Industrial USE RO System

HYUNDAl Wcortec Industrial System is the best choice for their proven reliability, design simplicity and responsive service support.

INRO 7~70 ton

Features of INRO

- · Low pressure, high Flux R/O Membrane.
- · Efficient auto flushing feature.
- Various use of product water.
- · Easy to install and move.
- · Compact size to minimize required space.





INRO 20 ton





Dual RO System

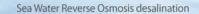
EDI System

Optimal system for various application

We provide best solution with client circumstance and required capacity by our optimal pretreatment system with the advanced RO system.

Easy Installation

The package unit of RO desalination system is easy to install and move and it can produce treated water right away after connecting pipe line.





Industrial water treatment system

This system is for supplying the water for living such as cleaning, washing and bathing etc in large consumed place like a large house, school, factory, Building etc. The 4 stage filtering system can be treated raw water efficiently to supply the optimal water for living.

Optimal system

We provide best solution with client circumstance and required capacity by our optimal pretreatment system.





Industrial water treatment system (Removal of Arsenic)

Water treatment system is for supplying big capacity water for living such as cleaning, washing and bathing etc in large consumed place like a large house, school, factory, Building etc. It is available to add DE ARSENIC FILTER SYSTEM on water pretreatment system for removing harmful arsenic in the raw water effectively to supply safe water.

Whole house water treatment system

This systems are installed at the main water line where water first enters

Pretreated water is delivered to all sinks, baths, showers, washing machines and toilets - basically covering the whole house.



Water treatment system

Portable Mobile water treatment system

Mobile water treatment system is suitable for providing drinking water to places which do not have water supply facilities.

This system can be easily transported by a standard truck or trailer, provides the best solution for the supply of clean and potable water directly to location site in emergency situation such as natural disasters, accidents and/or war.



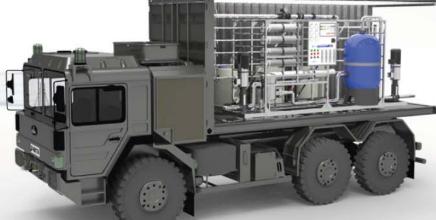




Usage of the Mobile water treatment system:

Emergency situation such as natural disasters, accidents and/or war





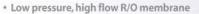
Optional Filter System!

Commercial USE RO System





HIRO system using Reverse Osmosis technology, is designed to supply clean and safe water to the whole house, & restaurant, hospital and etc.



: Reduced the pressure and noise from pump and remained the high Salt rejection rate.

· Easy to operation

: One step operating & controlling system

Compact design
 : Well planned design and easy to connection to Inlet, Outlet and Drain line.

· Inflow control & produced water TDS indicator

: Available to check water flow by using flow meter and check TDS of treated water on

: UV Filter system prevents 2nd pollution of produced water through RO system.





HIRO 3~10 ton



System Composition of HCRO Series						
HCRO-300	(300GPD * 1)					
HCRO-600	(300GPD * 2)	_				
HCRO-900	(300GPD * 3)					

HCRO-300

- Commercial 6-Stage Stand type
- 11G Pressure water tank set





 HIGH capacity Commercial UF System UF Membrane * 3



HCUF System



Group Water Supply Systems

School catering, Factory Restaurant, Large scale of restaurant, Church, Other public places.

Group Water Supply System is used for public place like office, Educational Facilities, Government offices, Foodservice Facilities, Dining Rooms, Factories and other places.



Portable Bottled Water Factory

Full automatic system for one man factory small scale water factory. military, large scale hotel, resort, company

This equipment can perform entire of mineral water bottling process by one unit. The Portable Mineral water factory is designed for filling mineral water in 3 gallon or 5 gallon bottle automatically. This all one system is suitable for producing Bottled water in small scale factory or one-man factory. Available to add Reverse Osmosis water purification system optionally to supply clean and safe drinking water if raw water condition is bad.



- Applied the HEPA filter air purification system for maintaining Clean and hygienic production space.
- Applied the UV filter and UV lamp for sterilization of mineral water and bottle cap to prevent secondary pollutant.
- Available to choose Ozone water system(option) for sterilization of bottle.
- R/O water purification system(option)





- Full Automatic Operation
- Easy Start-up
- Compact Design
- Various Application
- Optional filter system



RO Water Vending Machine



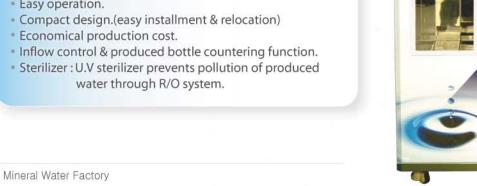


* Portable Mineral Water Vending Machine

- · Selling drinking water at any time by payment system.
- Available to adopt various payment system optionally. (COIN. BILL, IC CARD, ETC)
- All process is doing automatically by PLC(Programmable Logic Controller) control.
- Keep clean and hygienic use by Dual UV sterilization system.
- Producing drinking water and selling in real time without the storage.
- Applied the submersible pump for low noise considering indoor installation.

Portable Mineral Water Vending Machine

- Low pressure, high flow R/O membrane.
- Easy operation.
- Economical production cost.
- Sterilizer: U.V sterilizer prevents pollution of produced water through R/O system.





Emergency Drink Water Supply System

Possible to Remove all contaminants of radioactive & NBC.(nuclear, biological and chemical)

Portable Water Purification System

EMRO series, portable water purification system, is a vehicle equipped products with a high-speed water purification System. Therefore, it is very suitable for countermeasures against natural calamities and water supply during natural disaster, warfare.



- Reverse Osmosis System with a maximum capacity of 125L/h. Portable water purification system is a vehicle equipped with a high-speed water purification system having a treatment capacity of over 125 liter per hour.
- This single-body system does not require any additional devices which can be operated without outside power supply.



River & Lake

- Reverse Osmosis System with a maximum capacity of 125L/h. Have same Purification Capacity with Gasoline engine type. Possible to supply enough drinking water for people of 30~200.
- Electric power driven type.

EMRO-30E (River & Lake) W460 x D730 x H380

Sea & River

- Reverse Osmosis Systems with Maximum capacity. EMRO-20S can supply maximum 90 liters per hour of the treated water from Seawater, and maximum 200 liters per hour of the treated water from River & Lake.
- · Suitable to use in the boat.



EMRO-20S (Sea & River) W450 x D860 x H590

Which can be operated without outside power supply.

Non-powered Portable R/O Water Purufucation Equipment



Possible to Remove all contaminants of radioactive & NBC.(nuclear, biological and chemical)



PATENT APPLICATION No. 10-1266229

OPTION: Carrier type or backpack type.

HPRO-201

* Handle-powered equipment

- You can turn the handle without power connection and raise pressure generation and then operate it.
- By compact design and light weight(8.3kgs), Maximize mobility and portability.
- Available to purify river, lake or underground water.
- Available to use the system without electricity supply.(Non-power approach)

* Dual driving systems

: Available to select driving types depending on situation

A. Electric

 Operation by a pressurized pump with AC adaptor which is available to operate this system in any area possible of AC 100-220V power.

B. Non powered (Mechanical)

- Simply spin the manual handle without power connection and raise pressure generation and then operate this equipment, Simple mechanical structure leads to no failure.
- Made by PP hard case thus Solid, and Easy to carry by compact design.



Electric Drive

Non-Powered Drive

HPRO-301 W560 x D350 x H230

Ultra Pure Water System

The qualified parts application for drinking water





Dual TDS Monitor

BIF

Leak Detector senses

00000

Lab water system

Optimal system for laboratory and medical use.

- Fully meet the demand water quality.
- Advanced RO system with Deionization system.
- · Full automatic control.
- · Easy maintenance.

Applications

- Pharmaceutical industry
- Analytical Research Laboratories
- Drug Screening Laboratories
- Clinical Testing Laboratories
- Biotechnology Industry



- Size: 450 W x 400 L x 930H
- G.Weight: 37kg



WATER FILTERS



Pre-Carbon Filter

HWF-1002



Model No. Length Type Diameter

11"

13"

UF Membrane Filter

Removal Dirt, Virus & Bacteria

Model No. Length

11"

13"

Trype

U type



Pre carbon filter is composed of high-performance activated carbon that removes chlorine, odor, organic contaminants, pesticides and chemicals that affect to taste and odor.

2.5"

UF membrane filter removes high molecular-weight substances, colloidal materials, and organic and inorganic polymeric molecules, bacteria up to 99.99% except minerals.

2.5"

Type Diameter

U type

Granular Activated Carbon. Taste/Odor/Chlorine Filter Cartridge



Description Flow rate: 0.5GPM(1.9LPM)

*Working Pressure : 1.5-8.0kgf/cm²

Description

* Flow rate : 0.5GPM(1.9LPM) * Working Pressure: 1.5-4.5kgf/am/

*Temperature:1-45 °C

* Service Life: 12months

*Temperature:1-38°C

Service Life : 6-9months



Sediment filter is designed to remove fine dirt, dust and particulates in

Dirt, Sand, Rust Removal & other Solid Particles Reduction

Model No.	Length	Type	Diameter	Description
HWF-1001	8"	I type U type	2.5"	* Flow rate : 0.5GPM(1.9LPM) *Working Pressure : 1.5-8.8kgf/caf *Temperature : 1-38 °C * Service Life : 3-6months
	9"			
	11"			
	13"			



WATER FILTER SET

Post-Carbon Filter

Water filter package

Sediment Filter

Post carbon filter is designed to removes residual impurities, Chlorine and odors from pre treated the water by high grade activated carbon

Preventing propagation of bacteria. Eliminating unpleasant smell Taste & pigments

Model No.	Length	Type	Diameter	Description
	8"	I type U type	2.5**	*Flow rate:0.5GPM(1.9LPM) *Working Pressure:1.5-8.0kgf/cdf *Temperature:1-38 °C *Service Life:9-12months
HWF-1003	9"			
HWI-1003	1.1"			
	13"			

1sets of

4stage filters for

1year for home use



HWF-1004







High quality water filters of HYUNDAI WACORTEC CO., LTD

Water filters are produced under the strict quality control of HYUNDAI WACORTEC CO., LTD as HI-SEOUL BRAND's products.

It can supply the clean water that is purified by the superior technology of HYUNDAI WACORTEC CO., LTD.

Available to choose various filters

There are various kinds of Water filters that users can select.

APPL

WATER FILTERS



TCR Filter

TCR filter is composed of high-grade activated carbon to improve taste of water and provides a finer conditioning of pure water.

Elimination of residual chorine, odor and taste from the pre-filtration Enhancement of taste of water

Model No.	Length	Туре	Diameter	Description
HWF-1005	9"	Ltype	2"	*Flow rate: 0.5GPM(1.9LPM) *Working Pressure: 1.5-8.0kgf/cmf *Temperature: 1-38 °C *Service Life: 9-12months



Post carbon block Filter (PCB Filter)

Post carbon block filter is designed to removes residual impurities chlorine and odors from pre treated the water for improving taste of water.

CTO-Coconut Carbon Taste / Odor / Chlorine Filter Cartridge

Model No.	Length	Type	Diameter	Description
HWF-1007	8"	I type U type	2.5"	*Flow rate : 0.5GPM(1.9LPM) *Working Pressure : 1.5-8.0kgf/cmf *Temperature : 1-38 °C
	9"			
	11"			
	13"			* Service Life : 9-12months

Alka-bio Filter

Alkali & antioxidant water by alkali balls which have a special formation with abundant inorganic minerals such as Coral Sand(shells), Kaoline(powder), calcium, etc.

Model No.	Length	Type	Diameter	Description
	8"			* Flow rate : 0.5GPM(1.9LPM)
HWF-1009	9"	I type U type	2,5"	* Working Pressure : 1.5-8.0kgf/cm* *Temperature : 1-38 °C
	11"		6	
	13"			Service Life : 9-12months



De-ionization Filter

Di filter treated dissolved mineral salts from water by lon-exchange resins and produces a high purity water without scale buildup.

Ion exchange Resin / Water Softening / Decalcification Material : Mixed Ion Exchange Resin

Model No.	Length	Type	Dlameter	Description
HWF-1011	8"	1 type U type	PAPER	Flow rate : 0.5GPM(1.9LPM)
	9"		2.5"	* Working Pressure : 1.5-8.0kgf/cm
	11/		1500	* Temperature : 1-38 °C
	13"	100		*Service Life : 3-4months











Silver Carbon Filter

This filter is designed to provide enhanced taste and removal of odors and bacteria from the purified water by Antibacterial(Silver/Ag+) Activated Carbon

Effective removal of various Bacteria. Improve taste of water.

Model No.	Length	Туре	Diameter	Description
	8"	I type U type	2.5"	* Flow rate : 0.5GPM(1,9LPM) * Working Pressure : 1.5-8.0kgf/cm* * Temperature : 1-38 °C
HWF-1006	9"			
HWF-1006	11"			
	13"			* Service Life : 9-12months

Nano silver Membrane filter



Nano membrane filter removes high molecular-weight substances, colloidal materials, and organic and inorganic polymeric molecules, bacteria.

Model No.	Length	Type	Diameter	Description
HWF-1008	8"	I type U type	2.5"	* Flow rate : 0.5GPM(1.9LPM) * Working Pressure : 1.5-4.5kgf/cmf * Temperature : 1-38 °C
	9"			
	11"			
	13"			* Service Life : 12months



Nano pH Filter

The Nano Ph filter is made of special formation composite alkali filter media to produce purified alkali water (pH8.00~9.8)

Oxidation Reduction Potential Intensification Remove Active Oxygen

Model No.	Length	Type	Diameter	Description
HWF-1010	8"	I type U type	2.5"	*Flow rate :0.5GPM(1.9LPM) *Working Pressure :1.5-8.0kgf/cm *Temperature :1-38 °C *Service Life :9-12months
	9"			
	11"			
	13"			



ECO COMBO Plus Filter

Combination of Sediment and Carbon filter. Using a 1~5 micron high quality sediment filter.

Removal Dirt, Small Particles, Other minute impurities, Chlorine & Organic substances

Model No.	Length	Type	Diameter	Description
HWF-1017	11"	I type U type	2.5"	* Flow rate : 0.5GPM(1.9LPM) * Working Pressure : 1.5-8.0kgf/cm/
	13"			*Temperature: 1-38 % *Service Life: 3-6months



WATER FILTERS











KDF Filter

KDF media is a high-purity copper-zinc formulation and NSF certified USA

KDF process media will reduces or removes chlorine, iron, hydrogen sulfide, lead, mercury, magnesium, and chromium, and may inhibit the growth of bacteria, algae, and fungi.

Model No.	Length	Туре	Diameter	Description
HWF-1012	8"	I type U type	2.5"	* Flow rate : 0.5GPM(1.9LPM) * Working Pressure : 1.5-8.0kgf/cmf * Temperature : 1-38 °C
	9"			
	11"			
	13"			* Service Life : 9-12months



De-Arsenic Filter

De-Arsenic filter is very effective to remove harmful arsenic in water by strong affinity for absorbing arsenic and other heavy metals.

The inherently high adsorption capacity of De-Arsenic media has been formulated into a mechanically stable block type suitable for use in wide range of portable water applications for removing arsenic in water.

Model No.	Length	Type	Diameter	Description
HWF-1014	8"	I type U type	2.5**	* Flow rate : 0.5GPM(1.9LPM) * Working Pressure : 1.5-8.0kgf/cmf *Temperature : 1-38 °C
	9"			
	11"			
	13"			* Service Life : 3-4months



Mineral Filter

The mineral filter is specially designed to give us essential minerals for our health by using mainly Calcium, Anti bacterial, Hydrogen Reducing, Fir Mineral balls.

Removal of harmful Active Oxygen (free radical) and improvement of Comprisal of essential inorganic minerals for good health, safe drinking water by antibacterial & disinfection silver (Ag99.9%).

Model No.	Length	Туре	Diameter	Description	
HWF-1013	8"	ltype	2.5"	* Flow rate : 0.5GPM(1.9LPM)	
	9"			* Working Pressure : 1.5-8.0kgf/cm²	
	11"	U type		*Temperature:1-38°C	
	13"			* Service Life : 9-12months	



MF Membrane Filter

This filter designed to remove small particles, dirt, minuet imprurities, chemical and bacteria such as Giardia and Cryptosporidium, E.coli, etc.

Model No.	Length	Type	Diameter	Description
HWF-1015	11"	Ltype	2.5"	* Flow rate : 0.5GPM(1.9LPM) * Working Pressure : 1,5-4,5kgf/cm²
EWE-1015	13"	U type		* Temperature : 1-38 °C * Service Life : 3-6months



Mult UF Plus Filter

This filter is combined UF membrane and Carbon Block filter by special formation. It can be superseded these two filters effectively while maintaining both filters functions such as removing bacteria, chlorine, odour and bad taste.

Model No.	Length	Туре	Diameter	Description
HWF-1016	11"	Ttype	2.5"	* Flow rate : 0.5GPM(1.9LPM) * Working Pressure : 1.5-4.5kgf/oil*
HWI-1010	13"	U type	2.0	*Temperature : 1-38 ℃ *Service Life : 9-12months



Combo UF Plus Filter

This filter is combined sediment, Carbon and UF membrane filter by special formation. It can be superseded these three filters effectively while maintaining 3 kinds of filters functions such as removing particles, bacteria, chilorine, odour and bad taste.

Model No.	Length	Туре	Diameter	Description
HWF-1017	11"	l type	2.5"	* Flow rate : 0.5GPM(1.9LPM) * Working Pressure : 1.5-4.5kgf/or
741-1017	13"	U type		* Temperature : 1-38 °C * Service Life : 9-12 months



R.O Reverse Osmosis Filters

R.O Membrane Filter

100 Membrane Filter eliminates all pollutants such as heavy metals virus bacteria and organic chemicals through stomata with the size of 0.000 lum, which is 1/1,000,000 of the thickness

Advantage

- 1. The thin film of membrane sheet was made by DOW chemical US.
- 2. The life of elements is much stable and longer.
- 3. The membrane is manufactured by full automatic machine to keep quality assurance.

Product Specifications for R.O Membrane

Model Name	Permeate Flow Rate (GPD)	Applied Pressure PSI (bar)	Stabilized Salt Rejection (%)	Minimum Salt Rejection (%)	Minimum Salt Rejection (%)
50 GPD	50	60 (4.1)	98	95	Dry type elements
75 GPD	75	60 (4.1)	98	95	Dry type elements
100 GPD	100	80 (5.5)	98	95	Dry type elements
150 GPD	150	80 (5.5)	98	95	Dry type elements

- 1. Permeate flow and salt rejection based on the following test conditions: 250ppm (NaCl) softened tap water, 77° F (25°C), 15% recovery, pH 7.5
- and the specified applied pressure.

 2. Permeate flows for individual elements may vary +/-20%.
- 3. For the purpose of improvement, specifications may be updated periodically.
- 4. This Membrane is tested and certified by NSF international against NSF/ANSI standard 58 for material requirements only.

Operatina Limits

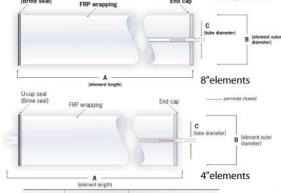
Membrane Type	Polyamide Thin-Film Composite
Maximum Operating Temperature	113°F(45°C)
Maximum Operating Pressure	125psi (8.6 bar)
Maximum Feed Flow Rate	2.0 gpm(7.6 lpm)
Ph Range, Continuous Operation	3.0 ~ 10
Maximum Feed Silt Density Index	<5
Free Chlorine Tolerance	<0.1ppm

* Service Life: 18~24 month





4040 / 8040 Filter



Size of	Singel Element	Dimension(inch)			
Elements	Recovery %	Α	В	C	
8"	15	40	8.0	1.12	
4"	15	40	4.0	0.75	

Product Specifications

1. Product flow rate and salt rejection are based upon testing conditions. For RO, 2000ppm NaCl; 225psi(1.6Mpa); 25 \odot ; pH=8; 15% recovery. 2. Fluctuation is $\pm 7\%$.











R.O Membrane 150 GPD / 300 GPD Filter

HYUNDAI Wacortec R.O (Reverse Osmosis) membrane elements for home drinking water are the industry's most reliable. Advanced membrane technology and automated fabrication allow these elements to deliver consistent performance that equipment suppliers, water treatment dealers and residential customers can rely on.

HYUNDAI Wacortec R.O elements are shipped dry for convenient handling and long self-life. These elements are SNF/ANSI standard 58 listed.







Operation Limits

BW30-400.

	Polyamide Thin-Film Composite
	450
Maximum Turbidity	1NTL
Free Chlorine Tolerance	< 0.1ppn
Continuous Operation pH Ranges	21
Short-term Cleaning pH(30min) Ranges	1-12
Maximum Feed Flow Rate	
	14 GPM(3.2m3/h
BW30-365	70GPM(16m3/h

Water Filters 36 · 37

Filter Cartridge · UV Filter

Filter Cartridge

Micro PP (0.5μm/1μm/5μm/10μm) Filter Cartridge

- · Micro PP cartridge for removal of sand, silt, dirt and Rust particles.
- Size:10"/20"
- · Service Life: 3 Month



- . Size: 10"/20" · Service Life: 3 Month
 - **Granular Activated Carbon** Filter Cartridge Removal of Foul Odors, Taste of chlorine,

bad smell and removes organic contami-

- nants in water. Size: 10"/20"
- Service Life: 6 Month

CTO Filter Cartridge

- Active Carbon Block: Chlorine reduction, Bad taste and odor reduction removing bad smell in water.
- · Service Life: 9 Month

KDF Filter Cartridge

- · Removal of Chlorine, Lead, Mercury, Iron, and Hydrogen sulfide from water supplies.
- Size:10"
- · Service Life: 9 Month

DE-IONIZATION Filter Cartridge

- DI filter catridge treats dissolved hardness contents from water by Ion-exchange resins and produces a high purity water without scale
- Size:10"/20"
- · Service Life: 6 Month

5 Inch Filter



Filter cartridge for Removal of Dirt, Sand, Rust & Reduction of Other Solid Particles This Filter is designed for reducting suspended materials suh as dirt and sand. Manufactured entirely from FDA compliant materials.

New Generation of Filter Simple, Easy and Cost Saving

Catch the Pure!

PHOTOCATALYST: It is the material that Titanium dioxide is most commonly used and it causes a catalytic reaction by light. It has Acid resistance and is good at Alkali resistance, and it is harmless to humans and can be used semi-permanently.

Effects of purifying: water by Photocatalysis

Antibacterial, Disinfectant, Deodorant and Purifying water for drinking by organic decomposition (Excellent sterilizing function of Bacteria

Features: Premium shape design

1/4" Quick connect fittings Pressure aging test on 100,000 times

No glue used in assembly

Benefits: Kill bacteria, E-coil

Safe design against over water pressure Best in household purifier or home application Assembled by Food grade material Easy to change UV replacement lamp

Components **Leak Detector**



Never! Water Leak!



Non-Electrical

Economic maintain cost due to no needed electricity. It can be installed and used for products such as water purifiers which require a function that can sense a leakage of water.

It is a semi permanent product and convenient to use that a compressed fiber is only needed to replace.

Feature / HW-PR 101

The Leak Detector is a a re-usable mechanic leakage protector.

When it detects water leakage, the valve operates and shuts down the feed water. It can be easily re-used by changing the new

The compact designed leak detector can be equipped with any device in any place.



PRESSURE REDUCING LEAK DETECTOR (HW-PR 102)

HW-PA 101

The Pressure Reducing Leak Detector is performing both leakage protecting and pressure reducing work in a device. The minimized fitting type pressure reducing valve is unified into a Leak Detector and reduce inlet water pressure by 40psi (3 bar).

HW-PA 102

Reducing Pressure & Check Valve

Features/Benefits

Pressure limiting valve reduces high water pressure from water supply. Even if the supply water pressure fluctuates, this pressure limiting valve ensures a constant flow of water.

Application

Pressure limiting valve is ideal for installation with high pressure systems to protect downstream components such as Water filters, dishwashers, washing machines (to reduce water hammer), dispensers, ice makers, coffee machines and





R.O Pump

This pump is designed for residential reverse osmosis system



R.O Booster Pump Series

PUMP Spec

DP125-50GB	OUT WATER PRESSURE : 75Psi, FLOW : 550ml/min, I : 0.45A
DP125-50G	OUT WATER PRESSURE : 100Psi, FLOW : 550ml/min, I : 0.6A
DP125-75	OUT WATER PRESSURE: 110Psi, FLOW: 550ml/min, I: 0.7A
DP125-100G	OUT WATER PRESSURE: 125Psi, FLOW: 1100ml/min, I: 0.85A
DP125-150	OUT WATER PRESSURE: 145Psi, FLOW: 1750ml/min, I: 1.17A
DP125-200W	OUT WATER PRESSURE: 130Psi, FLOW: 1950ml/min, I: 1.6A
DP125-300W	OUT WATER PRESSURE: 175Psi, FLOW: 2700ml/min, I: 1.6A

R.O Component

Pressure Water Tank



Steel Tank

Model No.	Description	PCS/CTN	ShipWT.(Kg)
WT-104	3.2GAL steel tank-blue 1/4" NPT	1	4.16
WT-103	3.2GAL steel tank-white 1/4" NPT	1	4.16
WT-108	5.5GAL steel tank-blue 1/4" NPT	1	4.72
WT-108-2	5.5GAL steel tank-white 1/4" NPT	1	4.72
WT-110	11GAL steel tank-blue 3/4" NPT	1	9

Plastic Tank

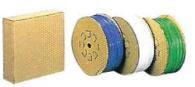
Model No.	Working Pressure	Bottom air charge Pressure	Box size(mm)
NPTK-3G	50 PSI	5~7 PSI	245×245×350
NPTK-4G	50 PSI	5~7 PSI	280×280×410

Size Available

PART No.	OD	ID	COIL LENGETH
HW-TU-14	1/4"	0.170"	300M
HW-TU-516	5/16"	0.187"	200M
HW-TU-38	3/8"	0.250"	200M
HW-TU-12	1/2"	0.375"	100M

Working Pressure and Temperature

Tube OD		Tube ID	Tube OD		Tube ID
1/4"	×	0.170"	1/2"	×	0.375"
5/16"	×	0.187"			
3/8"	×	0.25"			
230psi@20°	C/1	20psi@65°C	150psi@2	0°C / 90	psi@65°C





Pressure Reducer

Common specifications

Items	Standard Specifications	
Usage liquid	Purified water	
Operating pressure (P1)	0.2~10kgf/cm' [0.02~0.98Mpa]	
Reducing pressure (P2)	3kgf/cm*±10%	
Rated flow	7.0ml/min1(P1:6.0kgf/cm P2: 3.0kgf/cm Setting)	
Pressure resist (Water pressure)	19.5kgf/cm [1.95MPa]	
Working Temperature	1~40°C	
Valve construction	Diaphragm type	
Installing position	Free	





VIPPLE TYPE

P1	P2(Reducing pressure)	Bracket	Stem OD
0.2~10kgf/cm²	3kgf/cmt±10%	×	1/4"
0.2~10kgf/cm²	3kgf/cm²±10%	0	1/4"

FITTING TYPE

P1	P2(Reducing pressure)	Bracket	Tube OD
0.2~10kgf/cm	3kgf/cm*±10%	×	1/4"
0.2~10kgf/cm*	3kaf/cm²±10%	0	1/4"

Solenoid Valve

Common specifications

Items	Standard Specifications	
Usage liquid	Purified water	
Operating pressure	0.2~10kgf/cm* [0.02~0.98Mpa]	
Pressure resist (Water pressure)	19.5kgf/cm' [1.95MPa]	
Rateed voltage	DC12V,DC24V,AC110 50/60Hz,ac220v 50/60Hz	
Rated voltage range	-15% ~ ±10%	
Duty time	Continous	
Working Temperature	1~40℃	
Wire Insulation type	E 2UEW(120°C Urethane Enamel Wire)	
Ambient temperature	Less then 40°C	
Valve construction	Pilot-type poppet	
Temperature rise at coil	Less than Maximum 80deg when applied rated voltage	

NIPPLE & FITTING TYPE

Operating	Rated voltage	Bracket Hole	Inlet	outlet
pressure				
0.2~10kgf/cmf	DC12V, DC24V	35.5~45.5mm	1/4"	1/4"
0.2~10kgf/cm ^c	AC220V 50/60Hz	35.5~45.5mm	1/4"	1/4"





Components 40 · 41

FLOW RESTRICTOR



- Operation Pressure: 3kgf/cm²
- Max. Pressure: 15kgf/cm
- Flow Rate (ml/min): 250,350,420,600,800

Part No.	Tube OD	Tube OD
HW-FR-250	1/4"Tube	1/4"Tube
HW-FR-350	1/4"Tube	1/4"Tube
HW-FR-420	1/4"Tube	1/4"Tube
HW-FR-600	1/4"Tube	1/4"Tube
HW-FR-800	1/4"Tube	1/4"Tube

Check Fitting



- High pressure check fitting (Blue collet) : HW-NST-900, HW-ST-900
- Low pressure check fitting (Green collet): HW-NST-901, HW-ST-901
- Reverse flow preventing fitting
- Minimized design
- Pressure rang: 0.1~10kgf/cm²

Part No.	Tube OD	Tube OD
HW-NST-900H	1/4"Tube	1/4"Tube
HW-NST-901L	1/4"Tube	1/4"Tube
HW-ST-900H	1/4"Tube	1/4"Tube
HW-ST-901L	1/4"Tube	1/4"Tube

Ball Valve, NA-01 & NA-02



Ball Valve, NA - 01

Clips & Wrench



Ball Valve, NA - 02

Auto Shut-off valve



Diaphragm type direct acting Aut Shutoff Valve which is installed in the Reverse Osmosis type water purification

Port Type	Fitting-Fitting
Working Temperature	1~40 °C
Burst Pressure	480psi(33bar)
ON Pressure	15±15%
OFF Pressure	63±15%
Operating Pressure Range	28~120psi(2.0~8.5bar

High Pressure & Low Pressure Switch



This high pressure switch can be used on our standard booster pumps to switch them off when a storage container or pressure tank is full.

High Pressure Switch



Low Pressure Switch

This low pressure switch can be used on our standard booster pumps to switch them off when the supply pressure to the pump drops below recommended levels.

Drain Connector



Chrome plated Polished finish.

Drain saddles connector is for reverse osmosis systems connects reverse osmosis system drain tube to sinks

Includes two screws.

TDS meter Brass body



- 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)

Speed Fitting



I - Fitting



Tube OD Tube OD

1/4"Tube 1/4"Tube

5/16"Tube 5/16"Tube

Tube OD Tube OD

1/4"Tube 3/8"Tube

HW-ST-602 1/4"Tube 3/16"Tube

1/4"Tube 5/16"Tube

Part No.

HW-ST-400

HW-ST-401



T - Fitting



Part No.	Tube OD	Thread NPTE
HW-ST-700	1/4"Tube	1/8" NPTF
HW-ST-701	1/4"Tube	1/4" NPTF
HW-ST-702	1/4"Tube	3/8" NPTF
HW-ST-703	5/16"Tube	1/4" NPTF

HW-ST-402 3/8"Tube 3/8"Tube

HW-ST-403 1/2"Tube 1/2"Tube



Reducing Elbow



Tube OD Tube OD Part No. HW-ST-1000 5/16"Tube 1/4"branch HW-ST-1001 3/8"Tube 1/4" branch

Part No.

HW-ST-600

HW-ST-601



Part No.	Tube OD	Thread NPTF
HW-ST-TC0	1/4"Tube	1/4"



Part No.	Tube OD	
HW-ST-1300	1/4" plug	
HW-ST-1301	5/16" plug	
HW-ST-1302	3/8" plug	



L - Fitting

Part No.	Tube OD	Tube OD
HW-ST-200	1/4"Tube	1/4"Tube
HW-ST-201	5/16"Tube	5/16"Tube
HW-ST-202	3/8"Tube	3/8"Tube
HW-ST-203	1/2"Tube	1/2"Tube





Stem Elbow

Part No.	Tube OD	Tube OD
HW-ST-800	1/4"Tube	1/4"Tube
HW-5T-801	5/16"Tube	5/16"Tube
HW-ST-802	3/8"Tube	3/8"Tube
	,	

Tube OD
1/4"stem
5/16" stem
3/8" stem
1/2"stem
5/16" stem
3/8"stem
1/4"stem

Tube OD Tube OD



HW-ST-900 1/4"Tube 5/16"Tube HW-ST-901 1/4"Tube 3/8"Tube HW-ST-902 3/8"Tube 1/2"Tube



Female Adaptor

Part No.	Tube OD	Thread BSP
HW-ST-1100	1/4"Tube	1/4"BSP(P
HW-ST-1101	1/4"Tube	1/2"BSP(P
HW-ST-1102	3/8"Tube	1/2"BSP(P
HW-ST-1103	1/2"Tube	1/2"BSP(P



Tube OD Tube OD HW-ST-1200 1/4" 1/4"



Part No. Tube OD Tube OD HW-ST-1400 1/4"Tube 1/4"Tube HW-ST-1401 BASE



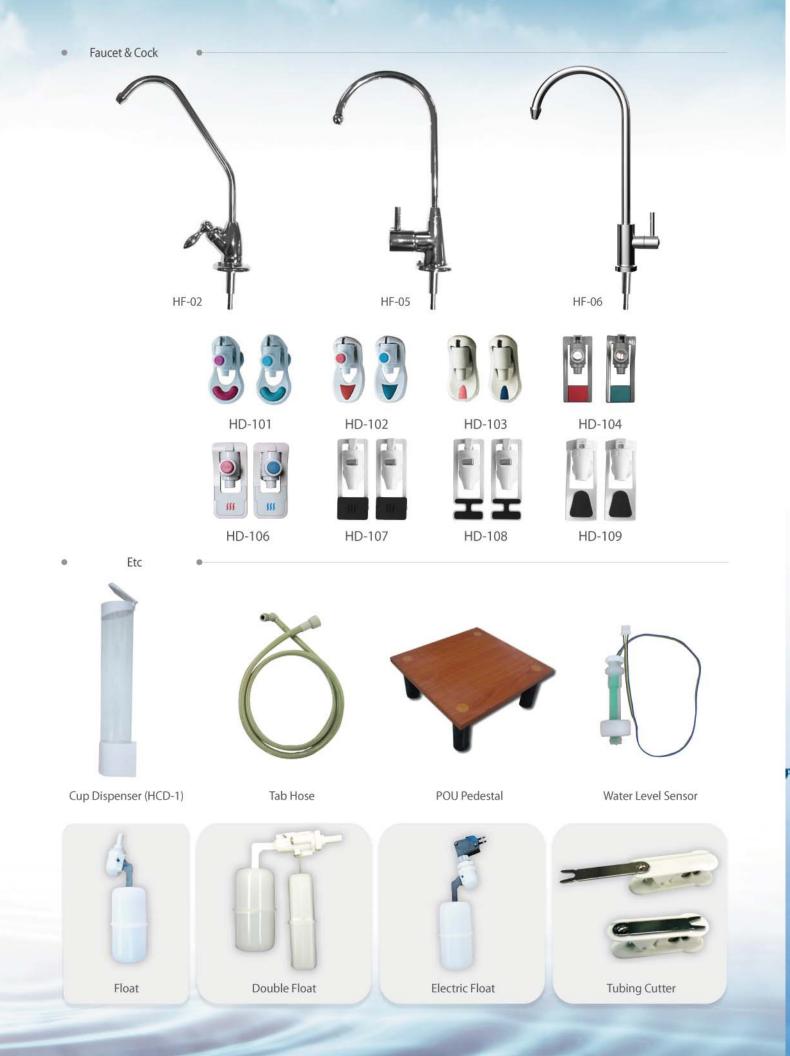
2 - Way Bulkhead



3 - Way Bulkhead







POU SILVER ION STERILIZATION



A Breakthrough in Point-of-Use Sanitization Using the latest advances in POU sanitization techniques, Hyundai Wacor Tec.Co.,Ltd.. is proud to announce SILVER IN-LINE SANITATION ('SiS').

Composed of a semiconductor that automatically sends a direct electric current at a regular rate, silver anions are generated. These anions are effective to destroy all bacteria, microbes, and viruses that exist in water.

POU Sterilization

Point of Use Water Cooler for

SILVER ION STERILIZER



<SIS STERILIZATION TEST>



Big Size Commercial Silver Ion Sanitization Unnecessary Chlorine Reduce carrying charge Sterilization & Antibacteria The chlorination causes concerns about the effects of chlorine such as smell and taste, and may also create cancerous(substances) such as trihalomethane through chemical reaction between organism and chlorine in water.

Sterilization

With Silver's natural antiseptic, bacteriostatic, and disinfectant power, delivery of silver ion by electrolysis



FLOW SWITCH



CONTROL BOX

- · Section : Specification
- · Input & Output voltage : Input(AC 100~200V, Output DC 24V)
- Main Body(Housing): STS 304(Electric eletro polished) * MC
- Component : Flow Cell Silver Plate(Silver 99.9%) : 1.5T * 4EA Titanium : 1.5T * 5EA
- Auto controller Electric control board (Control Electric Voltage/Current)
- Housing STS 4"* 3T
- Silver Ion Generation Type : Constant Voltage & Current Type
- In & Out size: 40A(Size Change and Manufacture by pipe size are available)
- · Silver Ion Density Generation Valve : 20 ppb



Our silver ion sanitization system by the release of silver colloid via electrolysis uses silver's sterilizing power with an eminent permanence and enhances effectiveness of antimicrobial activity against microbes of about 640 species across the globe. It also offers economical advantages with no need for maintenance expenses for at least 3 years.

WATER SOFTENER

Water Softener will benefit your family



DUPLEX HWF-2012 Inlet/Outlet pipe size: 1 inch Drain pipe size: 1/2 inch Dimension: Tank - 280*1560 Packing size: 460*460*890 Weight: 42kgs



HWF-2011 Inlet/Outlet pipe size : 1 inch male BSPT Drain pipe size : 3/4 inch Dimension : Tank - 280*1570 Packing size : 450*330*1630 Weight : 36kgs



WS-4000 W180xD200xH600 Capacity: 4~5 ion/cycle Temperature: Max 70°C Restoration cycle: 1month(Filter)



HWS-1017A / 1035A / 1044

FRP vessel size: 1017A / 1035A / 1044
 Resin volume: 12.5L / 25L / 32L
 Best service flow rate: 1.0 m²/h & 2.5 m²/h

Dimension: 334*570*660

334*570*1120 334*570*1350

376*610*1400

 Packing size: 376*610*750 376*610*1180

Characteristics

- Filter replacement achieves restoration
- Remove rust stain and soften water in one
- Beautiful design enhances bathroom environment
- Easy to install
- Outstanding restoration efficiency

Water Softener for Bathroom

Water filters for bathroom

Bathroom Accessories

Vita Shower Filter

Removal of the residual chlorine.

- 1. For Sensitive skin at Residual Chlorine.
- 2. Newborn infants and children who need to take a shower everyday. 3. For Coarse and Dry skin

Vita Shower Filter Service Life: 2 months





KDF Shower Filter

- 1. Effective removal of wide range of contaminants.
- 2. Cost effective.
- 3. Extend life and efficiency of carbon (GAC) filters.
- 4. Remains effective at higher water temperatures.



High - power & Vitaminized

KDF Shower Filter Service Life: 3~4 month

Vitamin Shower Power

Risingh Water pressure by the special perforated watering plate

The Vitamin Shower Power has a special perforated watering plate which sprays water softly like a mist for soft touch. and it makes effect of boosting water pressure and saving water.







Everyday Refreshing Enjoy improved health and comport Our technology makes your life better



Bidet 48 • 49

NON-ELECTRICAL BIDET

Bobslei



A Bathroom definitely shows the life culture on housing. In other words, it represents your sense and life style quietly. A beautiful bathroom with no envy of a best hotel. The dignity of life begins from a small difference. Please upgrade your health and bathroom with a HYUNDAI Wacortec Bidet created by hard-grained technology.



Newest Life Style For Bathroom Bidet!











AIR PURIFIER WITH OXYGEN GENERATOR

Clean and pleasant room air by supply high purity oxygen with excellence air purification!





EOS-OXYGEN GENERATOR

W530 x D360 x H670
Maximization of Inhale, Exhaust's Number for rise of "Purification Performance"
(Inhale through 5 sides, Exhaust through 3 sides)
Intelligent full-Automatic operation system
Applying space: 60 m"

Applying space: 60 m Oxygen purity: 90% ±3% Oxygen flow: 1±0.5L/min



New-concept oxygen therapy enjoying in your home.

Supply abundant clean oxygen, natural phytoncide, and negative-ion Clean air supplying system to increase oxygen density in your home





Air Purifier 54 • 55

For:

CERTIFICATES & REGISTRATION









Certificate of Watermark



Certificate of Watermark



Utility Model Application







Utility Model Patent





CE Certificate







CE Certificate









CE Certificate





Wearable design for easy to carry around, High efficiency filtering for fine dust

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