HYUNDAI
WACORTEC

Refined & Confident

Every Water has a Story!

HYUNDAI Wacortec's enduring efforts for clean water and
air begins making researches on small invisible differences.
With our continous efforts for better products,
HYUNDAI Wacortec will be dedicated to give you better, fresh life.

Adds Value to the Life!

RESEARCH & DEVELOPMENT

For Pure & Clean Water
Noble Well-Being Life
Innovative Design

The origin of life is from **water** and our life is sustained by this valuable Water. As briefed herein, water is a basis of our existence and daily life.

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COMPANY

Welcome to HYUNDAI Wacortec

All products and related products are designed and manufactured specifically by HYUNDAI WACOTEC.CO., LTD. in this catalogue showcase. Our company continues the healthy growth ever aiming for the best quality and prioritizing the trust with customers. Also we will keep exerting every effort to meet customers' needs by focusing on the technology development in order to cope with its industry innovation in advance. We ask your continuous attention and encouragement.

Our company policy is to research and develop our products continuously.
Some contents of this catalogue can be changed to improve the quality and design of products without notice.

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kotra Seal of Excellence
A Mark of Quality, High-Technology & Trustworthiness
Serial No. 2010-062-01

Refresh Your Life!

We promise we will try to do our best to meet our customer's requirements whatever it may be.

BUSINESS RECOGNITION

KOTRA Seal of Excellence Awarded Company

A Mark of Quality, High Technology and Trustworthiness

What is the KOTRA Seal of Excellence?

The KOTRA Seal of Excellence is given to a select group of Korean companies that meet the highest standards of business. KOTRA proudly recommends the awarded Korean companies and products to you on the basis of their professionalism.

Companies that have been awarded the KOTRA Seal of Excellence were subjected to rigorous evaluation process to receive the Seal. Whenever you see the KOTRA Seal of Excellence, you can be sure you are dealing with one of Korea's highly qualified companies.

Registered
ISO 9001:2000 / ISO 14001:2004

Certificate of ISO

ISO 14001:2001 (Environmental Management System)
ISO 9001:2008 (Quality Management System)

Innovation Business Association Recognized by Korea Goverment

Water Quality Association Member

CEO's Message

Dear fellow customers,

With priority to our clients' good health in our mind, we, HYUNDAI Wacortec. Co. Ltd as the world leader and specialist in Water Purifiers, Dispensers, Air Purifiers as well other well-being products have enjoyed a great reputation of the various selections, highest quality, and advanced technoloty as well our commitment since established.

Our superior products with wide selections exported to the world to build our network of excusive master dealers and to satisfy our customers with our swift service for their needs.

With the good design of our products and their durability at a reasonable price, We are dedicated to giving you a better life and benefits.

Our motto-Accuracy, Technical Innovation, Superiority in quality and Perfect Service-represents that we'll do our best to give pure, fresh, clean water and air and also to keep our customers healthy with our well-being products.

We appreciate your continuing support and interest and in return and in return we do our best for you.
Thank you.

Prisident & CEO Y. S. Shin

Refined & Confident

OVERVIEW

Water treatments

POU Water Cooler

NEW PRODUCT
7P

POSEIDON
8P

ROMEO series
9P

JULIET series
11P

HD-320 series
12P

Water Purifier

HW series
18P

HW series
18P

HW-NP Series
19P

HW-NP Series
19P

Undersink RO system
20P

Bottled Water Cooler

W2-300 series
24P

W2-300 series
24P

W2-310 series
24P

W2-310 series
24P

Industrial Water Purification system (RO system)

HINRO
26P

INRO
28P

HIRO
29P

HCRO
30P

HCRO
30P

Water Filter

Water Filter
36P

Water Filter
36P

Water Filter
36P

Water Filter
36P

Water Filter
36P

Components

Leak Detector
40P

Reducing and Check Valve
40P

Filter Housing
41P

RO Pump
41P

RO Component
42P

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POU Sterilization
47P

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48P

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49P

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54P

HDB-1500
54P

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54P

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56P

HDBM-100/200/300
56P

Air Purifier

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58P

HYAP-202
58P

HYAP-201
58P

HYAP-201
58P

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12P

W2-340 series
13P

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14P

W2-310 series
14P

W2-360 series
15P

W2-310MP series
16P

W2-300MP series
16P

HW-AP series
21P

H-100 Series
21P

H-200 Series
21P

HM9 series
21P

HMW-16
22P

HC-1000/1100
22P

Water Pitcher
22P

POP-MIRO
31P

DIRO
31P

SS Cooler
31P

EMRO 10R
32P

EMRO 20S
32P

Water Vending Machine
33P

Ultra Pure Water system
34P

KDF Shower Filter
36P

RO Filter
37P

Filter Cartridge
38P

Filter Cartridge
38P

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38P

5 Inch Filter
38P

RO Component
43P

RO Component
43P

RO Component
43P

Speed Fitting
44P

Speed Fitting
44P

Faucet
45P

Cock
45P

Water Softener

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51P

DUEPLEX
51P

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Pi Water Shower
52P

Silverex Shower
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SENSE BIDET
56P

Water Treatments

• POU Water Cooler

NEW PRODUCT
7P

POSEIDON
8 P

ROMEO series
9P

JULIET series
11P

HD-320 series
12P

W2-320 series
12P

W2-340 series
13P

W2-300 series
14P

W2-310 series
14P

W2-360 series
15P

W2-310MP series
16P

W2-300MP series
16P

DIRECT CONNECT WATER COOLER

RO WATER COOLER

Newest!

World Best
NEW SEASON

POU Point of Use Water Cooler

POSEIDON WATER PURIFICATION SERIES

Upgrade your Life!

Digital Water Purification system
Power saving

BEST

Product Description

The POSEIDON Hot and Cold "Digital" Water Purification System is designed for the high-volume "point – of – use" requirements of city, county, state and federal facilities along with business, commercial and industrial settings. The POSEIDON includes the Sediment Filter, Pre – Carbon Filter, Reverse Osmosis Membrane and the Post – Carbon Filter.

Filtration System

- SEDIMENT FILTER: 3 – 6 Months
- PRE – CARBON FILTER: 6 – 9 Months
- REVERSE OSMOSIS MEMBRANE: 18 Months
- POST – CARBON FILTER: 9 – 12 Months

Optional Filters

- U/V [ULTRA VIOLET] SYSTEM: 24 Months
- U/F [ULTRA FILTRATION] FILTER: 18 Months
- TCR [ODOR] FILTER: 6 – 9 Months

POSEIDON
W480 x D480 x H1430
45L(Reservoir)/Hot 10L/Cold 10L
Material of Body : ABS and EGI steel
Filtering system : Option
Purification Filters : N.S.F. Certified

World Best POSEIDON

POU Point of Use Water Cooler

Innovative Design in world wide

- ROMEO series

ROMEO I
W370 x D410 x H1300
20L(Reservoir)/5L(Cold)/4L(Hot)
Cold(4-7℃) , Hot(80-90℃)

ROMEO II
W370 x D410 x H1200
5L(Reservoir)/3L(Cold)/3L(Hot)
Cold(4-7℃) , Hot(80-90℃)

Filter system is customer's choice.

ROMEO III
W370 x D410 x H510
4L(Reservoir)/3L(Cold)/2L(Hot)
Cold(4-7℃) , Hot(80-90℃)

Product Description

Excellent purifying efficiency
It supply clean and pure water that pass qualified HYUNDAI Wacortec filteration system.

Convenience
There is assistance faucet(option) that can extract water contiguously and a lot of abstractions are convenient.

Harmonious Design
Graceful design and color harmony make harmonious indoor atmosphere.

Super Capacity
- ROMEO I : Reservoir-20L, Cold tank-5L, Hot tank-4L
- ROMEO II : Reservoir-5L, Cold tank-3L, Hot tank-3L
- ROMEO III : Reservoir-4L, Cold tank-3L, Hot tank-2L

Burn Prevention function
Safety device checks hot water extraction by wrong operating of child.

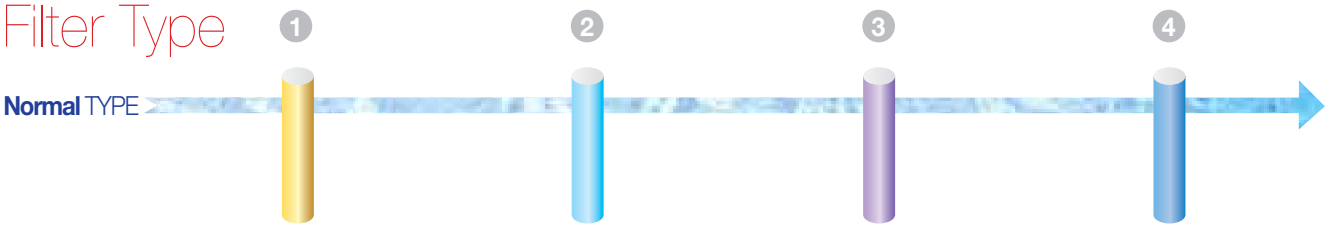
Best Product

Optional Filter system for POU Water Cooler

(OPTIONAL 4~5 STAGE)

Filter Type

Normal TYPE



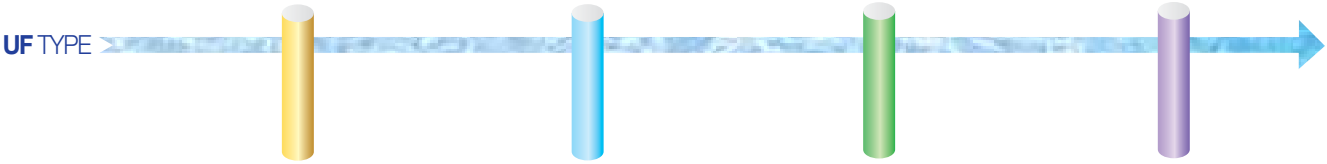
Sediment Filter
Removes small particles.
This stage removes dirt and other minute impurities, particles are that 15 times smaller than a grain of sand.
Using a 1 - 5 micron High quality sediment filter.

Pre-Carbon Filter
Removes chlorine and organic substances.
This stage removes chlorine, trihalomethane, and other organic substances.

Post-Carbon Filter
Enhances the fresh taste of the water.
This stage provides the natural taste of the water by removing dissolved gases and odors through a high quality granular activated bituminous filter.

TCR Filter
Removable for unpleasant odors Making water tasteful.

UF TYPE



Sediment Filter
Removes small particles.
This stage removes dirt and other minute impurities, particles are that 15 times smaller than a grain of sand.
Using a 1 - 5 micron High quality sediment filter.

Pre-Carbon Filter
Removes chlorine and organic substances.
This stage removes chlorine, trihalomethane, and other organic substances.

UF Filter
Refined 0.01 micron.
Removable for harmful chemicals, bacteria, virus, Etc.

Post-Carbon Filter
Enhances the fresh taste of the water.
This stage provides the natural taste of the water by removing dissolved gases and odors through
a high quality granular activated bituminous filter.

R.O TYPE

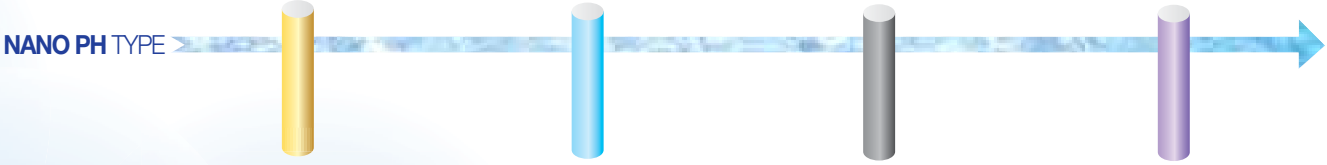
Sediment Filter
Removes small particles.
This stage removes dirt and other minute impurities, particles are that 15 times smaller than a grain of sand.
Using a 1 - 5 micron High quality sediment filter.

Pre-Carbon Filter
Removes chlorine and organic substances.
This stage removes chlorine, trihalomethane, and other organic substances.

R.O membrane Filter
Removes heavy metals and all types of carcinogenic substances.
This stage completely drains out contaminants by squeezing out chemicals and many other microscopic impurities.

Post-Carbon Filter
Enhances the fresh taste of the water.
This stage provides the natural taste of the water by removing dissolved gases and odors through a high quality granular activated bituminous filter.

NANO PH TYPE



Sediment Filter
Removes small particles.
This stage removes dirt and other minute impurities, particles are that 15 times smaller than a grain of sand.
Using a 1 - 5 micron High quality sediment filter.

Pre-Carbon Filter
Removes chlorine and organic substances.
This stage removes chlorine, trihalomethane, and other organic substances.

Nano PH Alkali Filter
Product Hydrogen(H) and reduction to rise up Hydrogen ion density improvement of erase function O3 to anti-oxidation by strengthening(-mV) with ORP-Oxidation Reduction Potential - Nano pH filter : pH 8.0 ~ 10 & ORP-100~-200mV.

Post-Carbon Filter
Enhances the fresh taste of the water.
This stage provides the natural taste of the water by removing dissolved gases and odors through a high quality granular activated bituminous filter.

POU Point of Use Water Cooler

JULIET series

innovative Design in World Wide

JULIET I
W370 x D410 x H1300
20L(Reservoir)/5L(Cold)/4L(Hot)

JULIET II
W370 x D410 x H1200
5L(Reservoir)/3L(Cold)/3L(Hot)

JULIET III
W370 x D410 x H510
4L(Reservoir)/3L(Cold)/2L(Hot)

Product Description

Excellent purifying efficiency
It supply clean and pure water that pass qualified HYUNDAI Wacortec filteration system.

Convenience
There is assistance faucet(option) that can extract water contiguously and a lot of abstractions are convenient.

Harmonious Design
Graceful design and color harmony make harmonious indoor atmosphere.

Super Capacity
- JULIET I : Reservoir-20L, Cold tank-5L, Hot tank-4L
- JULIET II : Reservoir-5L, Cold tank-3L, Hot tank-3L
- JULIET III : Reservoir-4L, Cold tank-3L, Hot tank-2L

Burn Prevention function
Safety device checks hot water extraction by wrong operating of child.

Electricity save function
Sensor that react brightness reduces electricity wastage.

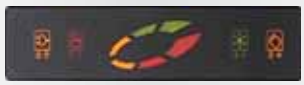
Filter exchange cycle indicating function

Auto freshing function[Option]

Showing water temperature

Digital · Analogue System Water Purifier

Digital type purifying water system equipped High Quality Interior Effect by the fore special Acrylic Design.
Analogue type purifying water system equipped high quality interior effect by the fore special Acrylic Design.



The best quality water is always supplied by Digital Display LED.

innovative DESIGN Water Purifier

It is more superior by the front peculiar acrylic panel, and the pattern of modernized design affects the high grade interior decoration.

HD-320 series Digital

HD-320
W330 x D350 x H1060
2L(Cold)/2L(Hot)
Material of Tank : Stainless steel
Material of Body : ABS and EGI steel
Temperature control : by 2 sensor(Bimetal)
Feature : Power Saving

HD-320W
W330 x D350 x H1060
2L(Cold)/2L(Hot)
Material of Tank : Stainless steel
Material of Body : ABS and EGI steel
Temperature control : by 2 sensor(Bimetal)
Feature : Power Saving

HD-320H
W330 x D350 x H520
2L(Cold)/2L(Hot)
Material of Tank : Stainless steel
Material of Body : ABS and EGI steel
Temperature control : by 2 sensor(Bimetal)
Feature : Power Saving

HD-320WH
W330 x D350 x H520
2L(Cold)/2L(Hot)
Material of Tank : Stainless steel
Material of Body : ABS and EGI steel
Temperature control : by 2 sensor(Bimetal)
Feature : Power Saving

W2-320 series Analogue

W2-320W
W330 x D350 x H1060
2L(Cold)/2L(Hot)
Material of Tank : Stainless steel
Temperature control : by 2 sensors(Bimetal)
Material of Body : ABS and EGI steel

W2-320
W330 x D350 x H1060
2L(Cold)/2L(Hot)
Material of Tank : Stainless steel
Temperature control : by 2 sensors(Bimetal)
Material of Body : ABS and EGI steel

W2-320WH
W330 x D350 x H520
2L(Cold)/2L(Hot)
Material of Tank : Stainless steel
Temperature control : by 2 sensors(Bimetal)
Material of Body : ABS and EGI steel

W2-320H
W330 x D350 x H520
2L(Cold)/2L(Hot)
Material of Tank : Stainless steel
Temperature control : by 2 sensors(Bimetal)
Material of Body : ABS and EGI steel

Upgrade Your Life
Water Purifier

W2-340 series

W2-340H
W340 x D420 x H520
2L(Reservoir)/2L(Cold)/2L(Hot)

Product Description

Excellent purifying efficiency
It supply clean and pure water that pass qualified HYUNDAI Wacortec filteration system.

Convenience
There is assistance faucet(option) that can extract water contiguously and a lot of abstractions are convenient.

Harmonious Design
Graceful design and color harmony make harmonious indoor atmosphere.

Super Capacity
- W2-340 : Reservoir-20L, Cold tank-4L, Hot tank-3L
- W2-340E : Reservoir-5L, Cold tank-3L, Hot tank-3L
- W2-340S : Reservoir-5L, Cold tank-3L, Hot tank-3L
- W2-340H : Reservoir-2L, Cold tank-2L, Hot tank-2L

Burn Prevention function
Safety device checks hot water extraction by wrong operating of child.

Electricity save function
Sensor that react brightness reduces electricity wastage
(exp) W2-360E

W2-340
W340 x D420 x H1240
20L(Reservoir)/4L(Cold)/3L(Hot)

W2-340E
W340 x D420 x H1240
5L(Reservoir)/3L(Cold)/3L(Hot)

W2-340S
W340 x D420 x H1160
5L(Reservoir)/3L(Cold)/3L(Hot)

W2-300 series

W2-300P
W300 x D310 x H970
2L(Reservoir)/2L(Cold)/2L(Hot)

Cooling System : by compressor(1/10HP)
Material of Tank : Stainless steel

Heatin System : Sheath heater
Material of Tank : Stainless steel
Temperature control : by 2 sensors(Bimetal)
Material of body : ABS and EGI steel

W2-300H
W320 x D320 x H540
2L(Reservoir)/2L(Cold)/1.5L(Hot)

Cooling System : by compressor(1/10HP)
Material of Tank : Stainless steel

Heatin System : Sheath heater
Material of Tank : Stainless steel
Temperature control : by 2 sensors(Bimetal)
Material of body : ABS and EGI steel

W2-310 series

Upgrade Your **Life**

W2-310H
W300 x D310 x H540
2L(Reservoir)/2L(Cold)/1.5L(Hot)

W2-310L
W310 x D310 x H1090
2L(Reservoir)/2L(Cold)/2L(Hot)

W2-310P
W310 x D310 x H970
2L(Reservoir)/2L(Cold)/2L(Hot)

W2-360 series

W2-360
W360 x D420 x H1240
20L(Reservoir)/4L(Cold)/3L(Hot)

W2-360E
W360 x D420 x H1240
5L(Reservoir)/3L(Cold)/3L(Hot)

W2-360H
W360 x D420 x H520
2L(Reservoir)/2L(Cold)/2L(Hot)

Counter Top

W2-1000
W340 x D300 x H500
10L(Reservoir)

Counter Top
Water Purifier

MP Mineral Pot **series**

Supply much better Quality of drinkable water by connecting Mineral Water Pot with W2-300MP, W2-310MP.

W2-310MP series

W2-310S MP
W310 x D310 x H550
2L(Reservoir)/2L(Cold)/2L(Hot)

W2-310P MP
W300 x D310 x H970
2L(Reservoir)/2L(Cold)/2L(Hot)

W2-310L MP
W300 x D310 x H1090
2L(Reservoir)/2L(Cold)/2L(Hot)

W2-300MP series

W2-300S MP
W310 x D310 x H550
2L(Reservoir)/2L(Cold)/2L(Hot)

W2-300 MP
W310 x D310 x H970
2L(Reservoir)/2L(Cold)/2L(Hot)

Water Treatments

• Water Purifier

HW series
18P

HW series
18P

HW-NP series
19P

Undersink RO system
20P

HW-AP series
21P

H-100 series
21P

H-200 series
21P

HM9 Series
21P

HMW-16
22P

Water Pitcher
22P

Water Pitcher
22P

Hottest ! Undersink RO system

HW UP series

* Special tempered glass is on front of all HW-UP series.

- **HW series**

HW-UP100(M)	: R.O Filtration system *(with Booster Pump)*	
HW-OP100(M)	: R.O Filtration system	Touch Screen Style
HW-UP200U	: UF Filtration system	
HW-UP200A	: Alkali Filtration system	
HW-UP200N	: Nano Filtration system	Touch Screen Style

On / Undersink Water Filter System

- **Tempered glass panel in front** : The front of the proudut is covered with tempered glass panel and disigned to cushion the impact more. As a result, the product prevents safety-accident.
- **Ease of use** : It is very convenient to install and use, so regardless of sex or age can use the product without any difficultles.
- **The high safety** : The filter system is produced by high technical skills of the Company "HYUNDAI WACORTEC.CO., LTD.". As a result, the product provides the best quality of water.
- **R/O membrane for the option** : R/O membrane is optioal and there are various types of R/O membranes (50, 75, 100, 150, 300 GPD), and consequently the product is made for better use. It can be chosen by one's taste and suitable for various places.

Optional Inside Filter System

RO / UF / Nano

HW-UP 300 : Tankless RO System

Tankless type by use of more powerful 300GPD RO membrane filter.
- Average Flow Rate(GPD) : 300GPD
- Improving the TDS(Total Dissolved Solids) rejection(Rejection Rate : 97%)
- Meets all different water quality needs.

HW-UP Series R.O Package System

HW-UP RO System + Storage Tank = 1 Packing Set

Optional Inside Filter System

HW-NP series

New Released Water Purifier

- **HW-NP series**
  - HU 4 Stage UF System
  - HN 4 Stage Nano System
  - HR 4 Stage RO System

On / Undersink Water Filter System

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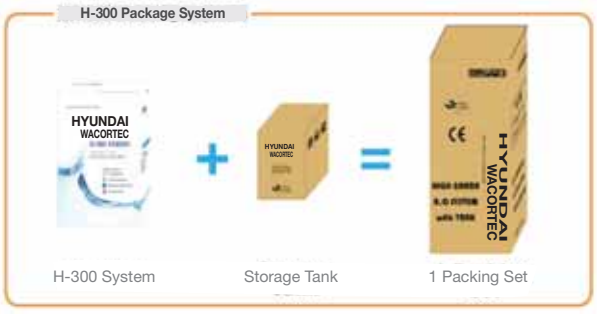
Optional Inside Filter System

RO / UF / Nano

HW-NP : Tankless RO System

Tankless type by use of more powerful 300GPD RO membrane filter.
- Average Flow Rate(GPD) : 300GPD
- Improving the TDS(Total Dissolved Solids) rejection(Rejection Rate : 97%)
- Meets all different water quality needs.



Undersink Purifier RO System 5~6 Stage

Reverse Osmosis System

Operational Parameters

Operating Temperatures
Maximum 113℉(45℃) Minimum 40℉(4.4℃)
Operating pressure
Maximum 100psi Minimum 30psi
pH Range
Maximum 10.0 Minimum 4.0

Specifications

Production
75GPD (at 77℉ Water Temp)

Filter system
PP10" - GAC - CTO - RO Membrane - TCR

HR-800
5 Stage RO System Filtration without pump

Operational Parameters

Operating Temperatures
Maximum 113℉(45℃) Minimum 40℉(4.4℃)
Operating pressure
Maximum 100psi Minimum 30psi
pH Range
Maximum 10.0 Minimum 4.0

Specifications

Production
50GPD / 75GPD (at 77℉ Water Temp)

Filter system
PP10" - GAC - CTO - RO Membrane - TCR

HR-800M
5 Stage RO System Filtration with pump

Operational Parameters

Operating Temperatures
Maximum 104℉(40℃) Minimum 40℉(4.4℃)
Operating pressure
Maximum 57psi Minimum 10psi
pH Range
Maximum 10.0 Minimum 4.0

Specifications

Production
760GPD
(at 77℉ Water Temp, 1.5kgf/㎠, Inlet 3ℓ/min.)

Filter system
PP10" - GAC - CTO - UF Membrane - TCR

HU-800
5 Stage UF System Filtration

Operational Parameters

Operating Temperatures
Maximum 100℉(38℃) Minimum 40℉(4.4℃)
Operating pressure
Maximum 100psi Minimum 15psi
pH Range
Maximum 10.0 Minimum 4.0

Specifications

Production
50GPD / 75GPD (at 77℉ Water Temp)

Filter system
PP10" - GAC - CTO - RO Membrane - TCR - UV Filter

HR-800UV
5 Stage RO System Filtration with UV & pump

Operational Parameters

Operating Temperatures
Maximum 113℉(45℃) Minimum 40℉(4.4℃)
Operating pressure
Maximum 100psi Minimum 30psi
pH Range
Maximum 10.0 Minimum 4.0

Specifications

Production
50GPD / 75GPD (at 77℉ Water Temp)

Filter system
PP10" - GAC - CTO - RO Membrane - TCR

HR-800M ST
5 Stage RO System Filtration without pump Stand Type

A good way and an ideal kit for sales person to show in front of customers the difference between tap water (or source water) and pure water.

Portable R.O KIT for Demonstration
L455 x 125W x 350H / 7kg

Optional

Total Dissolved Solid Tester (TDS Tester)
Electronic Color Tester

Filtration System

Stage 1 : Sediment Filter
Stage 2 : Pre-Carbon Filter
Stage 3 : RO Membrane Filter
Stage 4 : Post-Carbon Filter

Undersink Purifier System
Alkali Ionizer

High-End Water Purifier
Smart BuYs

* Special tempered glass is on front of all HW-UP series.

HW-AP500

- Automatically Control Soft Faucet Valve by added Touch Screen style.
- Using HYUNDAI wacortec's high technology, we have made a high quality water purifier that is very easy and convenient to control the soft faucet valve with the use of static electrical touch screen sensor.
- Modern & Simple Color added. Choose from any colour of your choice. It makes the atmosphere where the product is installed be graceful as the interior decoration products by being added simple and monochromatic front covers that luxurious pearl is treated.

Advantage of Alkali Water

- Anti-diabetes
- Anti-skin aging and Atopy
- Removal of constipation
- Removal of free radical
- Removal of Cholesterol
- Reduction of bad breath and tonsillitis
- Prevention of a skin disease

Touch screen Style of Auto soft Faucet Valve

Water Filter for On / Under

HU/HN series

HU : UF Filter System
HN : NANO PH Filter System
HA : Alkali Filter System
HY : Alkali + UF Filter System

H-100 Series
- HU 4 Stage UF System

H-200 Series
- HU 4 Stage UF System
- HN 4 Stage Nano System

HM9 series

HM9-4F
4 Stage

HM9-3F
3 Stage

*** HM9-4F** Sediment + Pre-Carbon + UF Filtration + Post Carbon Filter
*** HM9-4FR** Sediment + Pre-Carbon + R.O Membrane + Post Carbon Filter
*** HM9-3F** Sediment + Pre-Carbon + UF Filtration
*** HM9-3FR** Sediment + Pre Carbon + Post Carbon Filter

Pride of the Best
feel the Difference!

Quick Change Water System

- **Application** Dirt/Rust, Taste/Odor, Chroline, Virus, Bacteria, E-Coli
- *No tools, No Water Spillage*
- *Easy Filter Replacement*
- *Made from FDA CFR21 Compliant Material*

Household Water Purification System

Mineral Water system

Product Concept

- Our Mineral water system products high quality purified drinking water by removing bacterium, chlorine, bacillus, peculiar smell, etc with high-tech material acf as purgative medium.

5-stage Water Purification

- **Stage 1st** - Fruit nut shell activated carbon : Absorptive filteration / Deodorization
- **Stage 2nd** - Rice stone : Make soft water
- **Stage 3rd** - Rice stone : Make soft water
- **Stage 4th** - Coconut shell carbon : Intensive adsorptive filteration / Deodorization
- **Stage 5th** - Mineral ball : Make mineral water

Mineral Water System

- Top quality and performance / Sufficient water supply
- Minerals in water remaining / No electricity and no water waste

HMW-16
Tank Capacity : 16.5L
W310 x D310 x H540
Weight : 2.5kg
Filtration Capacity : Appox. 1.5-2L/hr

Balance Water

USE FOR
AT HOME / CHILDREN'S SCHOOL / BUSINESS TRIP / CAMPING / DRIVING / FISHING & CLIMBING / TRAVELLING / OFFICE / EXERCISE & HIKING

NANO pH FILTER
- Product Hydrogen(H) and reduction to rise up Hydrogen ion density improvement of erase function O3 to anti-oxidation by strengthening(-mV) with ORP-Oxidation Reduction Potential.
- Alkali Revivification water is dense organization to easily carry by mineral ion action and speed up metabolism to transpire body wastes.
  (General water 127Hz = Alkali Revivification waer 62Hz)
- Active oxygen is hinder activity with primary factor for aging & health by expended oxidative to destructive metabolism in deficiency electron.

HC-1000 series Filter
Portable Water Filtration system, instantly purifies water giving you clean, great tasting water wherever you are.
All you nees is a source of water and you will have an unlimited supply of great-tasting water.
Each unit filter up to 2,000 Liter of water costing less than 1, 1/2cent per Liter.

Remove of
- Unpleasant taste and odors, impurities, turbidity, rusts.
- Chlorine and toxic chemicals(HTMs)
- Harmful microscopic pathogens.
- Heavy metals.

HC-1000 / 1100

FILTER CARTRIDGE

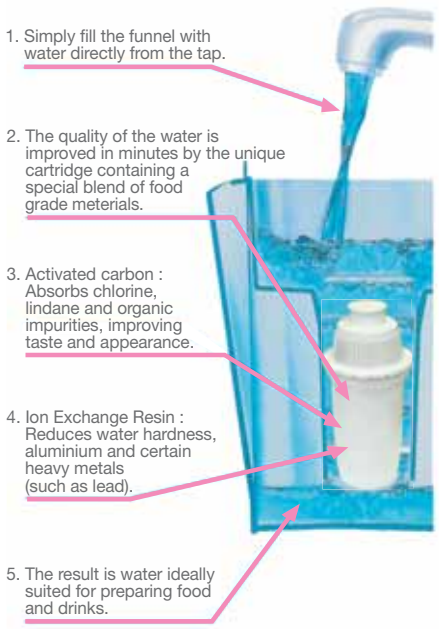
BIO FILTER
1 STEP : SEDIMENT FILTER (Made by Anti bacterial nonwoven- Low Material H7511, strong pre-treatment.)
2 STEP : CLEAN WATER BLOCK (Made by natural MINERAL & Active Carbon is High ION exchange function.)
3 STEP : 4 LEVEL PURE MINERAL & ACTIVE ENZYME
Remove Impurities, Heavy metal / ION Exchange function / property of matter change by π-RAY operation.

HC-1000
Bio Filter Cartridge
80*230mm
Capacity : 0.8 Liter

HC-1100
Nano pH Filter Cartridge
80*230mm
Capacity : 0.8 Liter

WACO Water Pitcher

How does the system work?



* Important : Please read and follow the enclosed instructionscarefully.

* Easy to check the filter life
* Easy to use the tap water
* Sufficient capacity : 2.5 L
* Unique Design

Indicator for the longevity of the filter

Reinforced the water purification ability by use of Activated carbon and Ion Exchange Resin

Why Use Water Purifier?

- Ideal for cold drinks
- Improves the taste of tea
- Scale free appliances
- Exceptional results from cooking
- Better flavour and aroma from coffee
- Crystal clear ice

HWP-105
Capacity : 2.5L
W275 x D90 x H287

Water Treatments

- Bottled Water Cooler

W2-300 series
24P

W2-300 series
24 P

W2-310 series
24P

POU Point of Use Bottled Water Cooler

Best Quality Water Cooler for Bottled Water

W2-300 series

W2-300S
W310 x D310 x H550
2L(Reservoir)/2L(Cold)/2L(Hot)

W2-300
W310 x D310 x H970
2L(Reservoir)/2L(Cold)/2L(Hot)

W2-310 series

W2-310S
W310 x D310 x H550
2L(Reservoir)/2L(Cold)/2L(Hot)

W2-310-1
W300 x D310 x H970
2L(Reservoir)/2L(Cold)/2L(Hot)

W2-310-2
W300 x D310 x H1090
2L(Reservoir)/2L(Cold)/2L(Hot)

Water Treatments

• Industrial Water Purification system (RO system)

HINRO
26P

INRO
28P

HIRO
29P

HCRO
30P

HCRO
30P

POP-MIRO
31P

DIRO
31P

SS Cooler
31P

EMRO-10R
32P

EMRO-20S
32P

Vending Machine
33P

Ultra Pure Water system
34P

Industrial USE RO System

RO
Industrial USE RO system

Features of HINRO

HINRO system is operated automatically by PLC control which is connected to Level switches of each filter tank and LPS & HPS. You can monitor the on-line Operation condition of the system the problematic situation of it by the below Graphic Board. Also Permeate water's condition is on-line monitored by TDS Meter.

- High Water Produce Rate(water flux) : It has high salt removal rate, is stable chemically in wide pH range, and is applied high function RO membrane that has wide operation control range of pressure and temperature.
- Considering to produce drinkable water, sterilizes completely by applying silver-ion sterilization before to move water to produced water storage tank.
- Designed to process all operations automatically by one operation through a purification process program. The program is Micro Process Computer type which is simple and accurate to compare with existing Relay operation type.
- Compact Design : The equipment is easy to move because it is installed to skid open type case which is installed auto-caster. And, the equipment can produce immediately if IN, OUTLET, and DRAIN are connected. Therefore, the equipment is easy to reinforce additional equipment by element change of raw water quality.
- Economical : Operating cost of the equipment is only Membrane, M/F, A/F, Salt, Resin, chemical change, and small electric cost.

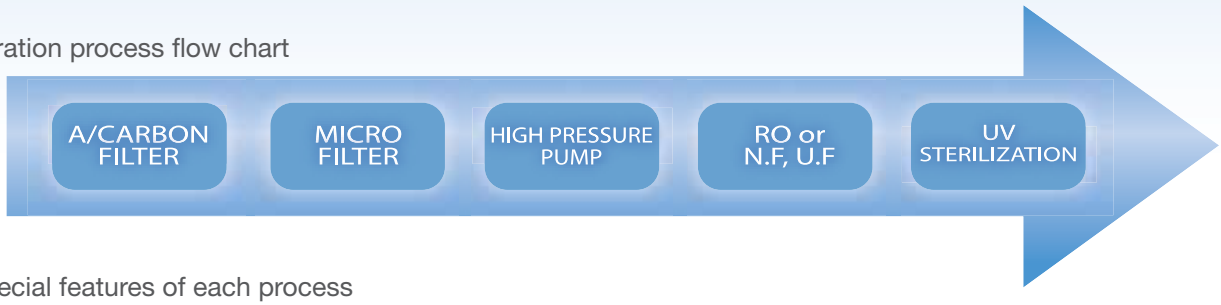
- Raw Water Pump
- Dual Media Filter Unit
- Micron Cartridge Filter
- High pressure Pump
- R.O. Modules

All civil works such as plant foundation of the equipment, mass concreting etc.

HINRO 50~200 ton(option)

Understanding Membrane Filtration Process

1. Filtration process flow chart



2. Special features of each process

PROCESS	FEATURES	NOTE
A/C FILTER	◆ Absorption impurities to minute pores of inside activated carbon. ◆ Physical and chemical absorption by Van der Wall's power. ◆ Absorption various types of organic compounds. ◆ Removal exist BOD, COD, nitrogen, heavy metal, and etc of first stage processed water.	
MICRO FILTER	◆ Removal various muddiness by 0.1μm ~ 20μm pore size. ◆ SS Fouling prevention part before membrane process.	
HIGH PRESSURE PUMP	◆ Offer electric power to penetrate membrane	
MEMBRANE (R/O, N/F, UF)	Ca^{2+} Mg^{2+} Na^{+} HCO_3^{-} Cl^{-} SO_4^{2-} SiO_2 → MEMBRANE FILTRATION → H^{+} OH^{-} Heavy metal, organism, bacteria, germ, virus, and etc. Processed water	Water quality is different by membrane type
Sterilization (UV/Electrolysis Sterilization)	Clean water process. Prevent secondary contamination and Sterilization.	

3. Select of Portable Water Filtration Type

1) Conclusion whether contained or not of harmful elements of water source quality (heavy metal, carcinogenic, and etc.)
2) Conclusion whether suitable or not of required producing water quality (Whether exist or not of mineral ion)
3) Conclusion whether exist or not of prior filtration process (Sand Filter, A/C Filter, and etc.)
4) Conclusion whether exist or not of after filtration process (UV sterilization, dosing sterilization, and etc.)
5) Capacity of producing water amount.

Filtration system that customers wanted is provided by conclusion with those conditions.
Therefore, this proposal applies most wide use and stable membrane filtration system.
And, it is selected to meet requirement of water source and producing water quality.
The system will be supplied with various selection depend on whether exist or not of prior filtration process and after sterilization process.
Next features of filtration system are applied proposal features of general filtration method.

Industrial USE RO System

HYUNDAI Wcortec Insustrial System is the choice worldwide for their proven reliability, design simplicity and responsive service support.

RO
Reverse Osmosis System

* **RO** removes up to 99.9% of the dissolved impurities in water without using regenerant chemicals.
* **RO** outperforms any filter on the market with respect to particle size rejected. The ability of rejecting dissolved substances depends on the hydrated size of the molecules or ions in the solution.
* **RO** rejects a certain percentage of the feedwater as concentrated waste, which typically varies from 15~40% of the water processed. The higher the mineral content of the feedwater, the more advantageous RO is.
* **The pump** requires a significant amount of power to provide the driving pressure for the system.

INRO 7~70 ton

INRO 20 ton

Features of INRO

- Low pressure, high Flux R/O Membrane.
- Economical Efficiency due to low operating pressure.
- Eficient auto flushing feature.
- Various use of product water.
- Easy to install and move.
- Compact size to minimize required space.
- **Basis : Temp 25degrees ℃, pH of 7, SDI of 5 or less, NTU under 1, and Tds under 200ppm**
  - Performance could be varied with condition of supply water.
  - Please inform HYUNDAI wacortec of supply water conditions.
  - Power requirements : 220V / 1 Phase.
  - System features subject to change without notice.

Commercial USE RO System

RO
Industrial USE RO system

Features of HIRO

HIRO system using Reverse Osmosis technology, is designed to supply clean and safe water to the whole house, & restaurant, hospital and etc. With elegant design and ease of installment.

- **Low pressure,high flow R/O membrane**
  : Reduced the pressure and noise from pump and remained the high Salt rejection rate.
- **Easy of operation**
  : One step operating & controlling system using simple & accurate PLC(Micro Process Computer).
- **Compact design(easy of installment & relocation)**
  : Well planned design by putting in the case of Box type & simple steps of Installation as connecting to Inlet, Outlet, and Drain line on the backside of system.
- **Economical efficience**
  : The cost is occurred just by minor power usage, water usage & replacement of filters membrane, micro filter & activated carbon filter.
- **Inflow control & produced water TDS indicator function**
  : By using flow meter, product water & drain water and you could check on the Display product water TDS.
- **Sterilizer**
  : SIS(Ag ion Sterilizer)prevents pollution of produced water through RO system.

All civil works such as plant foundation of the equipment, mass concreting etc.

HIRO 3~10 ton

Commercial USE RO System

RO
Commercial USE RO system

* Carbon Filter Flushing
* Bypass time setting(RO Membrane)

- Membrane Type : Polyamide Thin-film Composite
- Maximum Operating Temperature : 113˚F (45℃)
- Maximum Operating Pressure : 125psi (8.6bar)

* Permeation flow rate(GPD) of RO membrane depends on the quality of raw water.

HCRO-400/600

REVERSE OSMOSIS SYSTEM

- Commercial 6-Stage Stand type
- RO System 200 or 300GPD
- 11G Pressure water tank set
  (Pump option)
  (RO Membrane 200G/300G)

HCRO-300

School, School catering, Factory Restaurant,
Large scale of restaurant, Other-Church, Nursery home.

- Purifier for students at school & PUB restaurant.
- Various use with attached extensive hose.
- High speed cooling system.(1,000 cups per cooling)
- Display the water quality.
- Sterilize microorganism by U.V lamp.
- Direct chilling system by advanced technology.

POP-MIRO

DIRO

- Purifier for students at school & PUB restaurant.
- Various use with attached extensive hose.
- High speed cooling system.(3,000 cups per cooling)
- Display the water quality.
- Sterilize microorganism by U.V lamp.
- Direct cooling system by advanced technology.

STAINLESS STEEL WATER COOLER & PURIFIER

SS Water Cooler is used at public place like office, school, hospitals, hotels, exhibit halls, and other places. ***for Public Place***

HSC-SH
W300 x D300 x H500
Thermo electric cooling system : 120w
Circuit breaker / Two Cooling Fans
Two Water Outlets :
- Pressure bubbler - normal temp. water
- Pressureless faucet - Cool water

Filter system Optional Filter system

HSC-S
W370 x D270 x H1080
Thermo electric cooling system : 120w
Circuit breaker / Two Cooling Fans
Two Water Outlets :
- Pressure bubbler - normal temp. water
- Pressureless faucet - Cool water

Filter system Optional Filter system

- The body is made by stainless steel which make it looks luxurious and clean, also it is easy for cleaning.
- Optional filter system provides clean water.
- Thermoelectric cooling system produces cool water without using a compressor.
- The Circuit breaker is provided for electric safety.

HSC series

Emergency
Drink Water Supply System

Which can be operated without outside power supply.

Potable Water Purification System

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

This system have Reverse Osmosis filtration system are easy to maintain. Compact enough to be mounted onto a vehicle.
Parts and components that make up the system are made of stainless steel and are highly resistant to corrosion.
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.
  The Reverse Osmosis System can purify a maximum of 125 liter of polluted water per hour.
- Can be used as potable water in the boat.

EMRO-10R (River & Lake)
W440 x D730 x H370
125 liter per hour

Sea & River

- Reverse Osmosis System with a maximum capacity of 50L/h.
  The Reverse Osmosis System can purify a maximum of 50 liter of polluted water per hour.
- Can be used as potable water in the boat.

EMRO-20S (Sea & River)
W450 x D750 x H450
50Liter per hour

RO Water Vending Machine

RO Commercial USE RO system

School, School catering, Factory Restaurant,
Large scale of restaurant, Other-Church, Nursery home.

Water Vending Machine (Electronic)

*RO Water Vending Machine

- The system is operated automatically by PLC(Programmable Logic Controller) control
- Dual TDS meter,
  Available to indicate the TDS value of raw water and clean water by data link process
- Capping system,
  Available to do capping of the bottle upon the filtration of clean water

- Low pressure, high flow R/O membrane.
- Easy of operation.
- Compact design.(easy of installment & relocation)
- Economical efficency.
- Inflow control & produced bottle countering function.
- Sterilizer : U.V sterilizer prevents pollution of produced water through R/O system.
  ※ Cleaning inside of the bottle with O-ZONE.
- Bottle rotating device.

Water Vending Machine (Non Electronic)

Ultra Pure Water System

RO
Commercial USE RO system

New Products

- Chairs Covered : to 4
- Size : 420W x 350L x 970H
- Weight : 25Kg
- Purification Type : R/O 60GPD, 17L
- Sterilization Type : UV & Ozone Generation
- Supply : Air pressured
- Power Voltage : 230VAC, 50/60HZ
- Control Type : Automatic

HRZ-100

Water Treatments

• Water Filter

Water Filter
36P

Water Filter
36P

Water Filter
36P

Water Filter
36P

Water Filter
36P

KDF Shower Filter
36P

RO Filter
37P

Filter Cartridge
38P

Filter Cartridge
38P

DE-IONIZATION Filter
38P

5 Inch Filter
38P

UV Filter
38P

WATER FILTERS

Sediment Filter
Elimination of dirt, grit, sand, rust and other solid particles from the water. It also gives longer life to pre-cargon filter that absorvs chlorine, fluoride, undersirable taste and bad odor in water.

* Service Life : 3~6 month

Pre-Carbon Filter
Elimination of chlorine and dissolved Trihalomethane in water.

* Service Life : 6~9 month

Post-Carbon Filter
Elimination of undesirable taste, odor and colour in water.

* Service Life : 6~9 month

UF Filter
Ultra Filter membrand made with Polysulfone forming material and spun with highly integrated techniques. The UF filter has excellent water permeability and is chemical and heat resistance. The UF Filter removes all harmful micro-organisms and bacterial such as Giardia, Cryptosporidium, Ecoil, Protozoan Cysts etc and maintains useful minerals for good health.

* Service Life : 12~18 month

Sliver Carbon Filter
Activated Silver-carbon is antibacterial Activated Carbon which is split in drinkable activated carbon. Silver Ion(Ag+) has the strongest Antibacterial working in Metal Ions.

* Service Life : 1,500G

TCR Filter
By eliminating odors and compounds of taste and color, it provides clean safe water.

* Service Life : 9~12 month

Bio Ceramic Filter
As the main ingredients the shell, the zeolite with the structure of stone rare in the world having strong adsorption are mixed together technically and baked by fire to be formed solidly as a stone.
That is the permanent filter eliminating various germs and impurities with the spherical surface(holes) sized of 1/200 a hair.

Nano Silver Filter
Treated at high temperatures, Nano Silver completely blocks the in-flow of germs, heavy metal particles and radioactive materials.

* Service Life : 12~18 month

Alka Bio Filter
This Filter is designed for removal voc's chlorine, taste and odor. Manufactured entirely from FDA compliant materials, these cartridges are suitable for water purifier as well as many industrial, commercial and food service application.

* Service Life : 12~18 month

Nano pH Filter
Product Hydrogen(H) and reduction to rise up Hydrogen ion density improvement of erase function O_3 to anti-oxidation by strengthening(-mV) with ORP-Oxidation Reduction Potential.
• Nano-pH filter : pH 8.0 ~ 10 & ORP - 100 ~ -200mV

* Service Life : 3,600L

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.

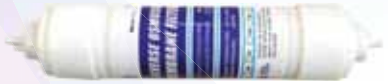
* Service Life : 8~12 month

R.O Reverse Osmosis Filters

R.O Membrane Filter

RO Membrane Filter eliminates all pollutants such as heavy metals, virus, bacteria and organic chemicals through stomata with the size of 0.0001μm, which is 1/1,000,000 of the thickness of human hair

* Service Life : 18~24 month



R.O Membrane 200 GPD / 300 GPD Filter

HYUNDAI Wacortec R.O Reverse Osmosis(R.O) 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.

* Service Life : 18~24 month

Advantage

1. The membrane element is supplied in dry condition to have more shelf life. (12 month)
2. The thin film of membrane sheet was made by DOW chemical US.
3. The life of elements is much stable and longer.
4. The membrane is manufactured by full automatic machine to keep quality assurance.

Product Specifications for R.O Membrane

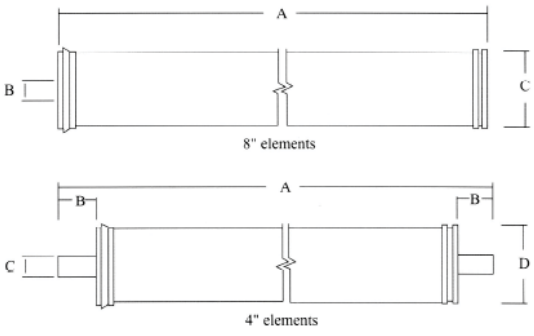
Model Name	Permeate Flow Rate (GPD)	Applied Pressure PSI (bar)	Stabilized Salt Rejection (%)	Minimum Salt Rejection (%)	Minimum Salt Rejection (%)
50 GPD	50	60 (4.1)	98	95	Dry type elements
75 GPD	75	60 (4.1)	98	95	Dry type elements
100 GPD	100	80 (5.5)	98	95	Dry type elements
150 GPD	150	80 (5.5)	98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

1. Permeate flow and salt rejection based on the following test conditions : 250ppm (NaCl) softened tap water, 77°F (25℃), 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.

Operating Limits

Membrane Type	Polyamide Thin-Film Composite
Maximum Operating Temperature	113°F (45℃)
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

4040 / 8040 Filter



Size of Elements	Singel Element Recovery %	Dimension(inch)			
		A	B	C	D
8″	15	40	1.125	7.9	-
4″	15	40	1.05	0.75	3.9

Product Specifications

1. Product flow rate and salt rejection are based upon testing conditions. For RO, 2000ppm NaCl; 225psi(1.6Mpa); 25℃; pH=8; 15% recovery.
2. Fluctuation is ±7%.
3. Elements can be supplied in fiber glass, or tape or net outwrap.

Operation Limits

Membrane Type ..... Polyamide Thin-Film Composite
Type Maximum Pressure 600psi (41bar)
Maximum Temperature ..... 45℃
Maximum Turbidity 1NTU
Free Chlorine Tolerance ..... < 0.1ppm
Continuous Operation pH Ranges. 2-11
Short-term Cleaning pH(30min) Ranges. 1-12
Maximum Feed Flow Rate
4″ ..... 14 GPM(3.2m3/h)
BW30-365 ..... 70GPM(16m3/h)
BW30-400 ..... 85GPM(19m3/h)
Maximum SDI.. 5

Filter Cartridge · UV Filter

Filter Cartridge

P.P Sediment (5㎛) Filter

- Polypropylene Replacement, Cartridge for removal of sand, silt, dirt and Rust particles.
- Size : 10" / 20"
- Service Life : 3 Month

String Wound (5㎛) Filter

- Polypropylene Replacement, Cartridge for removal of sand, silt, dirt and Rust particles.
- Size : 10"
- Service Life : 3 Month

Granular Activated Carbon Replacement Cartridge

- Removes Foul Odors, Taste of chlorine removing bad smell and filtering organic sediment in water.
- Size : 10"/20"
- Service Life : 6 Month

CTO Filter

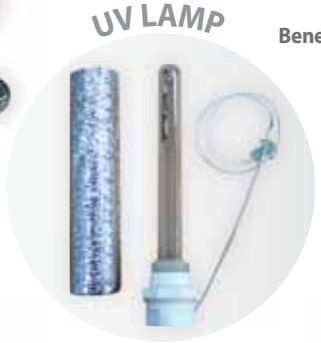
- Active Carbon Block : 10um Filtration, Chlorine reduction, Taste reduction completely removing bad smell in water.
- Size : 10" / 20"
- Service Life : 9 Month

DE-IONIZATION Filter

- DI filter treated dissolved mineral salts from water bylon-exchange resins and produces a high purity water without scale buildup.
  Produce 99.99% pure water. It will give you 0 ppm TDS.
- Size : 10" / 20"
- Service Life : 6 Month

UV Filter

Catch the Pure!



New Generation of Filter
Simple, Easy and Cost Saving

Features : Premium shape design
Premium shape design
1/4" Quick connect fittings
Pressure aging test on 100,000 times
No glue used in assembly
CE certified
Transformers :
6W 110/60,120/60, 220/50 230/50 250/50
4W 110/60,120/60, 220/50 230/50 250/50

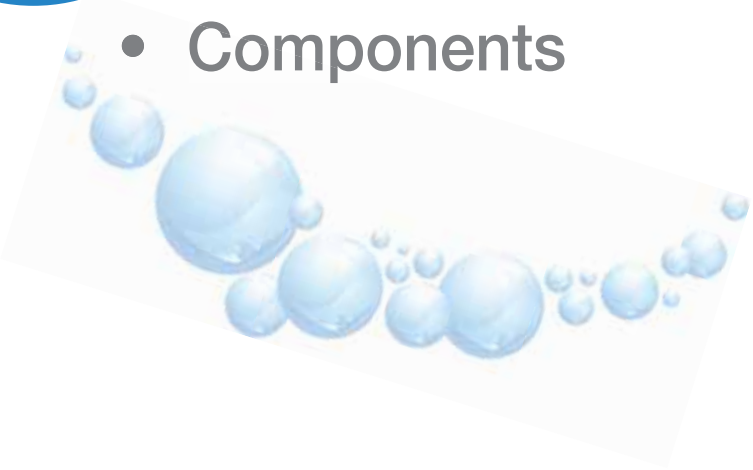
Benefits : Kill bacteria, E-coil
All Fitted for existing filters
Safe design over water pressure
Best in household purifier or home application
Assembled by Food grade material
Easy UV replacement lamp

5 Inch Filter

Dirt, Sand, Rust Removal & Other Solid Particles Reduction Filter Cartridge
This Filter is designed for reducting suspended materials suh as dirt and sand.
Manufactured entirely from FDA compliant materials, these cartridges are suitable for water purifier as well as many industrial, commercial and food service appliucations.

Water Purifier

• Components



Leak Detector
40P

Reducing & Check Valve
40P

Filter Housing
41P

RO Pump
41P

Pressure Water Tank
42P

RO Component
42P

Speed Fitting
44P

Faucet & Cock
45P

Components

Leak Detector

New Products

PATENT APPLICATION
No.
10-2010-0009764

Never!
Water Leak!

Non-Electrical

HW-PA 101

HW-PA 102

Feature

- 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 can be installed in every place due to no needed electricity.
- It is a semi permanent product and convenient to use that a compressed fiber is only needed to replace.

Reducing & Check Valve

Features/Benefits

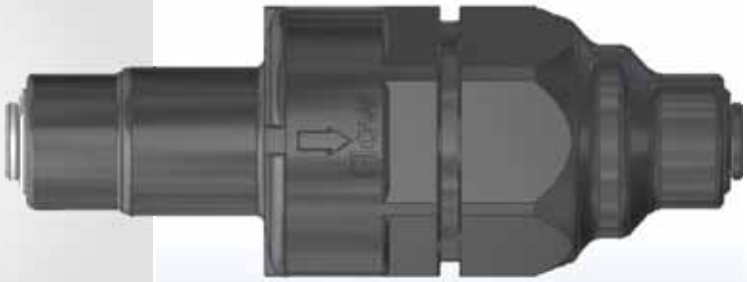
Pressure limiting valve reduces high pressure from water supply to a lower, more sensible pressure. Even if the supply wter pressure fluctuates, this pressure limiting valve ensures a constant flow of water at a functional pressure.

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), drink dispensers, ice makers, coffee machines and RO machines.

Specification

* Size : 1/4" Tube inlet / outlet
* Inlet pressure : 1000 kPa
* Outlet pressure : 350 kPa
* Flow rate :
  5L/min at 700kPa(100psi) Inlet pressure
* pressure ratio :
  10:1 [for every 10kPa (1.5psi) increase in inlet pressure above 1000kPa (150psi)]
* Working temperrature :
  Maximum: 60°C Minimum: 1°C
* Body made of POM (Acetal)
* Factory set at 350kPa



Filter Housing

Dimension
- In / out : 1/4", 1/2", 3/4"
- Max. Pressure : 150 PSI
- Max Temperature : 150 F
- Material : Styrene-Acrylonitrile(SAN), PP
- Color : Clear, White, Blue

Filter housing series are manufactured in the structure fast fightening and not quite requiring TEFLON processing, with speically designed connecting part which is the international patent. Also, using double safe rings, it shuts off the leak of the fluid perfectly, and you could use them clean always.

Our product able to with stand water-hammering symptom (weight:for the use of 930g/10") occurring inside the housing by strengthening body and cap parts in order to meet the demand of consumers.

R.O Pump

This pump is designed for resiential 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

Pressure Water Tank

Metal shell has greater pressure resistance than plastic
Stainless steel connection system provides safety drinking water
Lower molecular porosity of metal eliminates air pressure loss
Certified to ANSI / NSF 058

Stainless 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

Tubing

The HYUNDAI Wacortec PE Range of plastic tubing is designed in Liner Low Density Polyethylene for cold and intermittent hot water applications. Our tubing provides the benefits of a wide of temperature and pressure suitability, broad chemical compatibility and is made from non contaminating materials. Common applications are in water purification, water conditioners, ice makers and bidets. LLDPE is more robust than traditional low or medium density polyethylene and is recommended for use with cold and intermittent hot water. Our tubing is NSF International certified.

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℃ / 120psi@65℃		150psi@20℃ / 90psi@65℃	

Pressure Reducer

Common specifications

Items	Standard Specifications
Usage liquid	Purified water
Operating pressure (P1)	0.2 ~ 10kgf/㎠ [0.02~0.98Mpa]
Reducing pressure (P2)	3kgf/㎠±10%
Rated flow	7.0mℓ/min↑(P1:6.0kgf/㎠ P2: 3.0kgf/㎠ Setting)
Pressure resist (Water pressure)	19.5kgf/㎠ [1.95MPa]
Working Temperature	1~40℃
Valve construction	Diaphragm type
Installing position	Free

NIPPLE TYPE

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

FITTING TYPE

P1	P2(Reducing pressure	Bracket	Tube OD
0.2~10kgf/㎠	3kgf/㎠±10%	×	1/4″
0.2~10kgf/㎠	3kgf/㎠±10%	0	1/4″

Solenoid Valve

Common specifications

Items	Standard Specifications
Usage liquid	Purified water
Operating pressure	0.2 ~ 10kgf/㎠ [0.02~0.98Mpa]
Pressure resist (Water pressure)	19.5kgf/㎠ [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℃ Urethane Enamel Wire)
Ambient temperature	Less then 40℃
Valve construction	Pilot-type poppet
Temperature rise at coil	Less than Maximum 80deg when applied rated voltage

NIPPLE & FITTING TYPE

Operating pressure	Rated voltage	Bracket Hole	Inlet	outlet
0.2~10kgf/㎠	DC12V, DC24V	35.5~45.5mm	1/4″	1/4″
0.2~10kgf/㎠	AC220V 50/60Hz	35.5~45.5mm	1/4″	1/4″

FLOW RESTRICTOR

- Operation Pressure : 3kgf/㎠
- Max. Pressure : 15kgf/㎠
- 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/㎠

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

Ball Valve, NA - 02

- Brass body
- Chrome plated
- Polished finish.
- RO water filter ball valve/water filter parts /water purifier parts .

Auto Shut-off valve

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

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

HIGH Pressure & Low Pressure Switch

High 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.

If you are filling an open storage container you must also have a Float Vavle which will activate the pressure switch, cutting off the supply to the pump.

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.

This switch will prevent your booster pump running dry on loss of mains water pressure.

Drain Connector

Drain Connector

Drain saddles for reverse osmosis systems - connects reverse osmosis system drain tube to sinks drain pipe.

Includes two screws.

Clips & Wrench

Clips

RO clips are used to secure tube in the push connect fitting .

While not absolutely required they add additional leak security and work particularly well when the tube is bent at a angle coming out of the fitting.

Wrench

Made with strong plastic for easy filter housing removal or tightening.

Uesd for 10" and 20" slim filter housing.

TDS meter

- 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) (LR44 or equivalent)
- Dimensions: 15.5 x 3.1 x 2.3cm (6.1 x 1.25 x 1 inches)

Speed Fitting

I - Fitting

Part No.	Tube OD	Tube OD
HW-ST-300	1/4"Tube	1/4"Tube
HW-ST-301	5/16"Tube	5/16"Tube
HW-ST-302	3/8"Tube	3/8"Tube
HW-ST-303	1/2"Tube	1/2"Tube

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

T - Fitting

Part No.	Tube OD	Tube OD
HW-ST-400	1/4"Tube	1/4"Tube
HW-ST-401	5/16"Tube	5/16"Tube
HW-ST-402	3/8"Tube	3/8"Tube
HW-ST-403	1/2"Tube	1/2"Tube

Bulkhead

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

Fixed Elbow

Part No.	Tube OD	Thread NPTF
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

Stem Elbow

Part No.	Tube OD	Tube OD
HW-ST-500	1/4"Tube	1/4" stem
HW-ST-501	5/16"Tube	5/16" stem
HW-ST-502	3/8"Tube	3/8" stem
HW-ST-503	1/2"Tube	1/2" stem
HW-ST-504	1/4"Tube	5/16" stem
HW-ST-505	1/4"Tube	3/8" stem
HW-ST-506	5/16"Tube	1/2" stem

Reducing Elbow

Part No.	Tube OD	Tube OD
HW-ST-600	1/4"Tube	5/16"Tube
HW-ST-601	1/4"Tube	3/8"Tube
HW-ST-602	1/4"Tube	3/16"Tube

Reducing Straight

Part No.	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	1/4"Tube	3/8"Tube

Reducing Tee

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

Female Adaptor

Part No.	Tube OD	Thread BSP(P)
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)

Straight Adaptor

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

Y - Fitting

Part No.	Tube OD	Tube OD
HW-ST-1200	1/4"	1/4"

END Plug

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

Stop Valve

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

Fitting Spanner

Other Fittings & Accessories

Faucet & Cock

HF-01

HF-02

HF-03

HF-05

HD-101

HD-102

HD-103

HD-104

HHF-103

Etc

Cup Dispenser (HCD-1)

Tab Hose

POU Pedestal

Water Level Sensor

Float

Double Float

Electric Float

Tubing Cutter

Sterilization

- Sterilization

POU Sterilization
47P

SCIS
48P

IONNOX
49P

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 effective destroy all bacteria, microbes, and viruses that exist in water.

POU Sterilization

<SIS STERILIZATION TEST>

HYUNDAI SIS SYSTEM

SIS SILVER ION STERILIZER

The basic principal of the SIS POU Sanitization System
It's an electric apparatus to eliminate all kinds of bacterial, microbial colon, waterweeds melted and existing into water.
Control units that are composed of semiconductor automatically send a direct electric current at regular rate. Accordingly, an colloidal anions generate and these anions can make each bacterial incapacity by reacting on the surface of a cell of microbials.
* Power : DC24V
* Silver colloid generation by Negative from Silver Electrode and Positive from Titanium.
* Patent No. : 20-05-30577

Silver Sanitization(antibiotics) Mechanism
Silver ion is no toxicity and tasteless, useful for both in-outside the body.
For the bacterium infection, it's much effective in terms of period,symptoms improvement, relieve of a disease as a sterilizer, antimicrobial in a broad sense.
An anions process of vulcanizing the cell wall by reacting with a amino group which is one of components of the cell wall.
According to this, organism can't absorb nutritious and water and get to die by preventing the metabolism.
Electric load of an anion keeps the generative function of organism and when exposed to silver it can be extinct 100%. This phenomenon is called Origdynamic Action.
On silver, the use of this is permitted with the pharmaceutical affairs law and for water sterilization, JAPAN rules to be under 50 ppb of it and WHO rules is under 100ppb our rules to be under 10ppb for our develpments. Also Our products are designed to keep this level according to the law of strength of silver.

The paradigm of the silver
Use it as a sterilizer by putting into a plate
Use it as a treatment for a burning
Use it as a silver solvent(at present, a natural antibiotics with an approval of FDA that is suppied in a health food shop of USA with Melatonin DHEA)
Use it as a water purifier in a space of NASA.
Accession from the government of Switzerland as a silver water purifier.
Use it as a silver oxidation filter for the elimination of smoke.
Use it as a metal plate to joint a born
Use it for an extermination all kinda bacterials(650 of species) without a side effect within 6 minitues
Use it for silver soap, silver cosmetic, silver clothing, silver tile etc

Silver Ion Sanitization for Swimming Pool

99.9%
PURE SILVER

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.

Swimming Pool 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.

IonNox - Industrial Sterilization Washer

Sterilization electrolyzed water generating machine

IonNox
W127 x D157 x H200

Chemical Reaction of Electrolysis	Anode(+) 2Cl- → Cl2 + 2e Cathode(-) 2Na+ + 2H2O → 2NaOH + H2 Liquid Cl2 + 2NaOH → NaClO + NaCl + H2O ∴ NaCl + H2O → NaClO + H2

< Electrolyzed sterilization water(salmonellosis) >

<1000 times diluted sample for 10minutes>

Electrolyte water of sterilization?
The saline solution is inflowed into the electrolytic cell, and the DV voltage is given to positive electrode and negative electrode. As a result, Cl2 is generated at the positive electrode, and NaOH and H2 is generated at the negative electrode. H2 changes to a gas, and Cl2 and NaOH react in the water and become NaOCl, which has the strong sterilizing power.

Properties of sterilization electro-analyzed of water

1. Sterilization effect
It has the great sterilization effect for source germ of the food poisoning, and it can be applied to pasteurize the germ on the floor and clean it as well as sterilize the food.
(It has effect on especially legionella germ, staphylococcus aureus, colon bacillus, salmonella and o-157 germ)

2. Low density
The sterilizing power is great even in the lower density (70~80ppm), and the smell is less because the chlorine density is low. Therefore, it helps to improve the work environment.

3. Running water usage
The work efficiency is improving because it can be used as running water like tap water (spray).

4. Unnecessariness of dilution
Since the dilution is unnecessary unlike chemical sterilization, the work can be reduced and it is convenient to use it.

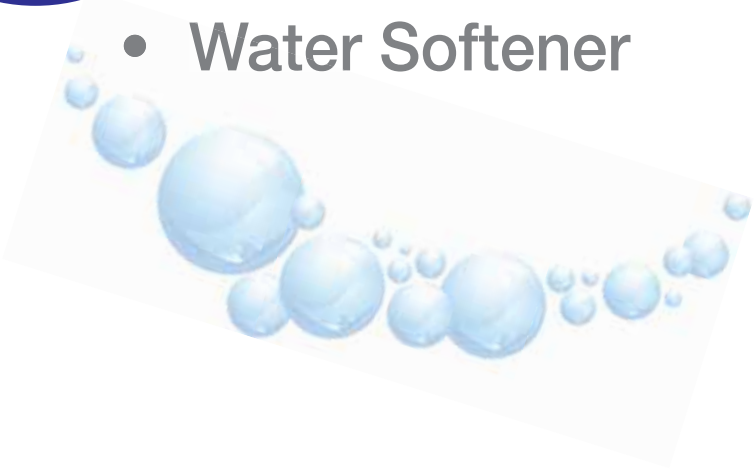
5. Environment- friendly
It is the sterilized water with less persistence and no need process for waster water treatment.

System Specifications

Rated Voltage		220V / 60Hz
Rated Power		60W
Production Capacity	Standard Specification	0 ~ 12ℓ/min
	Other Specification	Seperate made-to-order
Standard Water for USE		Tap water or underground water (But, require prior processing according to water quality.)
Electrolyte	Kinds	NaCl (refined salt)
	Density	10%
	Consumption	13.5ℓ/min (2.7g/min)
Water Supply Pressure		0~5.0kgf/㎠

Water Softener

- Water Softener



HWS-1017/1035/1044
51P

DUEPLEX
51P

WS-4000
52P

Pi Water Shower
52P

Silverex Shower
52P

WATER SOFTENER

Water Softener will benefit your family
in the kitchen & the bathroom & Plumbling and Appliances

HWS-1017 / 1035 / 1044

- **FRP vessel size** : 1017 / 1035 / 1044
- **Resin volume** : 12.5L / 25L / 32L
- **Best service flow rate** : 1.0㎥/h & 2.5㎥/h
- **Demension** : 334*570*660
  334*570*1120
  334*570*1350
- **Packing size** : 376*610*750
  376*610*1180
  376*610*1400

Water Softener

DUEPLEX HWF-2012
Inlet/Outlet pipe size : 1 inch
Drain pipe size : 1/2 inch
Dimension : Tank - 280*1560
+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

Water Softener for Bathroom & Undersink

Characteristics

- Outstanding sterilization using Silver Nano
- Filter replacement achieves restoration
- Remove rust stain and soften water in one
- Beautiful design enhances bathroom environment
- Esay to install
- Outstanding restoration efficiency

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

Bathroom Accessories

New Products

Pi Water Shower

Characteristics

Purified water by this shower filter

- Residual chlorine and harmful substances are removed
- Becomes soft water and weak alkaline water
- Provides antioxidant water by reducing power
- Raises our skin's immunity and it stimulates hair root & sweat glands activity so that helps our skin healthy and refresh

Silverex Shower Head Water Softener

GET A BEAUTIFUL AND HEALTHY SKIN WITH THE SILVEREX SHOWER HEAD!

Silverex Shower Head Water Softener

It is also able to kill almost every existing harmful germ by maximizing the area treated by the covering silver surface.
The purity of 99.99% silver foam inserted inside the shower head disperses silver particles at an approximate rate of 3-20ppb.The COLLOID SILVER WATER enters the skin pores and removes germs where they begin.

※ Water pressure : 0.1MPa - 22.5ppb
Water pressure : 0.2MPa - 21.5ppb
Water pressure : 0.3MPa - 19.8ppb

Bidet

- Electrical Bidet

As long as there is a
HYUNDAI Wacortec BIDET in a bathroom.
We feel no envy of a Hotel.

HDB-1500R
54P

HDB-1500
54P

HDB-1300
54P

HDB-300 series
54P

ELECTRICAL BIDET

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.

Refine & Confident

HDB-1500R
- W406 x L528 x H145
- Remote Control
- Continuous Warm Water

HDB-1500
- W470 x L528 x H145
- Continuous Warm Water

HDB-1300
- W470 x L528 x H145
- Continuous Warm Water

HDB-310 / HDB-330
- W525 x L470 x H145
- Instant heating system

Emotional Design!
Future Design!
Human Design!

Bidet

- Non-Electrical Bidet

Economic & Safe!

HDBM-100/200/300
56P

SENSE BIDET
56P

NON-ELECTRICAL BIDET

*As long as there is a **HYUNDAI** Wacortec BIDET in a bathroom.*
We feel no envy of a Hotel.

Refine & Confident

HDBM-1300
- W480 x L540 x H160
- Wash/Bidet
- Hot & Cold water
- Warm Seat

HDBM-1200
- Wash/Bidet
- Hot & Cold water

HDBM-1100
- Wash/Bidet
- Cold water

HDBM-300
- Hot&Cold Water
- Water Temp. Control
- Nozzle Cleaning

HDBM-200
- Hot&Cold Water
- Water Temp. Control

HDBM-100
- Cold Water
- Water Temp. Control
- Nozzle Cleaning

Nursing - Use Sprayer
Which has spouts at the top.

Internal - Use Sprayer
It head have spouts both around it and at the top as well as slot.

External - Use Sprayer
The spouts of the external head are round the side and the spraying strength is adjustable.

Portable Multifunctional Cleaner

Sense Bidet
- Nursing Sprayer
- Internal Sprayer
- External Sprayer

Air Purifier

- Air Purifier

HYAP-202
61P

HYAP-201
61P

AIR PURIFIER

World Best Seller!

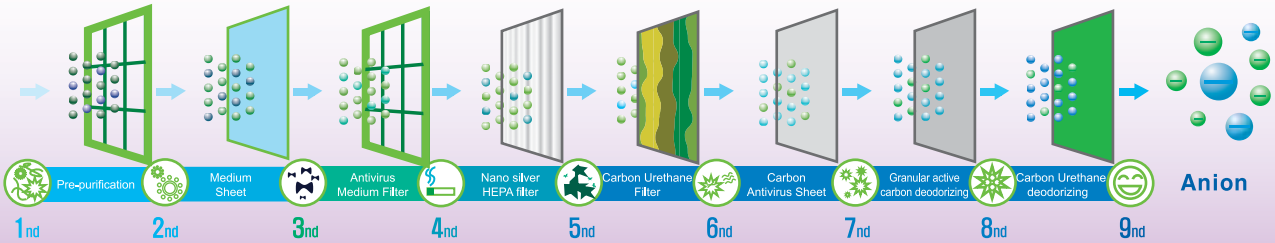
Excellent Air Cleaning capabilities through 9 steps filtering.
More enhanced deodorization function.
Excellent Antibiotic Performance.
High Wind Power & Low noise SIROCOPAN.
Automatic operation by Sensing a pollution level.
The customer-oriented safety Design.

HYAP-202
W440 x D250 x H780
High-performance & High-efficiency Nano silver HEPA Filter
9 Step Air clean system
Intelligent full-Automatic operation system
Applying space : 70sq

HYAP-201
W440 x D250 x H780
High-performance & High-efficiency Nano silver HEPA Filter
9 Step Air clean system
Intelligent full-Automatic operation system
Applying space : 70sq

New Color

9 STEP Smart Air Ozone Sterilizing Deodorizing Purifier New Technology for men



CERTIFICATES & REGISTRATION

Certificate of Watermark

Certificate of Watermark

Certificate of Watermark

Certificate of Watermark

Utility Model Patent

Utility Model Application

Utility Model Application

Utility Model Application

CB Certificate

CB Certificate

CE Certificate

CE Certificate

CE Certificate

CE Certificate

CE Certificate

PSE Certificate

Membership of SBA

Certificate of R&D

Certificate of Quality SBA

ROHS DOC

INTERNATIONAL FAMILY

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CORREOS 221 46220 PICASSENT(VALENCIA)

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