



Global No.1 Hydrogen Water Specialist

DAGAGA Co., Ltd.



COMPANY PROFILE

Beginning with the development and manufacture of hydrogen electrolyzer and water purifier from 2013, we've successfully developed and patent registered a unique technology for hydrogen-water generator through R&D.

Our hydrogen-water generator is very popular among overseas buyers because it combines superior performance and merchantability compared to that of our competitors including those ones in Japan and currently we are actively engaged in export negotiation with buyers worldwide including USA, Japan, and Europe etc.

With the expansion of technology and marketing investment, we will leap to become a Global No. 1 Hydrogen-Water Specialist.

COMPANY HISTORY

2017

- Incorporated Dagaga Co., Ltd.

2016

- Exported Model 'HYD-2100A' and 'HYD-50A' to Spain and Malaysia respectively.

2013

- Started R&D for hydrogen-water generator and water purifier



ORGANIZATION

Representative
Director (CEO)

Executive
Director

Auditor

Board of Directors

Management
Support Div.

Management
Team

Accounting Team

Overseas
Business Div.

Overseas Business
Team

Foreign Trade
Team

R & D and
Technology Center

Research &
Management Team

Technical Team

Q.C Div.

Material Receipt

Shipment

Production
Management Div.

Production Team

Material Team

R&D

● Patents

Patent Application and Number	Date of Application	Date of Registration	Title of Invention
Patent No. 10-1683109	2016.05.16	2016.11.30	Hydrogen-containing water manufacturing devices
Patent No. 10-1748788	2015.03.18	2017.06.13	Hydrogen-containing water manufacturing devices
Patent No. 10-1748789	2016.09.09	2017.06.13	Hydrogen-containing water manufacturing devices
Patent No. 10-1748791	2016.11.23	2017.06.13	A portable tumbler equipped with hydrogen-containing water manufacturing function
PCT / KR2016 / 001907	2016.02.26		Hydrogen-containing water manufacturing devices
PCT / KR2017 / 005051	2017.05.01		Hydrogen-containing water manufacturing devices
10-2017-0066186	2017.05.29	2017.08.18	Portable tumbler equipped with hydrogen-containing water manufacturing function
Patent No. 10-1771166	2017.04.13		Hydrogen-containing water mfg devices (Spa, Tumbler)
10-2017-0163431	2017.11.30		Hydrogen-containing water mfg devices (Tumbler, Port)
Patent No. 10-1823824	2017.05.17	2018.01.24	Comprehensive processor
Patent No. 10-1823825	2017.05.24	2018.01.24	Fan with air cleaning function
Patent No. 10-1856627	2017.11.30	2018.05.03	Hydrogen-containing water manufacturing devices
Patent No. 10-1909665	2018.03.23	2018.10.12	Hydrogen-containing water manufacturing devices
Patent No. 10-1950368	2018.05.16	2019.02.14	Hydrogen-containing water manufacturing devices

● Performance of Technology Development

Title of Technology (Development)	Key Technology	Period of Development	Cost of Development
Hydrogen-containing water electrolytic bath device	A source technology extracting only 100% pure hydrogen-water through the electrolysis of water after processing titanium and plating platinum and then letting it be contained in water.	2013. 01 ~ 2014. 12	About 150 million Won
Electrolyzer electronic control unit	Development of electronic control device and algorithm that maximize efficiency and safety of hydrogen electrolyzer module.	2014. 11 ~ 2015. 06	About 100 million Won
Hazardous gas removing structure	Study on structure mechanism related to blocking and elimination of harmful gas emission and development of filter raw material.	2014. 10 ~ 2015. 04	About 60 million Won
Hydrogen-containing water mfg device	Manufactured product with hydrogen-containing water electrolytic bath.	2015. 02 ~ 2016.12	About 500 million Won
Portable hydrogen electrolyzer unit	A source technology, that is, realizing optimized structure of a small electrolyzer module and extracting 100% pure hydrogen-water and letting it be contained in water.	2016. 08 ~ 2016. 12	About 100 million Won
Hydrogen collecting device	Technology for collecting hydrogen generated in hydrogen electrolyzer and supplying gasified hydrogen through an induction tube.	2016. 07 ~ 2016. 10	About 40 million Won

DAGAGA HYDROGEN WATER TUMBLER MINI

DHW-9100A



■ Specification

Category	Standard	비고
Working Voltage(V)	DC 3.7V/1A	ADC Adaptor
Power Consumption(W)	13.5W	
Tumbler_Size(H x Ø)	233 x 70	
Wireless Charger_Size(H x Ø)	17x89	
USB Cable(L)	1M	B TYPE
Weight(g)	400	
Dissolved Hydrogen(ppb)	Over 1,000	
ORP(mV)	Over -200mV	
Maximum Capacity(ml)	350ml	
Working Temp.(°C)	3~40°C	
Manufacturing Country and Manufacturer	Republic Korea / Dagaga Co., Ltd.	

■ Hydrogen Quality

- Unlike previous products, our product will only produce pure hydrogen and dissolve them in water. It also removes harmful gas through a separate filter structure to make it harmless for the human body.
- The 9100A product can produce pure hydrogen through ion exchange and it dissolves hydrogen in a drinking water contained in a cup by 1000ppb and maintain the dissolved hydrogen for 8 hours or more.
- In addition, it is designed to keep the internal pressure caused by hydrogen generation to be kept at a certain level.

■ Function and Performance

- The 9100A has a water capacity of 350ml.
- The 9100A provides enough hydrogen to the body with the amount of dissolved hydrogen in the water being more than 1,000ppb
- The functions are
 - Power on/off, (The power will automatically turn off after a certain time when it is on)
 - The operating time is 3minutes.
 - Hydrogen generation and cleaning Function can be selected.
(It can be easily noticed with the color of the lamp changing to blue or red.)
 - The built-in gas removal filter stops the harmful gas from generating outside the product.
 - It can be used more than 10 times with 1 charge.
- Various safety features are applied for safe usage.
- The U.S. FDA, RoHS, and MSPs requirements are met as the materials used are harmless to the human body.
- The product includes sterilized water function.
- The product has both domestic and foreign patents

DAGAGA HYDROGEN WATER POT

DHW-8100A



■ Specification

Category	Standard	Remark
Working Voltage(V)	DC 3.7V/1A	ADC Adaptor
Power Consumption(W)	13.5W	
Pot_Size(L x H x W)	188x271x141	
Controller_SizeL x H x W)	210x22x150	
Weight(kg)	1.7	
Dissolved Hydrogen(ppb)	Over 1,000	
ORP(mV)	Over -200mV	
Maximum Capacity(L)	1.5	
Working Temp.(°C)	3~40°C	
Manufacturing Country and Manufacturer	Republic Korea / Dagaga Co., Ltd.	

■ Hydrogen Quality

- Unlike previous products, our product will only produce pure hydrogen and dissolve them in water. It also removes harmful gas through a separate filter structure to make it harmless for the human body.
- The 8100A product can produce pure hydrogen through ion exchange and it dissolves hydrogen in a drinking water contained in a cup by 1000ppb and maintain the dissolved hydrogen for 8 hours or more.
- In addition, it is designed to keep the internal pressure caused by hydrogen generation to be kept at a certain level.

■ Function and Performance

- The 8100A has a water capacity of 1,500ml.
- The 8100A provides enough hydrogen to the body with the amount of dissolved hydrogen in the water being more than 1,000ppb
- The functions are
 - Power on/off
 - The operating time is 5, 10, 20, 30minutes.
 - Hydrogen generation and cleaning Function can be selected.
(It can be easily noticed with the color of the lamp changing to blue or red.)
 - The built-in gas removal filter stops the harmful gas from generating outside the product.
- Various safety features are applied for safe usage.
- The U.S. FDA, RoHS, and MSPs requirements are met as the materials used are harmless to the human body.
- The product includes sterilized water function.
- The product has both domestic and foreign patents



■ Specification

Category	Standard	Remark
Working Voltage(V)	DC12V/1A	ADC Adaptor
Power Consumption(W)	144W	
Spa_Size(L x H x W)	51x180	
Controller_SizeL x H x W)	22x226	
Weight(kg)	1.7	
Dissolved Hydrogen(ppb)	Over 1,500	
ORP(mV)	Over -200mV	
Working Temp.(°C)	3~50°C	
Manufacturing Country and Manufacturer	Republic Korea / Dagaga Co., Ltd.	

■ Hydrogen Quality

- Unlike previous products, our product will only produce pure hydrogen and dissolve them in water. It also removes harmful gas through a separate filter structure to make it harmless for the human body.
- The 8100A product can produce pure hydrogen through ion exchange and it dissolves hydrogen in a drinking water contained in a cup by 1000ppb and maintain the dissolved hydrogen for 8 hours or more.
- In addition, it is designed to keep the internal pressure caused by hydrogen generation to be kept at a certain level.

■ Function and Performance

- The 5100A provides enough hydrogen to the body with the amount of dissolved hydrogen in the water being more than 1,500ppb
- The functions are
 - Power on/off
 - The operating time is 20minutes.
 - Hydrogen generation and cleaning Function can be selected.
(It can be easily noticed with the color of the lamp changing to orange or red.)
 - The built-in gas removal filter stops the harmful gas from generating outside the product.
- Various safety features are applied for safe usage.
- The U.S. FDA, RoHS, and MSPs requirements are met as the materials used are harmless to the human body.
- The product includes sterilized water function.
- The product has both domestic and foreign patents

DAGAGA HYDROGEN WATER PURIFIER

DHW-7100A



■ Specification

Category	Standard	Remark
Working Voltage(V)	AC 220V/1.5A	Cold Water
Power Consumption(W)	330W/2500W	Cold/Hot water
Size(L x H x W)	524x496x289	
Weight(kg)	12.5	
Dissolved Hydrogen(ppb)	Over 3,000	
ORP(mV)	Over -400mV	
Maximum Capacity(L)	1L/min	
Working Temp.(°C)	3~40°C	
Treatment type	Direct Water	
Available filtering capacity	1.5L	
Manufacturing Country and Manufacturer	Republic Korea / Dagaga Co., Ltd.	

■ Hydrogen Quality

- Unlike previous products, our product will only produce pure hydrogen with the purified water from the in-built filter and dissolve them in water. It also removes harmful gas through a separate filter structure to make it harmless for the human body.
- The 7100A product can produce pure hydrogen through ion exchange and it dissolves hydrogen in a drinking water contained in a cup by 3000ppb and maintain the dissolved hydrogen for 6 hours or more.
- In addition, it is designed to keep the internal pressure caused by hydrogen generation to be kept at a certain level.

■ Function and Performance

- The 7100A has a water discharge capacity of 1,000ml and the available filtering capacity is 1,500ml.
- The 7100A provides enough hydrogen to the body with the amount of dissolved hydrogen in the water being more than 3,000ppb

- The functions are
 - Power on/off
 - Operating time is the time it takes to produce water.
 - Hydrogen generation and cleaning Function can be selected.
(It can be easily noticed with the color of the lamp changing to blue or red.)
 - The built-in gas removal filter stops the harmful gas from generating outside the product.
- There are four types of filters, SEDI Filter, CARBON BLOCK Filter, UF Filter, and POST CABON Filter.
- The produced water can be set to water, hot water, and cold water.
- The Faucet on the side of the product makes it comfortable to use.
- Various safety features are applied for safe usage.
- The U.S. FDA, RoHS, and MSPs requirements are met as the materials used are harmless to the human body.
- The product has both domestic and foreign patents