

Undersink Water Filter System

HW-NP series



HW-NP series

- HW-NP100(M) 4 STAGE RO System with Booster Pump
- HW-NP200U 4 Stage UF System
- HW-NP200N 4 Stage Nano System

Optional Filter System

The internal structure



On / Undersink Water Filter System(optional)

- **Ease to use** : Convenient to install and use.
- **The qualified filter system** : The filters are produced by HYUNDAI Wacortec's technology.
- **Filter system is optional**(RO filters 50, 75, 100, 150, 300GPD)

Optional Inside Filter System

RO / UF / Nano

HW-NP : Tankless RO System

Tankless RO system by using high capacity 300GPD RO membrane filter.
- Average Flow Rate(GPD) : 300GPD



Undersink Purifier RO System 5~8 Stages

Reverse Osmosis System



HR-800
5 Stage RO Filtration System without pump

Operational Parameters

Operating Temperatures
Maximum 113°F(45°C) Minimum 40°F(4.4°C)
Operating pressure
Maximum 100psi Minimum 30psi
pH Range
Maximum 10.0 Minimum 4.0

Specifications

Production
75GPD (at 77°F Water Temp)
Filter system
Micro - GAC - CTO - RO Membrane - TCR



HR-800M
5 Stage RO Filtration System with pump

Operational Parameters

Operating Temperatures
Maximum 113°F(45°C) Minimum 40°F(4.4°C)
Operating pressure
Maximum 100psi Minimum 30psi
pH Range
Maximum 10.0 Minimum 4.0

Specifications

Production
50GPD / 75GPD (at 77°F Water Temp)
Filter system
Micro - GAC - CTO - RO Membrane - TCR



HU-800
5 Stage UF Filtration System

Operational Parameters

Operating Temperatures
Maximum 104°F(40°C) Minimum 40°F(4.4°C)
Operating pressure
Maximum 57psi Minimum 10psi
pH Range
Maximum 10.0 Minimum 4.0

Specifications

Production
760GPD
(at 77°F Water Temp, 1.5kgf/cm², Inlet 3/min.)
Filter system
Micro - GAC - CTO - UF Membrane - TCR



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

Operational Parameters

Operating Temperatures
Maximum 100°F(38°C) Minimum 40°F(4.4°C)
Operating pressure
Maximum 100psi Minimum 30psi
pH Range
Maximum 10.0 Minimum 4.0

Specifications

Production
50GPD / 75GPD (at 77°F Water Temp)
Filter system
Micro - GAC - CTO - RO Membrane - TCR - UV Filter



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

Operational Parameters

Operating Temperatures
Maximum 113°F(45°C) Minimum 40°F(4.4°C)
Operating pressure
Maximum 100psi Minimum 30psi
pH Range
Maximum 10.0 Minimum 4.0

Specifications

Production
50GPD / 75GPD (at 77°F Water Temp)
Filter system
Micro - GAC - CTO - RO Membrane - TCR



An ideal kit for sales person for demonstration to customers about the difference between tap water (or source water) and pure water.

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



Filtration System

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

Water Treatments

Industrial & Commercial Water Purification system (RO system)



Industrial USE RO System

RO
Industrial USE RO system

Features of HINRO

HINRO system is operated automatically by PLC control. You can monitor the on-line Operation condition of the system and the problematic situation of it by the below Graphic Board. Also Permeate water's condition is on-line monitored by TDS Meter.



- High Water Production Rate(water flux) : It has high salt removal rate, stable chemically in wide pH range, and high flux Ro membrane is applied.
- 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 by skid open type case. And, the equipment can treated water produce immediately when IN, OUTLET, and DRAIN are connected.



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



HINRO 50~200 ton(option)

Industrial USE RO System

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



INRO 7~70 ton



INRO 20 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.

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.



Sea Water Reverse Osmosis desalination

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 the home.

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.

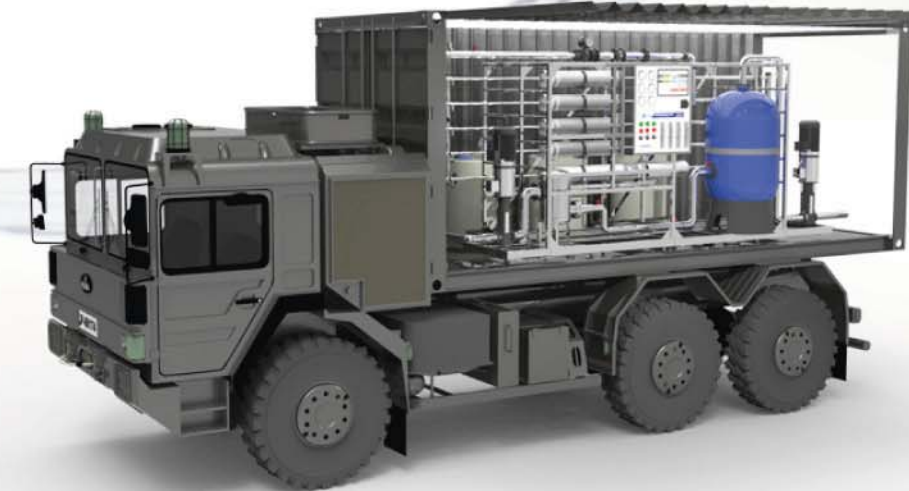


Usage of the Mobile water treatment system :

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



Optional Filter System!



Mobile water treatment system

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.

- **Low pressure, high flow R/O membrane**
: 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 Display.
- **UV Sterilizer**
: UV Filter system prevents 2nd pollution of produced water through RO system.



HIRO 3~10 ton



HCRO-600/900

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



HCRO-300



- HIGH capacity Commercial UF System
- UF Membrane * 3



HCUF System

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

Filter Housing



Hyundai Wacortec water filter housings are manufactured of a durable polypropylene or clear Styrene-Acrylonitrile (SAN).

Filter housings are available in both 10" and 20" lengths and will accommodate various water filter cartridges.

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

Tubing

Size Available

PART No.	OD	ID	COIL LENGTH
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 / 120psi@65°C		150psi@20°C / 90psi@65°C	



Pressure Reducer

Common specifications

Items	Standard Specifications
Usage liquid	Purified water
Operating pressure (P1)	0.2 ~ 10kgf/cm ² [0.02~0.98Mpa]
Reducing pressure (P2)	3kgf/cm ² ± 10%
Rated flow	7.0m ³ /min ↑ (P1: 6.0kgf/cm ² P2: 3.0kgf/cm ² Setting)
Pressure resist (Water pressure)	19.5kgf/cm ² [1.95MPa]
Working Temperature	1~40°C
Valve construction	Diaphragm type
Installing position	Free



NIPPLE TYPE

P1	P2(Reducing pressure)	Bracket	Stem OD
0.2~10kgf/cm ²	3kgf/cm ² ± 10%	×	1/4"
0.2~10kgf/cm ²	3kgf/cm ² ± 10%	0	1/4"

FITTING TYPE

P1	P2(Reducing pressure)	Bracket	Tube OD
0.2~10kgf/cm ²	3kgf/cm ² ± 10%	×	1/4"
0.2~10kgf/cm ²	3kgf/cm ² ± 10%	0	1/4"

Solenoid Valve

Common specifications

Items	Standard Specifications
Usage liquid	Purified water
Operating pressure	0.2 ~ 10kgf/cm ² [0.02~0.98Mpa]
Pressure resist (Water pressure)	19.5kgf/cm ² [1.95MPa]
Rated voltage	DC12V, DC24V, AC110 50/60Hz, ac220v 50/60Hz
Rated voltage range	~15% ~ ±10%
Duty time	Continuous
Working Temperature	1~40°C
Wire Insulation type	E 2UEW(120°C Urethane Enamel Wire)
Ambient temperature	Less than 40°C
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/cm ²	DC12V, DC24V	35.5~45.5mm	1/4"	1/4"
0.2~10kgf/cm ²	AC220V 50/60Hz	35.5~45.5mm	1/4"	1/4"





Water Softener



HWS-1017A/1035A/1044
53P



HWS-0717/1017B/1035B
53P



DUPLEX
53P



WS-4000
53P



KDF Water Shower
54P



VITA Water Shower
54P



Vitamin Shower Power
54P

WATER SOFTENER

Water Softener will benefit your family



HWS-1017A / 1035A / 1044

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

HWS-0717 / 1017B / 1035B

- FRP vessel size : 0717 / 1017B / 1035B
- Resin volume : 7L / 12.5L / 25L
- Best service flow rate : 1.0m³/h & 2.0m³/h
- Dimension : 218*471*610
290*430*630
290*430*1120
- Packing size : 250*530*700
330*490*710
330*490*1170



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)

- 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