

MMP-7070 WATER IONIZER (7 PLATES)

Model Name	MMP-7070
Purifying Mode	TM Filtration Mode
Rated Voltage	100-240V a.c 50/60 Hz
Power Consumption	Adjustable from 85 to 180 watts (55 adjustable levels)
Extraction Construction	Flexible pipe
Display Unit Configuration	3-Phase Alkaline Water Water Purification 2-Phase Acidic Water Under Cleaning Voice Filter replacement display pH Concentration Level Display
Addition Function	Electronic Extraction Construction
Operating Pressure range	0.1 ~ 0.5MPa
Filter Material	Filter Configuration : Primary - ACF Activated Carbon Fiber Secondary - ACF Activated Carbon, Ceramic Replacement Type : Revolving Cartridge Type Filter Life Display : LCD Filter Replacement Display and Voice
Electrolyte Cell	Platinum and Titanium
Product Size	400mm(W) × 116mm(D) × 416mm (H)
Product Weight	5.6kg

PRODUCT FEATURES:

Taeyoung E&T's water ionizer is a product registered as 'a medicinal substance-producing equipment' on the Korea Food and Drug Administration (KFDA) due to its strict quality control and system, and can easily generate abundant alkali water and acid water



The whole automatic control system with built-in CPU chips

All actions of the reduction water appliance are all automatically controlled by the semiconductor CPU chips which automatically seek and control the best operating conditions in consideration of current quantity and water quality.



Touch-type automatic water supply structure and seven-color back lights

One touch of a button enables to start and stop water supply without any other operations, and divides and displays alkaline and acid waters by seven colors



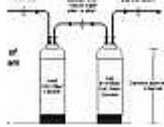
Voice guide service

Warning voices enable to more safely and conveniently use the product for the explanation and safety of various functions.



Display and guide of filter change cycle

Filter change cycles are designed to be displayed by voice guides and LCD icons to be easily known.



Phi water type purifying filters

The filters consisting of the 1st high efficient filters and the 2nd functional filters realize the best clean water status fitted to serviced water.



Automatic examination safety function

Safety examinations are conducted according to the setup conditions after the installation of the product, and voice guides are done in case of impropriety



Function of adjusting source water quantity

The valve adjusting source water quantity was used to prevent the worsening of the product function in case that source water quantity flows in too much



Anti-virus system of the electrolytic tank

The energy generated in supplying necessary water basically controls the propagation of microorganisms and keep the optimal status through its automatic cleaning function.



Adoption of seven electrodes made of dream material, platinum and holed titanium

The use of new materials of platinum and titanium for the electrodes of the electrolytic tank, the core part of the reduction water appliance, extends its life span and heightens the ratio of generating hydrogen.



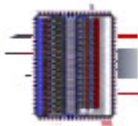
Use of the best diaphragm

The use of the best diaphragm enables to generate the exact pH density at each level.



RTR (Real Time Refresh) type automatic washing

This always keeps the electrolytic tank clean and thus enables a safe electrolytic capacity.



The first automatically controllable SMS method power supplier in the industry

The power provided to each part is monitored at the CPU chip and is safely supplied to maintain the safe use of the function of the product.



Function of automatically stopping water supply

Water supply is stopped to prevent water overflow 5 minutes after the selection of a function.



Adoption of digital type custom LCD

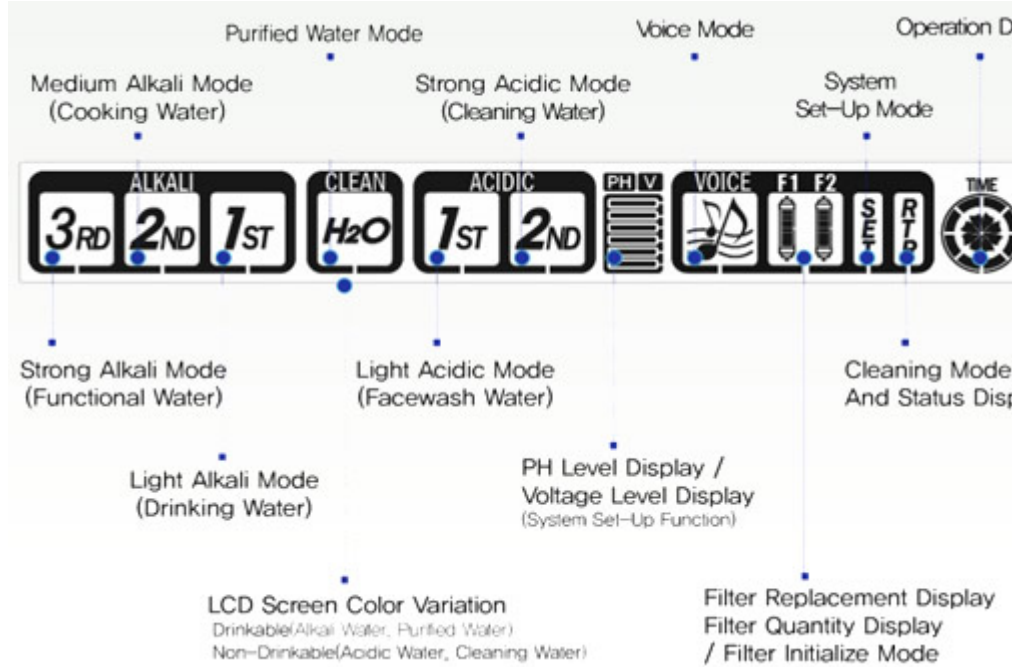
Users can more easily use the product since it is coated by touch panels and its functional selection is displayed by icons.



4 channel automatic interface mode

A high difficulty level control system was incorporated to supply various powers by making power levels as four channel system

LCD Control Panel Designation by Product Feature



Akaline Water(1ST,2ND,3RD),Purified Water(H2O) and Acidic Water(1ST,2ND) Icons are Selected, back-light is turned on the same to standard

Drinkable
(purified water, H2O : Green Back-Light)



Drinkable
(Alkaline water, 1ST : Bluish Green Back-Light)



Drinkable
(Alkaline water, 2ND : Blue Back-Light)



Drinkable
(Alkaline water, 3RD : Violet Back-Light)



Non-Drinkable
(Acidic water, 1ST : Light Yellow Back-Light)



Non-Drinkable
(Acidic water, 2ND : Red Back-Light)



Non-Drinkable
(Cleaning water : Red / Violet Back-Light)



Application for the patent of the medicinal substance-producing equipment

The Korean name of the invention: The ion water purifier using SMPS and its control method

High frequency DC (tens ~ hundreds KHz) is used for it after it is converted from AC line frequency (50~60 Hz) by applying the Switching Mode Power Supply mode. It also maximizes the power usage rate by the pulse width modulation transforming frequency, and thus has not only high competitiveness with its high efficiency and economy but also the technological composition to highly improve the stable power compared to the existing transformer modulation. It can be used as multi formation by setting up system modulation.

- 4 channel automatic interface digital mode
- Maximizing power use by optimizing power supply
- Built-in circuits preventing overflow of electricity
- Touch mode and under-sink mode conversion system

Electrolytic reduction water quick in penetration

Since the cluster (the number of water molecule/about 15~16 molecules for general water) size of the alkaline electrolytic reduction water is small, it is quickly absorbed into a body and e...
The water whose cluster is one-third of the size of general water, and permeates deep into our body, this is the alkaline electrolytic reduction water.

NMR Analysis of the medicinal substance-producing equipment

Kind	Alkaline water	Serviced water	Long life village water	Mineral water	Milk	Distilled water	Counter-osmotic water	Acid wa
Size(Hz)	57(Hz)	120(Hz)	70~80(Hz)	94(Hz)	210(Hz)	118(Hz)	150(Hz)	280(Hz)

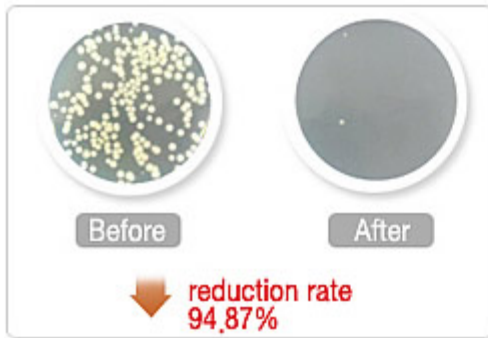
ORP Analysis of the medicinal substance-producing equipment

Division	Serviced water	Medicinal substance-producing equipment	
		Alkaline reduction water	Acid wa
pH	About 7.2s	8 - 10	6 - 3
ORP(mV)	500 - 700	-50 - -350	600 - 8
Ion elements compared to service water		Positive ion increase Negative ion decrease	Positive ion Negative ion
Existing oxygen quantity (ppm)	10		8 - 9

Tested anti-virus effect

The results of the anti-virus test on colon bacillus and yellow grape-shape micrococcus are as follows:

1 Anti-virus test on colon bacillus for strong acid water



1 Anti-virus test on yellow grape-shape micrococcus for strong acid water



The solution capacity of the medicinal substance-producing equipment

The solution capacities of the alkaline reduction water were tested for coffee, green tea bag and powder. We get to know that it permeates and solves them much more quickly than gener



Alkaline water Drink water



Alkaline water Drink water

Coffee solution experiment
after 3 minutes



Alkaline water Drink water



Alkaline water Drink water

The experiment of getting loose green
tea bags after 3 minutes



Alkaline water Drink water



Alkaline water Drink water

The experiment of getting loose powder
after 3 minutes

Please use it for suitable purposes

Alkaline reduction water

3RD

Functional water

Strong alkaline water (pH 9.5 ~11)

- In preparing cooking
- In cooking
- In making cold tea



2ND

Cooking water

Medium alkaline water (pH 8.5 ~9.5)

- In boiling rice
- In cultivating flowers
- In preventing the brown changes of fruits



1ST

Drinking water

Weak alkaline water (pH 7.7 ~8.3)

- Everyday drinking water
- In boiling rice



Clean water

H₂O

Clean water

Clean water (pH 7.0)

- Everyday drinking water
- medicines
- In mixing baby milks



1ST

Washing water

Weak acid water (pH 7.0 ~ 6.0)

- Washing face, bathing
- Anti-virus function after shave



2ND

Cleaning water

Strong acid water (pH 4.0 ~ 3.0)

- In cleaning toilets
- In cleaning bathrooms
- In cleaning dish cloths



Acid water