

Alkaline Water Ionizer

Complete alkaline water ionizers built around the JIN INTER electrolysis unit, available as OEM / ODM products with your brand.

JIN INTER has core experience in electrolysis units for alkaline water. In Korea an ionizer is a household medical device, and the conditions for a manufacturing license are far stricter than for a water purifier. We work with a licensed ionizer manufacturer in Korea, which builds complete ionizers around the JIN INTER electrolysis unit and holds the medical device licenses and certifications.

Two models



G-FX

Adds hydrogen water to the alkaline ionizer. Alongside alkaline and acidic water, it can deliver hydrogen water, so it can also be taken with medicine. FND display.

Hydrogen, alkaline, acidic. Alkaline pH 8.5 - 11.0, acidic pH 6.5 - 3.5.



SINBIROM

The same electrolysis and 420 W power platform with a blue LCD display and touch buttons for purified, alkaline and acidic water.

Purified, alkaline, acidic. Alkaline pH 8.5 - 10.5, acidic pH 6.5 - 5.0.

Key technologies

Powerful 420 W power. SMPS power supply replaces the classic transformer (about 100 W). PCB handles 200 - 420 W / 24 - 35 V / 10 - 20 A.

Overheating eliminated. A very large heat sink keeps the PCB cool with high-hardness water and extends the service life.

Real-time water check. Water pressure, flow rate and current are monitored; real pH and ORP are displayed.

Protected PCB. Protection caps against water, foreign objects and small insects.

No more small water flow. 2.0 - 4.0 L/min with accurate pH, high negative ORP and hydrogen ppb.

Optimal ionized water, 39 steps. Electrode current divided into 39 fine steps; optimal ionized water at any water quantity and hardness.

Self-diagnosis sensor system. The cause of an error is shown on the display for easy diagnosis.

Touch operation. Touch screen with a flexible outlet hose.

Specifications

Item	G-FX	SINBIROM
Water supply type	Direct supply type	
Size (H x W x D)	370 x 295 x 150 mm	
Weight	5 kg	
Rated power	AC 220 V / 60 Hz	
Power supply	420 W, SMPS type PCB	
Electrolysis current	DC 0 - 30 V / 420 W, maintained up to 15 A	
Water pressure / temperature	3.0 - 3.5 kgf/cm ² , 4 - 30 °C	
Display	FND display	LCD display
Buttons	Touch type	
Step 1 water	Hydrogen water	Purified water
Alkaline water	4 steps (pH 10.5, 9.5, 9.0, 8.5), range pH 8.5 - 11.0	4 steps (pH 10.5, 9.5, 9.0, 8.5), range pH 8.5 - 10.5
Acidic water	3 steps (pH 6.5, 5.0, 3.5), range pH 6.5 - 3.5	3 steps (pH 6.5, 5.0, 3.5), range pH 6.5 - 5.0
Hydrogen (PPB)	1,200 - 1,600	
Capacity	3.5 L/min (alkaline + acidic water)	
Water supply control	Automatic solenoid type	
Flow detection	Flow meter pulse signal (more than 16 pulses)	
Protection	Prevents PCB errors caused by overcurrent	
Electrolysis method	Continuous electrolysis	
Electrode plates	7, 9 or 11 plates (alkaline + acidic + purified); 7+2 or 9+2 plates (alkaline + acidic + hydrogen)	
Septum (membrane)	SUMITOMO	
Electrode cleaning	Automatic washing after water outgoing (about 10 seconds)	
Water outlet	Dedicated outlets	
Filters	1st: sediment + pre-carbon + post-carbon. 2nd: calcium sulfite, or tourmaline + biostone (choose one)	
Filter life	Cartridge type, built-in. 6 months (3,600 L) and 12 months (7,200 L)	
Filter exchange	Icon lights up when the filter must be exchanged. Reset by holding the filter button for 5 seconds. Usage is accumulated by the flow sensor and shown on the display.	

Alkaline, acidic and hydrogen water

At the cathode, alkaline water (pH 7.5 - 10) rich in hydrogen and minerals (Ca, K, Mg, Na) is produced, with -250 to -300 mV ORP. At the anode, acidic water is produced for cleaning and care.

Alkaline water

Cooking, soaking rice before boiling: pH 9.0
Making tea and coffee: pH 9.5
Washing vegetables and fruit: pH 10.0
Powdered milk for babies, washing pets: pH 8.5

Acidic water

Washing the face and after shampoo: pH 5.5
Gargling after brushing teeth: pH 5.5
Cleansing tableware: pH 3.5
Cleaning the house and bathroom: pH 3.5
Flower arrangement, cut stems: pH 3.5

Electrode plates and filters

- 5, 7, 9 or 11 plates (2 for hydrogen).
- Platinum coating of 0.2 micron (usual 0.1 - 0.15 micron).
- Mesh type plates: about 15% more contact area.
- 3 cleaning methods swapping anode and cathode: pre, post and pre + post cleaning.
- Coconut-shell activated carbon (about 1,100 m²/g). Filter combinations: sediment + carbon + calcium sulfite, or sediment + carbon + tourmaline + biostone.



Mesh plate, SMPS PCB, outlet hose, calcium sulfite, tourmaline and biostone.

Certified, licensed manufacturing

In Korea an alkaline water ionizer is a household medical device. Our manufacturing partner holds:

Medical device manufacturing license

Licensed to manufacture medical devices in South Korea.

GMP conformity

Certificate of conformity to medical device manufacturing and quality control.

ISO 13485:2016

Quality management system for medical devices, for regulatory purposes.

FCC

United States standard for electromagnetic interference.

CE

Conformity with health, safety and environmental protection standards.

IEC

International program for exchange and acceptance of product safety test results.

OEM / ODM manufacturing

OEM: complete ionizers with your own brand logo on the front panel. ODM: customized functions, PCB, display and appearance developed with you on the JIN INTER electrolysis platform. Produced by a licensed medical device manufacturer in Korea, using the JIN INTER electrolysis unit.

JIN INTER

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