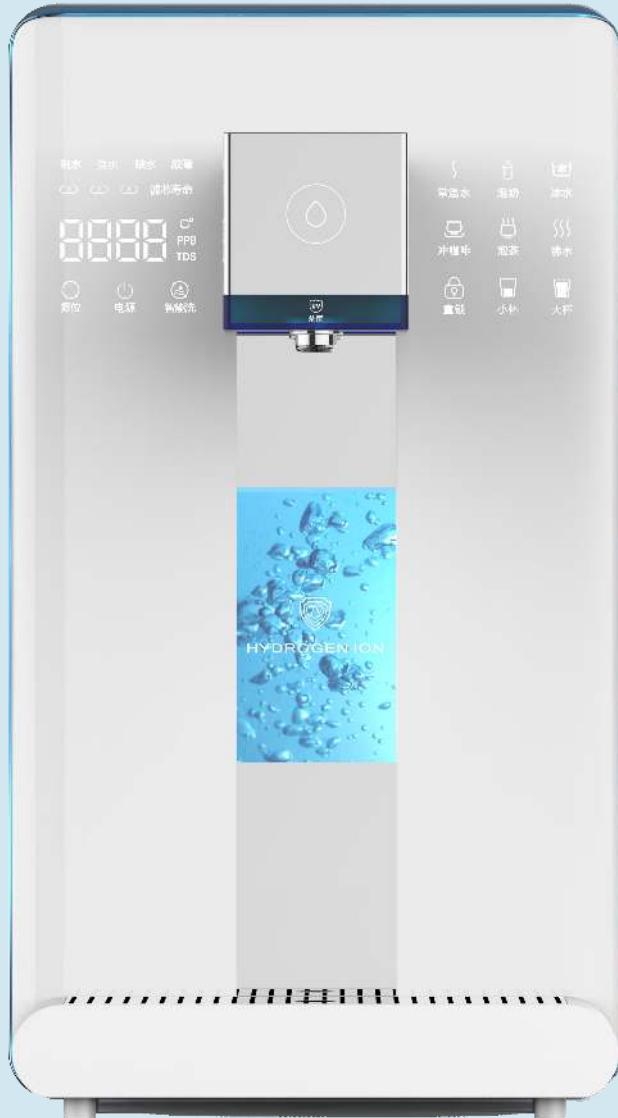


Hydrogen-rich cooling, heating and water purification in one step

Reverse Osmosis Water Purifier W19 Standard





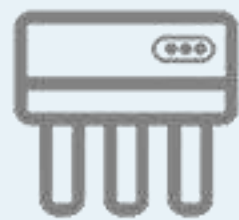
Selling point

- Post-modern, luxury and high-end appearance
- SPE electrolysis technology, making bubbly hydrogen-rich water
- Aerospace technology reverse osmosis purification technology
- Third generation of rare earth 3-second rapid heating technology, multi-stage water temperature
- Semiconductor cooling technology, down to 10 degrees of good taste
- Built-in LED UVC sterilization, visual indication
- 200G high flux membrane + built-in large water tank, fast water replenishment for continuous use by many people
- Real water tank for waste separation, no waste water circulation
- Intelligent reminder, intelligent IOT, enjoy intelligent life

One machine, many functions

A new way to drink water

A combination of filtration, heating and cooling, and hydrogen-rich water
It has the filtration function of a water purifier, the heating and cooling function of a water dispenser and the hydrogen water function of a hydrogen enriched water dispenser. Compact, powerful and mobile without installation.



+



+



+



- ✓ Instant hot
- ✓ Multi-stage temperature control
- ✓ Fresh water quality
- ✓ The bubbles are rich in hydrogen water

✗ High cost of core replacement

✗ The water is not fresh

✗ Waiting for the boiling

✗ Waiting for the refrigeration

✗ No air bubbles

✗ Making hydroge for a long time

Focus

Large - for continuous use by more people

Large raw water tank,
large throughput RO membrane,
large internal pure water tank



6L raw water tank, 2.5L waste water tank

Extra large water tank, high effluent ratio



200G high throughput RO membrane

Water production capacity 520ml/min, supply capacity greater than output

Continuous flow of water



3L built-in pure water tank

Advance water caching, zero waiting for water



Safer water quality



UVC sterilisation

Built-in UVC germicidal lamp, visual indication, germicidal and anti-bacterial, ensure water safety (can solve the problem of excessive COD in the industry)



Built-in water tank with openable lid for cleaning

Removable water tank, a small amount of sediment will form inside the tank after prolonged use, the cover can be removed to clean the tank



Healthier, tasty water



Sparkling hydrogen-rich water

SPE electrolysis technology rapidly electrolyses water into water rich in hydrogen atoms, allowing the water to be evenly wrapped with hydrogen molecules, resulting in a stable combination of hydrogen and water, producing a high concentration of sparkling hydrogen-rich water



Ice water can be made

Semiconductor cooling technology for good taste down to 10 degrees





Three advantages



3-second heat-up

Thick film technology, boiling water in 3 seconds, avoiding thousand rolls of water, fresher water.



4-stage purification

3-stage cartridge, 4-fold purification: aerospace reverse osmosis filtration technology, strontium-rich mineralised cartridge, carbon rod composite cartridge.



6-segment temperature control

Room temperature water, milk, honey water, coffee, green tea, boiling water.

3-stage cartridge - 4-fold filtration

Filter out heavy metals and retain beneficial minerals

This machine uses a disposable quick connect cartridge, which can be installed by yourself

① PAC composite cartridge

Removal of large particles such as sediment, rust, colloids and other pollutants, adsorption of foreign colours and odours, residual chlorine and other bacteria, micro-organisms, limescale and other minor impurities.

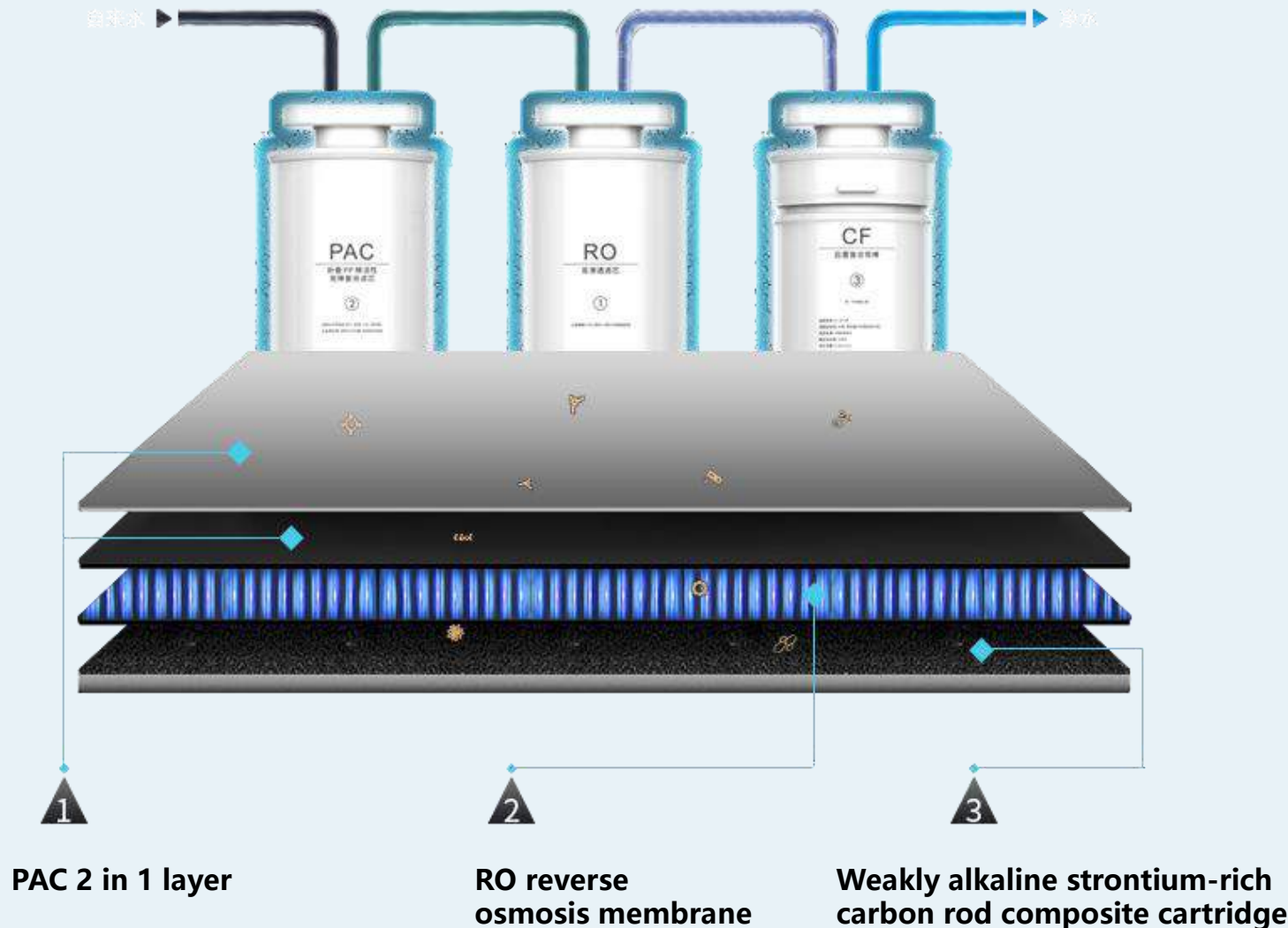
② 200G high throughput RO

reverse osmosis membrane

Filters out large particles of contaminants such as sediment, rust and colloids, adsorbs foreign colours and odours, residual chlorine etc.

③ Weakly alkaline strontium-rich carbon rod composite cartridge

Further adsorption of foreign colours and odours, the addition of minerals such as strontium, enhances the taste of the water and makes it sweet and tasty.



First stage: PAC composite cartridge

2-in-1 composite cartridge, 1 for 2, simpler purification

Filter material: PP cotton with folded polypropylene fibres + carbon rods

Function

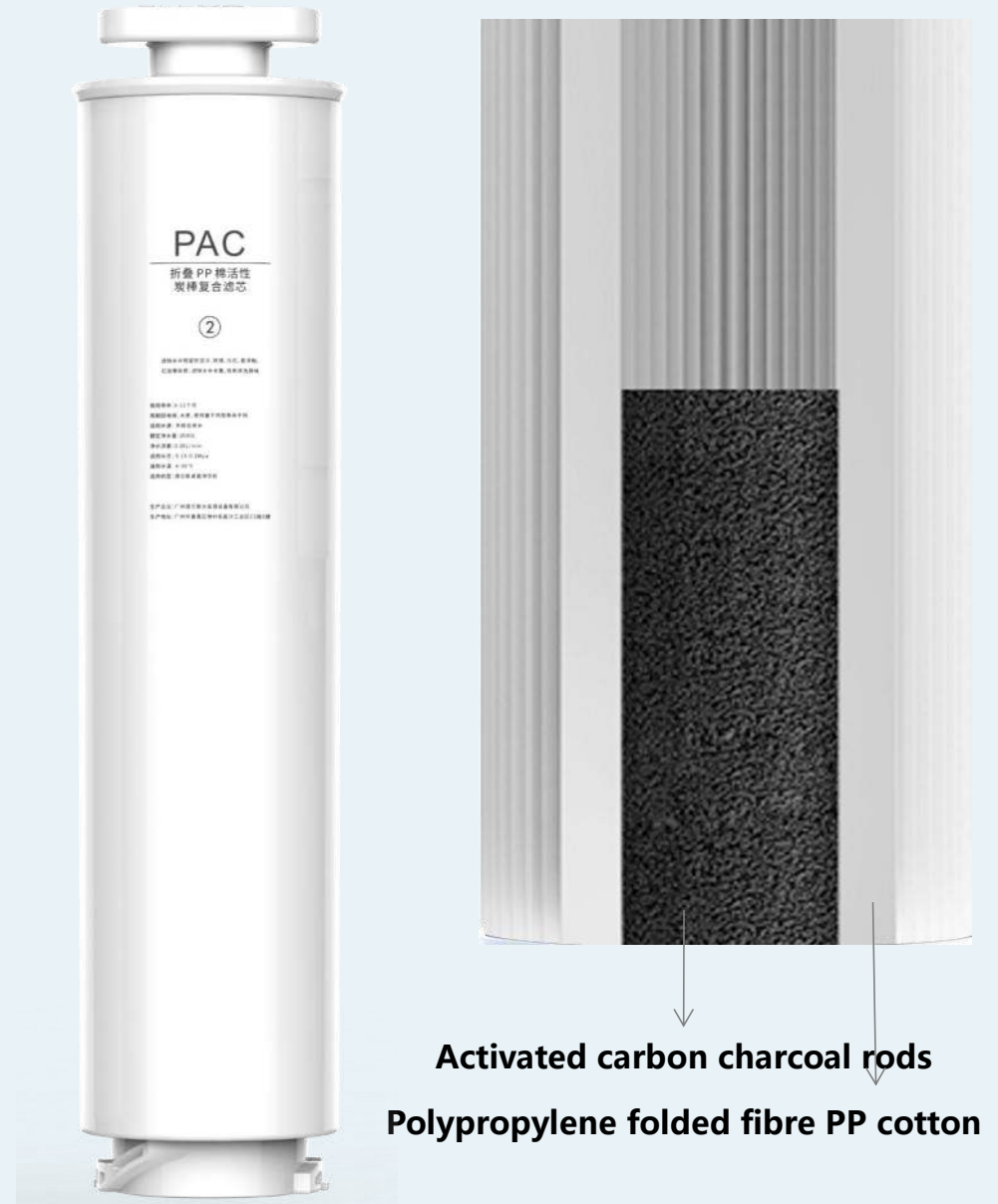
- ① Intercept large particles of impurities such as sediment and rust suspended in the water.
- ② Absorption of residual chlorine, odour, colour, etc.

Working principle

Folded fibre PP cotton: the innovative folded design reduces the volume but greatly increases the filtration area, pre-treating the incoming tap water and removing large particles of impurities such as sediment, rust, sand and gravel, suspended matter and debris left in the water.

Charcoal rod: Using a charcoal rod cartridge with smaller particles than traditional granular activated carbon, it has a larger surface area, stronger adsorption capacity and better filtration effect. Further deeper removal of residual chlorine, colour, odour and some organic matter from the water.

Caution: The temperature of the incoming water should not exceed 65°C to ensure the purity of the water.



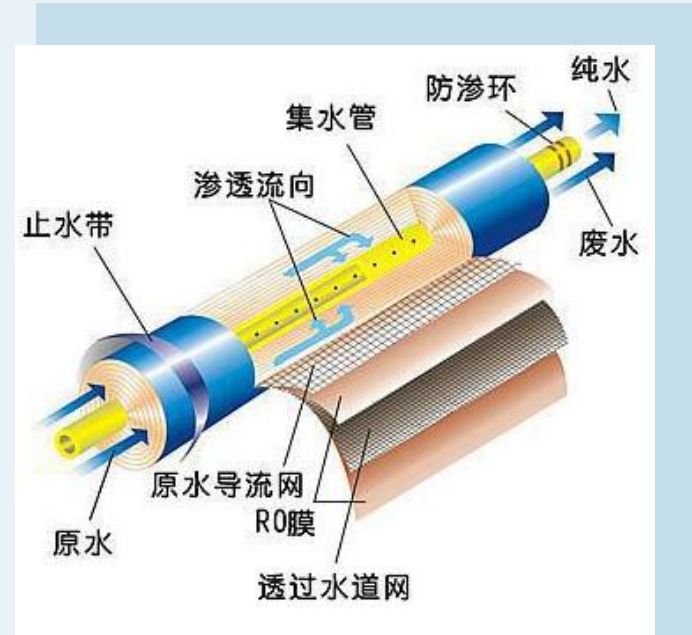


Second stage: RO reverse osmosis membrane (200G high throughput)

Filter material: RO reverse osmosis membrane
Background: When astronauts are in space, there is not a lot of fresh water available for drinking, so they use NASA's space-grade RO filter media to filter urine and sweat to turn it into water for drinking again.

Principle of operation: **High-tech aerospace-grade RO technology, theoretical purification accuracy of 0.0001 micron**, filtering out bacteria, chemical pesticide residues, radioactive particles, residual chlorine, micro-organisms, organic matter and other harmful substances in the water.

The 200G high throughput RO membrane is used to replenish the water super fast and meet the continuous use of as many people as possible.



Bacteria	Virus	Antibiotic	Rust	Inorganic substances	Organic matter
0.4-0.5μm	0.01-0.1μm	0.001-0.01μm	0.0005-0.005μm	0.0002-0.0005μm	Molecular weight > 100



Stage 3: Natural trace mineralised carbon rod cartridge



Natural trace mineralisation

- Zhongdi Shuishi developed by a team from China University of Geosciences
- Made from 18 types of natural mineral rocks crushed together
- Stabilizes the pH value of water Maintains the weak alkaline state of water

Filter material: 18 kinds of pure natural mineralised materials

Working Principle: 2 innovative national patent technologies, PCC modification process, greatly increasing the specific surface area of minerals and ion exchange adsorption capacity; trace element spectrum proportioning technology; 56 modification processes to achieve the stability of trace element release.

Water quality characteristics:

- Green, no secondary pollution, no heavy metal overload.
- Mildly alkaline, pH value can be stabilised between 7.0 - 8.5, maintaining v alkaline, pass water can reach more than 5 tons of water.
- Rich in potassium, sodium, calcium, magnesium and other trace elements spectrum, 15 months of continuous use still has a mineralizing effect.



蛇纹石



海浮石



钙长石



锌尖晶石



生物碎屑灰岩



百魔白云岩



磁铁矿



硅灰石



斜发沸石



腾冲火山石



百魔白云岩



泥灰岩



高岭土矿石



火山玻璃岩



电气石



天山麦饭石



钾长石



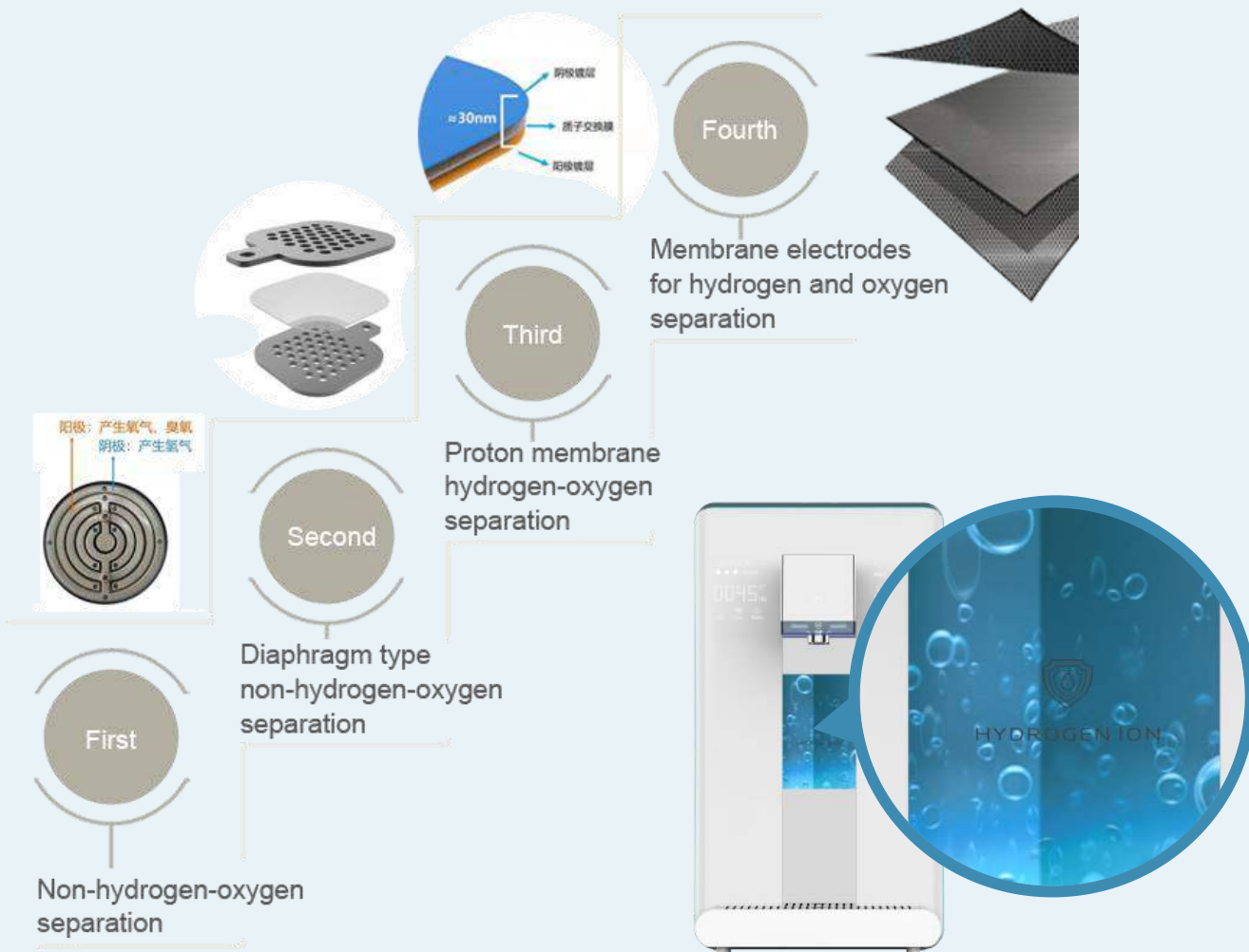
多孔玄武岩

SPE Electrolysis to Hydrogen Technology 4.0

Focus

Membrane electrode hydrogen-oxygen separation for the production of sparkling hydrogen-rich water

Hydrogen production technology upgrades don't stop there



The membrane electrode hydrogen-oxygen separation technology electrolyses water into water rich in hydrogen atoms, allowing the water to be evenly wrapped around the hydrogen molecules, resulting in a stable combination of hydrogen and water with high hydrogen concentration and good stability.

When the power is switched on, the built-in light allows you to see the bubbles produced by the electrolysis of hydrogen-rich water at a glance, and also allows you to enjoy a visual feast of light.

When the water tank is filled with water, the hydrogen production will start automatically and the default production time is 15 minutes.

Focus



3 seconds to heat up

No long waits, no running for water



Filter before you boil, drop by drop fresh and pure

- Explosion-proof steel core
- Heat quickly penetrates every water molecule
- Third generation of rare earth 3-second heat technology, to achieve 3 seconds of rapid heating
- Contrast with traditional heating, fresh water, avoid repeated heating



Thick film technology compared to quartz tube technology. Improves the disadvantages of its poor stability and high defect rate.

Adjustable 6-step temperature control

Temperature control for each section to easily meet different tea drinking needs



缺水 换水 缺水

滤芯

0000

复位 电源

出水

大屏常

睡眠中

锁屏

常温水

咖啡

锁屏

泡奶

泡茶

小杯

冰水

沸水

大杯

杀菌



Fixed volume water discharge

150ml, for small cups

300ml for larger glasses

500ml to prevent forgetting
to turn off the water



Focus

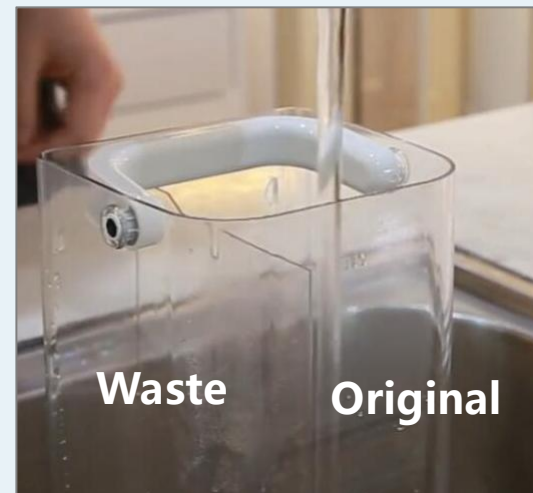
Net waste water separation tank

Better water quality | Longer pump life | More water purification



The original water tank and waste water tank are designed with a separate waste water tank for storage, the whole machine has a larger water purification capacity and cleaner and more secure water quality.

6L raw water 2.5L waste water, split integrated water tank with its own internal 3L water purification tank.



Built-in precision wastewater flow valve

No backflow design for wastewater

Cartridge life reminder

Care-saving maintenance



No light on for normal use.

When the cartridge reaches 80% of its service life, the orange light will flash to remind

Orange light is always on when the cartridge reaches the end of its life



Cartridge No. 1
PAC cartridge
Service life: 6-12 months



Cartridge No. 2
Reverse osmosis membrane cartridge
Service life: 12-24 months



Cartridge No. 3
Natural trace mineralised carbon rod cartridge
Service life: 6-12 months

Integrated water circuit

The original water tank, cartridge and water purification tank are connected by an integrated water circuit. Starting from the piping point, reducing the hidden danger of water leakage, while improving the efficiency of water production and reducing the assembly process.

The water circuit is under a strong pressure of 3.6MPA, with fewer interfaces and more reliable, so goodbye to water leakage.



Focus

两种安装方式可选



Self contained water tank, no installation

The water tank for refilling is free of installation and can be used in a variety of scenarios, including office and home use.



Product diagram

Display panels

Operating panels

Spout

Visualisation window

Water catch box

Carrying handle

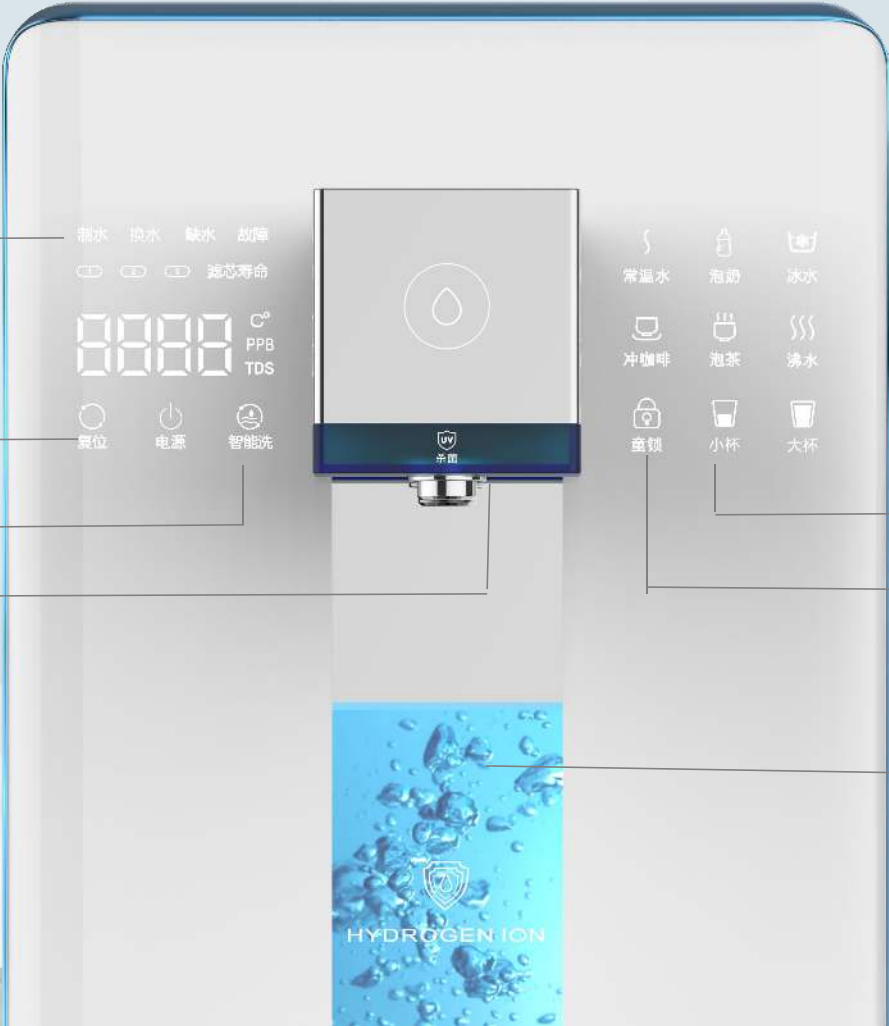
Raw water/waste water tanks

Main chassis



Touch operation panel

HD display, easy interaction design Easy to use



Status display area



"Cartridge reset" button



"Smart Wash" button



UVC sterilisation, visual indication



"Ambient water", "Milk", "Ice water" button



"Make coffee" "Make tea" "Boil water" button



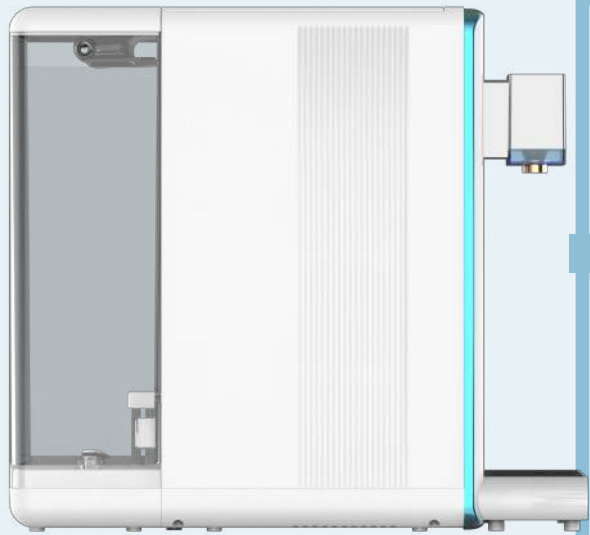
Dosing button for large and small cups



"Child lock" button



Visualisation window for hydrogen-rich technology



Product view



Product parameters

Product name	RO water purifier	Product type	W19 Standard
Rated net water	2000L	First stage cartridge	PAC composite cartridge
Water production flow	30L/h	Second stage cartridge	200G Reverse Osmosis Membrane Cartridge
Nominal voltage/frequency	220V~/50Hz	Third stage cartridge	Natural trace mineralised carbon rod cartridge
Power consumption	0.1kw-h/24h	Power rating	2200W
Original water tank capacity	6L	Hot water production capacity	18L/H($\geq 90^{\circ}\text{C}$)
Waste water tank capacity	2.5L	Work stress	0.4~0.6MPa
Applicable water temperature	4-38 $^{\circ}\text{C}$	Housing material	ABS
Applicable power supplies	Municipal tap water	Product size	475x240x430mm
Product net weight	10.2kg	Rated refrigeration power (with chiller type)	68W



Summary of key upgrades

- SPE electrolysis technology for sparkling hydrogen-rich water
- Semiconductor cooling technology, as low as 10 degrees good taste
- Upgraded large water supply capacity, 6L large water tank/200G large flux RO membrane/3L large pure water tank
- Add UVC sterilization lamp, built-in water tank can be dismantled and washed, anti-bacterial material added to water circuit
- Addition of separate waste water tank
- Optimized waste water flushing method, no backflow of waste water to original tank
- Integral water circuit board cartridge structure
- Dosing of water from large and small cups
- Intelligent reminder, intelligent IOT, smart life



Competitor comparison

Competitor Comparison – Core Features

Olansi W19
Market price: 12,999
Purification + high concentration
hydrogen enrichment + heating
all-in-one machine



Bixx N9 Market Price: 14999
Purification + low concentration
hydrogen enrichment + heating all
in one machine



Cloud X A601 Market Price: 16999
High flow hydrogen enrichment
machine



The W19 not only purifies and heats, but also has a high concentration of hydrogen, which is up to 1400 PPB, 10 times higher than the 200-300 PPB in the Aqua X. Compared to the Cloud X, which has only a single hydrogen enrichment function, it lacks a purification and heating system. The use of this product is more limited.

Competitor Comparison – Exterior Design

Olansi W19
New atmospheric high-end design
In-moulded scratch resistant panel
Large colour screen design



Bixx N9 European classic design
Oil-painted fuselage
Full touch colour screen design



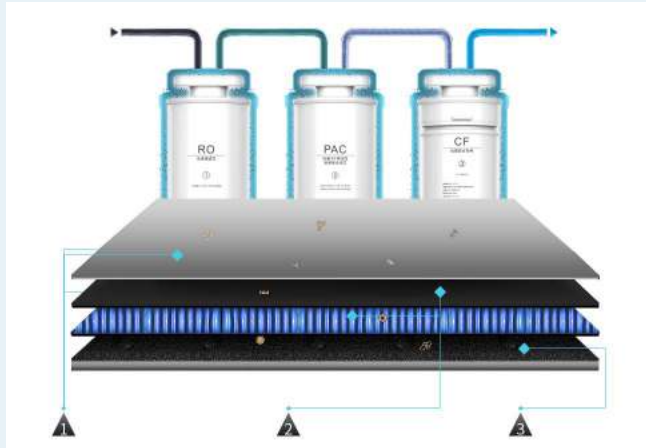
Cloud X A601 Stainless Steel
Industrial Design
No UI



Core feature differences: The W19 is designed in the latest design language, with a sleek, stylish and technologically robust appearance. The Avoid X Quan uses a classic design and adds a full touch colour screen design for extra points. Cloud X is called industrial stainless steel design.

Competitive Comparison – Purification Systems

Olansi W19
Four-stage filtration PAC composite
cartridge - 200G Reverse Osmosis
cartridge - CF post carbon rod



Bixx N9 4-stage filter PAC
composite cartridge - 100G
Reverse Osmosis cartridge - CF
post carbon rod



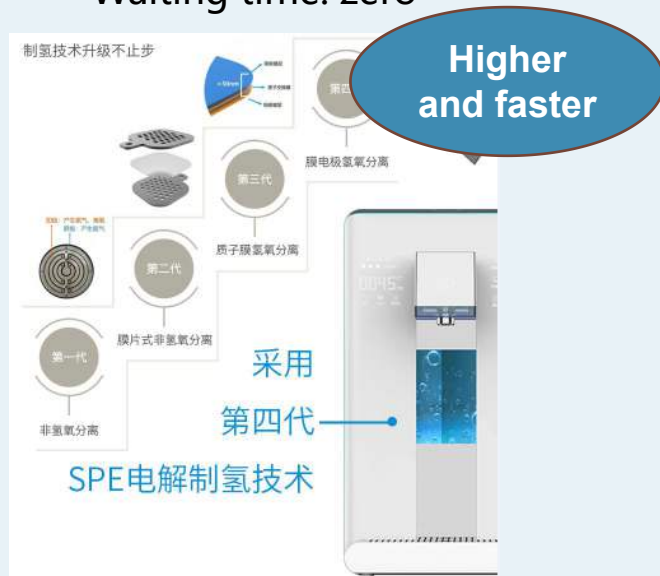
Cloud XA601
No filter system

Advantages and disadvantages: The W19 and N9 also use the same disposable quick connect cartridge and 3 cartridges with 4 filtration stages, but the W19 uses a 200G reverse osmosis cartridge, which is twice as fast as the Biyunquan, making the water faster and the 200G purification speed (520ml/min) is greater than the water machine's water extraction speed, which can meet the continuous uninterrupted water extraction, allowing multiple people to use water continuously. In contrast, the A601 does not have a purification system and requires a separate water purifier to be used.

In addition, the W19 has an additional scale inhibiting material in the pre-filter, which can improve the problem of membrane betting in areas with poor environmental water quality.

Competitor Comparison – Hydrogen Rich

Olansi W19
Hydrogen production using 4th generation SPE electrolysis technology
Hydrogen rich content: 1200-1400PPB
Waiting time: zero



Bixx N9 with first generation Japanese titanium grid electrolysis technology
Hydrogen-rich content: 188-280PPB
Waiting time: 3 minutes

源自日本的
铂金含氢水素技术

源自日本的铂金纯氢水解技术，智能长效水解，使用寿命长达10万小时，3分钟快速改善水质，迅速生成100-288ppb的水素水，生成细密的活性O₂和H₂分子充分溶于水，每一滴都是活化含氢富氧水。

含氢水素 机构检测报告
检测机构：微谱检测技术有限公司 报告编号：WJS-18076003-JC-01

Cloud XA601 with over-flow titanium platinum plated matrix module
Hydrogen rich content: 1000-1600PPB
Wait time: Zero

钛烧结铂金电极片，360°与水接触的环形设计

高效电解 耐腐蚀性强 超长使用寿命

500度高温多次烧结 拒绝剥落

多层铂金涂层

纯钛高质量基板

The W19 uses the latest fourth generation of SPE electrolytic hydrogen production with platinum plated membrane electrodes to separate hydrogen from oxygen, resulting in a rapid hydrogen content of 1200-1400ppb. Only the W19 has achieved a rapid and high concentration of hydrogen.

Competitor comparison – heating

Olansi W19

Thick film rare earth fast heating technology

Six stages of water temperature direct access

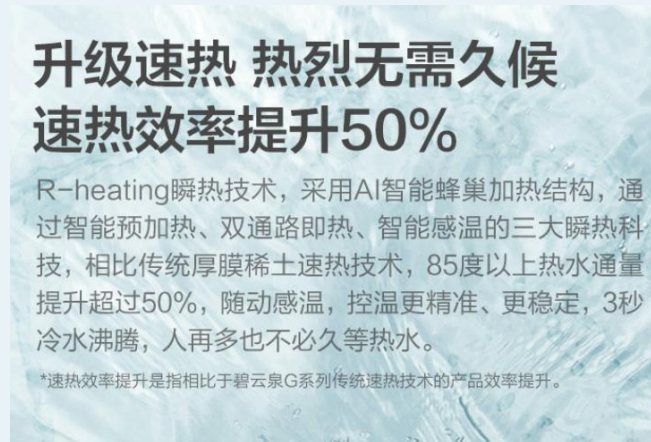
Waiting time: 3 seconds for rapid heating



Bixx N9 thick film rare earth fast heating technology

Three levels of direct access to water temperature, infinitely adjustable

Waiting time: 3 seconds for instant heating



Cloud XA601

No heating

The W19 and the N9, both with 3-second heat control, differ only slightly in the choice of temperature, with the W19 using six touch controls and the Biyunquan opting for three stages and infinitely variable temperature control. Both have their differences. The Cloud X A601 has no heating function.

Competitor comparison – Water tank

Olansi W19

Raw water tank: 6L, waste water tank:
2L

Built-in water tank: 2.5L

Separate water tank for water
purification and waste

W19
water tank
is bigger

Original water tank

Concentrated water tanks



BiXX N9 original water tank: 7.5

Built-in water tank: 1.5L

Non-net waste separation tank



Cloud XA601

No heating

Core functional differences: The W19 water tank is designed with independent partitioning of net and waste, and through the exclusive design of flushing method to achieve a 2:1 net to waste ratio and to truly achieve concentrated water without reflux (in traditional design, concentrated water after RO filtration will return to the original tank to be filtered again, which will easily affect the life of the filter). This allows users to have greater peace of mind and effectively improves the problem of membrane gambling and extends the life of the cartridge.

Competitor Comparison – Other

Projects	Olansi W19	Bixx N9	Cloud X A601
Disposable cartridges	yes	yes	None
Cartridge reminder	Cascading reminders	Cascading reminders	None
UI operation	Touch Screen + Touch	Touch Screen + Touch	None
Water circuit board design	yes	no	None
Receiver design (without water tank)	Purchase options	No design	Yes, no free installation
Fixed volume water discharge	yes	yes	None
Child lock protection	yes	yes	-

Advantage: The W19 has a safety design with an additional water circuit board and can be purchased with either a no installation or a receiver installation option.

healthy water

**Good and healthy
water
Start by choosing**

Water purification experts for a
healthier life

