

- Inner shell: Polyethylene (PE) seamless one-piece tank liner
- Outer shell: Continuous strands of fiber-glass with high strength epoxy resin
- Bottom base: FRP reinforced tripod base
- Opening: 2.5" & 4" precision injected model with threaded opening for 8" to 36" diameter tanks
- Opening: 6" Aluminum flange (anti-corrosion coating) opening for 36" to 63" diameter tanks
- Working Pressure: (a)=1.0MPa(150PSI)
- Maximum Vacuum: 127mmHg(5"Hg)
- Certificates: CE ; NSF ; ISO9001 ; etc...
- Working Temperature: =49° C
- Maximum Temperature: 40C (104F)
- Media: Water

Multiport Valves : AUTO SOFTNER MULTIPOINT VALVE



Sizes : inlet / outlet: 3/4 / 1 in / 1.5 in / 2 in

TECHNICAL PARAMETER :

- Controller model: Volume type / Down-flow
- Suited pressure: 0.1 - 0.6MPa
- Suited water temperature: 5-45
- Water Capacity: 4.5t/h
- Tank Diameter Range for Softens: 6"-18"
- Water Inlet/Outlet: 1" M (Outer tooth)
- Drain: 1/2" M (Outer tooth)
- Brine Tank Connection: 3/8" M (Outer tooth)
- Rinse Pipe: 1.05" OD (26.7mm)
- Base (The connector for tank): 2-1/2" 8NPSM

FEATURES :

- More reliable way of opening and close
- Manual function : When it out of electricity or controllers do not work properly, will operate by the hand-wheel.
- Keyboard locked function: The key set will lock automatic exceed one minute, you must open the lock over again when you operate, prevent wrong operation.
- It adopts LED dynamic colorful screen: The colorful screen flicker express it is in the state of running, otherwise express it is in the state of regeneration.
- Prompt power cut secularly: Out of electricity exceed three days, you must reinstall the currently time when the timepiece flicker ceaselessly, the already setting time is not changed.
- No coming water while single pot type control valve regeneration
- Having output signal connector: via three port of open, close, common down-lead to connect the electromagnetism valve or increase-pressure pumps.
- Two modes of flow meter: By changing the process parameter to realize to change the mode to be volume delayed (A-01) or volume timely (A-02).
- It could set up maximum interval regeneration days: This parameter means no matter how much flux it is set, or how much flux treated, when it exceeds the maximum interval generation days (could be set within 0 to 40 days), than it will start up regeneration although the flux is not reached the set value.



Sizes : inlet / outlet: 1/2 in / 3/4 in / 1 in / 1.5 in / 2 in

FEATURES :

- Adopt the high degree pottery, seal slice with scuff resistance, corrosion proof, perfect sealing, and long time for using.
- 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

Multiport Valves : MANUAL SOFTNER MULTIPOINT VALVE

TECHNICAL PARAMETER :

- Controller model: Manual / Down-flow
- Suited pressure: 0.1 - 0.6MPa
- Suited water temperature: 5-45
- Water Capacity: 4.5t/h
- Tank Diameter Range for Softens: 6"-18"
- Water Inlet/Outlet: 1" F (Inner tooth)
- Drain: 1/2" M (Outer tooth)
- Brine Tank Connection: 3/8" M (Outer tooth)
- Rinse Pipe: 1.05" OD (26.7mm)
- Base (The connector for tank): 2-1/2" 8NPSM

Multiport Valves :

MANUAL FILTER MULTIPOINT VALVE



Sizes : inlet / outlet: 1/2 in / 3/4 in / 1 in / 1.5 in / 2 in

TECHNICAL PARAMETER :

- Controller model: Manual Suited
- Suited pressure: 0.1 - 0.6MPa
- Suited water temperature: 5-45
- Water Capacity: 4.5t/h
- Tank Diameter Range for Softens: 6"-12"
- Water Inlet/Outlet: 1"F (Inner tooth)
- Drain: 1"F (Inner tooth)
- Rinse Pipe: 1.05"OD (26.7mm)
- Base (The connector for tank): 2-1/2" 8NPSM

FEATURES :

- Adopt the high degree pottery, seal slice with scuff resistance, corrosion proof, perfect, sealing, and long time for using.
- Reasonable fluid design: Service—Fast Rinse—Backwash—Fast Rinse—Service.
- Small rotation angle for closing and opening, It feel swell for operation.
- It could operation with pressure, no leakage.



Sizes : inlet / outlet: 3/4 in / 1 in / 1.5 in / 2 in

TECHNICAL PARAMETER :

- Time type / Up-flow
- Suited pressure: 0.1 - 0.6MPa
- Suited water temperature: 5-45
- Water Capacity: 10t/h
- Tank Diameter Range for Softens: 10"-30"
- Water Inlet/Outlet: 2"M (Outer tooth)
- Drain: 1"M (Outer tooth)
- Brine Tank Connection: 1/2"M (Outer tooth)
- Rinse Pipe: 1-1/2" D-GB
- Base (The connector for tank): 4" -8UN

Multiport Valves :

AUTO FILTER MULTIPOINT VALVE

FEATURES :

- More reliable way of opening and close.
- Keyboard locked function: The key set will lock automatic exceed one minute, you must open the lock over again when you operate, prevent wrong operation.
- It adopts LED dynamic colorful screen: The colorful screen flicker express it is in the state of running, otherwise express it is in the state of regeneration.
- Prompt power cut secularly: Out of electricity exceed three days, you must reinstall the currently time when the timepiece flicker ceaselessly, the already setting time is not changed.
- No coming water while single pot type control valve regeneration
- Two kinds of counted modes for running: switch the "ON" and "1" which in the electrical control main board to reach the purpose of running by day or hour. It will take effect when restart.

MICRON FILTER CARTRIDGE / CTO / UV BULB



WATER TEST KIT



Hardness Test Kit / Chlorine Test Kit / PH Test Kit

TDS & PH PEN



TDS Meter Test Pen Digital Electric Portable Water Hydroponics Aquarium Tester



PH Meter Test Pen Digital Electric Portable Water Hydroponics Aquarium Tester