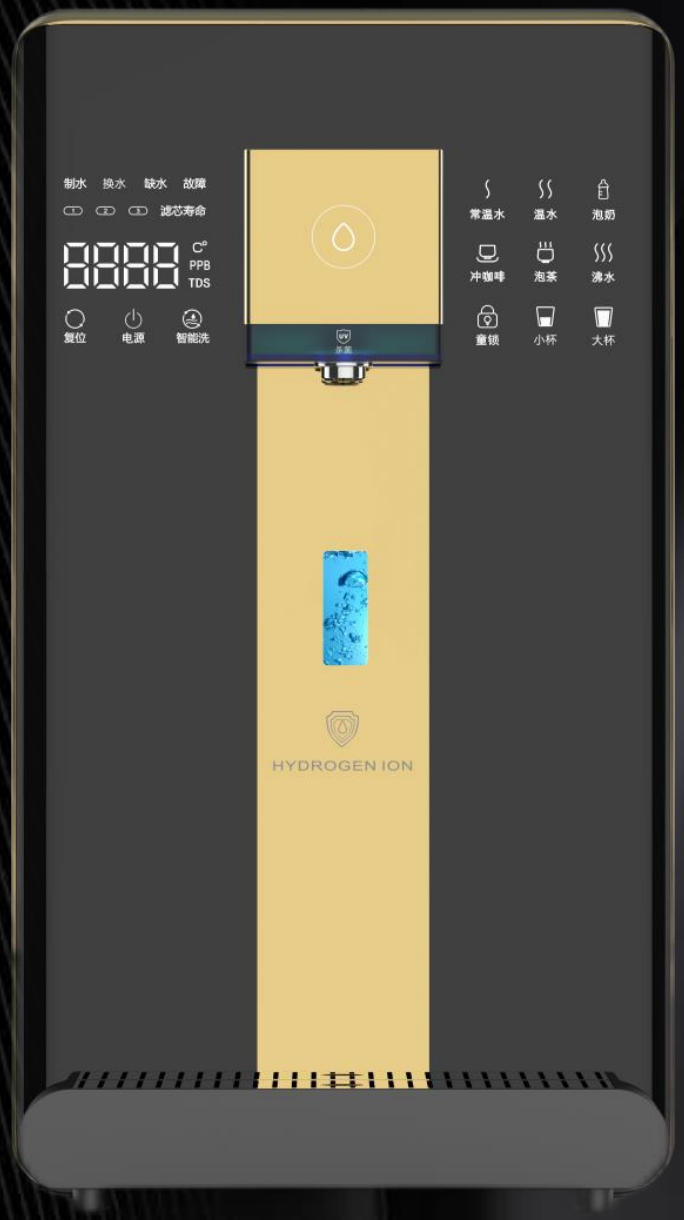
SUPER INTELLIGENCE

超智能 黑科技
Super Intelligence Blackbox Technology

富氢速热净饮
Hydrogen-rich and Fast-heating Water Purification and Dispensing
一步到位
In one step

反渗透净饮机W19 PRO
Reverse Osmosis Water Purification and Dispensing Machine
W19 PRO



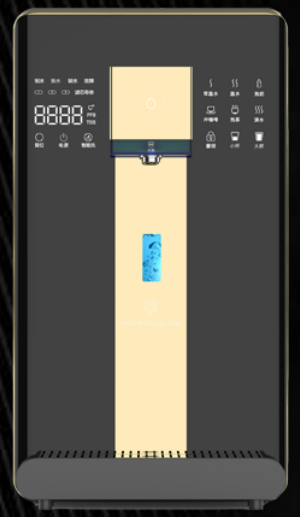
核心卖点

Core selling point

- 后现代轻奢高端大气外观
- Post-modern, light luxury and high-end atmospheric appearance
- 物理溶氢纳米气泡超浓富氢水技术
- Technology of super-concentration hydrogen-rich water by physically dissolved hydrogen nano-bubbles
- 航天科技反渗透净化技术
- Reverse osmosis purification technology from space science and technology
- 第三代稀土3秒速热技术，多段水温
- The third generation of 3-second instant heating with rare earth technology, water temperature changed in different stages.
- 内置LED UVC 杀菌，可视化指示
- Built-in LED UVC sterilization, visual indication
- 200G大通量膜+内置大水箱，快速补水多人连续使用
- 200G high flux membrane + built-in large water tank, fastly and continuously supplying for many people.
- 真正的净废分离水箱， 无废水循环
- True purified and waste separation tank, realizing circulation without waste
- 智能提醒，享智慧生活
- Intelligent reminder, intelligent life enjoyment

一机多能
One machine with several functions
升级喝水新方式
Upgrading new ways to drink water

集过滤、加热制冷、富氢水为一体，
Setting the filtration, heating and cooling, hydrogen-rich water as one
既有净水器的过滤功能，又有饮水机的加热制冷功能、富氢水机的制氢水功能
This machine fuses the filter of water purifier, heating and cooling of water dispenser and hydrogen production of hydrogen-rich water purifier
身体小巧，功能强大，并且无需安装，随心移动。
The body is small, powerful, does not need to install, and can move as you like.



- 即开即热
  Heating when turn on immediately
- 多段温控
  Multi-stage temperature control
- 水质新鲜
  The high quality of water
- 气泡富氢水
  Hydrogen-rich water with bubbles

- 换芯成本高
  The high cost of core-changing

- 水质不新鲜
  The stale taste of water

- 等烧开
  Waiting time for the boiled water
- 等水凉
  Waiting time for water cooling

- 制氢久
  Long time of hydrogen production
- 无气泡
  Bubble free

重点升级
Key upgrades

大· 满足更多人连续使用
It is so big as to meet more people’s continuous use

大原水箱， 大通量RO膜， 大内置纯水箱
Big raw water tank, high flux RO membrane, large built-in pure water tank

6L原水水箱，2.5L废水箱
6L raw water tank, 2.5L waste water tank

超大水箱，高废水比

Super-large water tank, high waste water ratio

200G 大通量RO膜
200G high flux RO membrane

制水能力520ml/min, 供水能力大于出水量 可持续源源不断供水

Water production capacity: 520ml/ min, water supplying is greater than water output, sustainable and continuous water supplying

2L 内置纯水箱
2L built-in pure water tank

提前制水缓存， 出水零等待

Advanced water caching, no waiting for getting the water

水质更安全
The water quality is safer

重点升级
Key upgrades

UVC杀菌
UVC sterilization

内置UVC杀菌灯，可视化指示， 杀菌抑菌，确保水质安全（可解决行业COD超标问题）

Built-in UVC lamp with visual indication has bactericidal and bacteriostatic functions, and ensures water quality safety (can solve the industry problem of COD exceeding the standard)

内置水箱可开盖清洗
The cover on built-in water tank can be opened for cleaning

可拆卸式水箱， 长期使用后水箱内部会有少量沉淀物， 本机可以拆盖进行水箱清洁

Removable water tank, long-term use will lead to a small amount of sediment inside the tank, and the cover of this machine can be removed for water tank cleaning

重点升级
Key upgrades

水质更健康、有口感
The water is healthier and more palatable

气泡富氢水
Hydrogen-rich water with bubbles

全球领先技术，通过独立电解模块将纯净水电解生成氢气，并通过水汽混合系统将氢气和饮用水快速混合和加压，使氢气瞬间溶解到饮用水中生成超高浓度富氢水

World leading technology to electrolyze purified water into hydrogen through independent electrolysis module, and rapidly mix and pressurize hydrogen and drinking water through water vapor mixing system to instantly dissolve hydrogen into drinking water to generate super-concentration hydrogen-rich water

三大优势
Three advantages

3秒速热
3-second fast heating

厚膜技术，3秒煮开水，避免千滚水，水质更新鲜。

Thick film technology, boiling water will only need 3 seconds, and water presents much higher quality after thousand boiling water is avoided.

4级净化
4-layer purification

3级滤芯，4重净化：航天反渗透过滤技术、富锶矿化滤芯、炭棒复合滤芯。

3-grade filter element, 4-layer purification: Aerospace reverse osmosis filtration technology, strontium-rich mineralized filter element, carbon composite filter element.

6段温控
6-stage temperature control

常温水、泡奶、蜂蜜水、冲咖啡、泡绿茶、开水。

Making normal temperature water, milk, honey water, brewing coffee, green tea, and boiling water.

3级滤芯·4重过滤
3-grade filter element · 4-layer filtration

滤除重金属，保留有益矿物质
Filtration of heavy metals, retention of beneficial minerals

PAC2合1层
2 PAC combining into 1

RO反渗透膜
RO membrane

天然微量矿化碳棒滤芯
Natural trace mineralized carbon rod filter element

本机采用抛弃式快接滤芯，可自行安装
This machine adopts jettison-type quick-connect filter, which can be installed by itself.

① PAC复合滤芯
① PAC composite filter element

滤除泥沙、铁锈、胶体等大颗粒污染物，吸附异色异味，余氯等细菌、微生物、水垢等微小杂质。
Filtration of sediment, rust, colloid and other large particulate pollutants, adsorption of small impurities such as colors, odors, residual chlorine and other bacteria, micro-organisms and scale.

② 200G大通量 RO反渗透膜
② 200G high flux RO reverse osmosis membrane

滤除泥沙、铁锈、胶体等大颗粒污染物，吸附异色异味，余氯等。
Filtration of sediment, rust, colloid and other large particulate pollutants, adsorption of colors, odors, residual chlorine, and so on.

③ 天然微量矿化碳棒滤芯
③ Natural trace mineralized carbon rod filter element

进一步吸附异色异味，增加锶等矿物质，增强水质口感，使水变得甘甜可口。
Further adsorption of colors and odors, increasing strontium and other minerals, can enhance the taste of water quality, making water sweet and delicious.

第一级：PAC复合滤芯
Level 1: PAC composite filter element

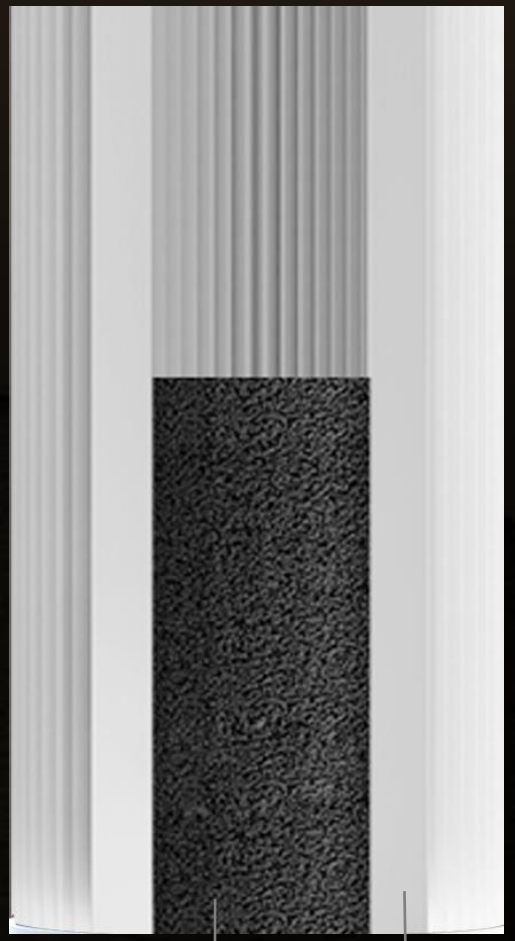
二合一复合滤芯，1根抵2根，净化更简单
Two-in-one composite filter element, 1 piece can substitute two traditional ones, and purification is more simple.

滤材：聚丙烯折叠纤维PP棉+炭棒
Filter material: Polypropylene folding fiber PP cotton + carbon rod

作用：
Actions:
① 拦截水中残留的泥沙、铁锈悬浮物等大颗粒杂质。
① Intercepting large particles of sediment, rust suspended solids and other impurities in water.
② 吸附余氯、异味、异色等。
② Removal of residual chlorine, odor, colors, etc.

工作原理：
How it works:

折叠纤维PP棉：创新采用折叠式设计，缩小了体积，过滤面积却大大增加，对进入的自来水进行预处理，去除水中残留的泥沙、铁锈、沙石、悬浮物、杂物等大颗粒杂质。
Folding fiber PP cotton: folding design, which reduces the volume, but greatly increases the filter area. The tap water is pre-treated to remove the residual sediment, rust, sand, suspended solids, debris and other large particles.
炭棒：使用比传统颗粒活性炭颗粒更小的炭棒滤芯，表面积更大，吸附能力更强，过滤效果更好。进一步深层次的去除水中的余氯、异色、异味及部分有机物。
Carbon rod: The carbon filter element, which is smaller than traditional granular activated carbon, has larger surface area, stronger adsorption ability and better filtration effect. Further removal of residual chlorine, different color, peculiar smell and some organic matter in the water.
注意事项：进水温度不能超过65℃，保证水的纯净。
Note: The inlet temperature should not exceed 65 ℃ to ensure the purity of the water.



活性炭炭棒
Activated carbon rod

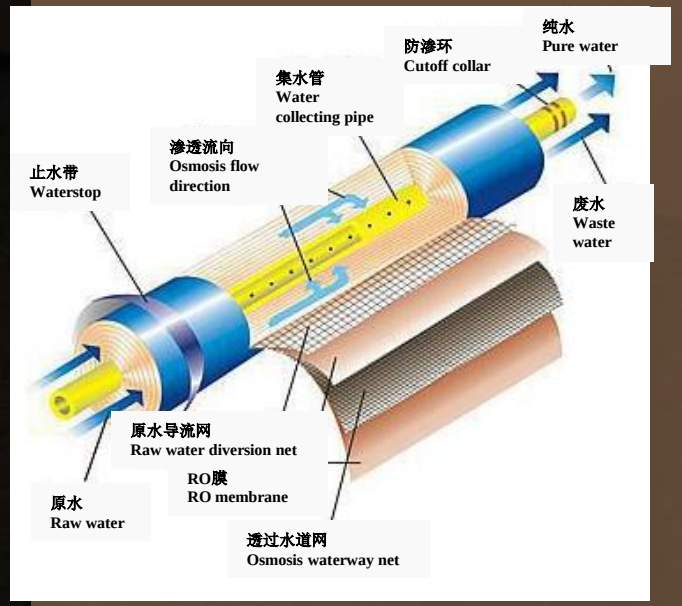
聚丙烯折叠纤维PP棉
Polypropylene folding fiber PP cotton

第二级: RO反渗透膜(200G大通量)
Level 2: RO membrane (200G high flux)

滤材：RO反渗透膜
Filter material: RO membrane
使用背景：航天员上太空的时候，太空没有大量的淡水供予饮用，所以航天员使用美国NASA航天级RO反渗透滤材，通过过滤尿液和汗液来变成再次饮用的水。
Use background: Astronauts don't have a lot of fresh water to drink when they go into space, so they use NASA's space-grade RO reverse osmosis filter to filter urine and sweat into drinking water again.

工作原理：采用**高科技航天级RO反渗透技术，理论净化精度0.0001微米**，滤除水中细菌、化学农药残留物、放射性微粒、余氯、微生物、有机物等有害物质。
How it works: Using **high-tech space RO technology theoretically assists in purifying the impurity down to 0.0001 microns**, and filtering out the bacteria, chemical pesticide residues, radioactive particles, residual chlorine, microorganisms, organic substances and other harmful substances.

采用200G大通量RO膜片，超快补水，满足多少人连续使用。
Using 200G high flux RO membrane can help supply water with ultra-fast speed, and meet a number of people's demand for continuous use.



细菌 Bacteria	病毒 Virus	抗生素 Antibiotics	铁锈 Rust	无机物 Inorganic substance	有机物 Organic substance
0.4-0.5μm	0.01-0.1μm	0.001-0.01μm	0.0005-0.005μm	0.0002-0.0005μm	分子量大于100 The number of molecules is more than 100

第三级：天然微量矿化碳棒滤芯

Level 3: Natural trace mineralized carbon rod filter element

天然微量矿化

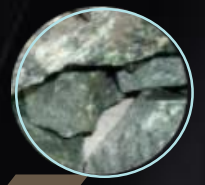
Natural trace mineralization

中国地质大学团队研发的中地水石
Zhongdi rock developed by China University of Geosciences
由18种天然矿岩破碎而成
It is formed by crushing 18 kinds of natural ore rocks
稳定水的PH值 保持水弱碱态
Stablize PH value of water and maintain weak alkali state of water

滤材： 18种纯天然矿化材料
Filter material: 18 purely natural mineralized materials

工作原理：采用2大创新国家专利技术，PCC改性工艺，极大增加矿物比表面积和离子交换吸附容量； 微量元素谱配比技术；56道改性工艺实现微量元素的释放稳定性。
How it works: Two innovative national patent technologies and PCC modification process are adopted to greatly increase the surface area and ion exchange adsorption capacity of minerals; microelement spectrum proportioning technology; 56 modification processes to realize release stability of microelements.

水质特点：
Characteristics of water quality:
·绿色环保，无二次污染，无重金属超标；
·Environmental protection, no secondary pollution, no excessive heavy metals;
·微碱性，pH值可以稳定在7.0——8.5之间，保持v碱性，通水可以达到5吨水以上；
· Weak alkaline, pH can be stable between 7.0 - 8.5, maintain weak alkaline, and water can reach more than 5 tons;
·富含有钾钠钙镁等微量元素谱，连续使用15个月依然具有矿化效果。
· Rich in microelements such as potassium, sodium, calcium and magnesium, it still has mineralization effect after continuous use for 15 months.


蛇纹石
Serpentine

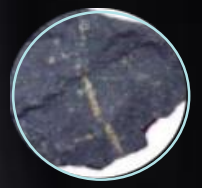
海浮石
Pumice stone

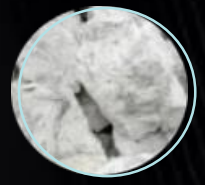
钙长石
Anorthite

锌尖晶石
Gahnite

生物碎屑灰岩
Baimo bioclastic limestone

百魔白云岩
Dolomite

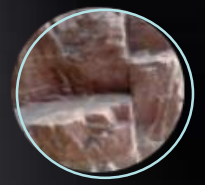

磁铁矿
Magnetite


硅灰石
Wollastonite

斜发沸石
Clinoptilolite

腾冲火山石
Tengchong Volcanic Stone

百魔白云岩
Dolomite

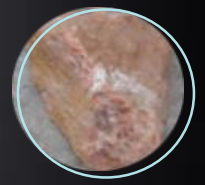

泥灰岩
Marl

高岭土矿石
Kaolin ore

火山玻璃岩
Acid volcanic glass

电气石
Tourmaline

天山麦饭石
Tianshan Maifan Stone


钾长石
Potash feldspar

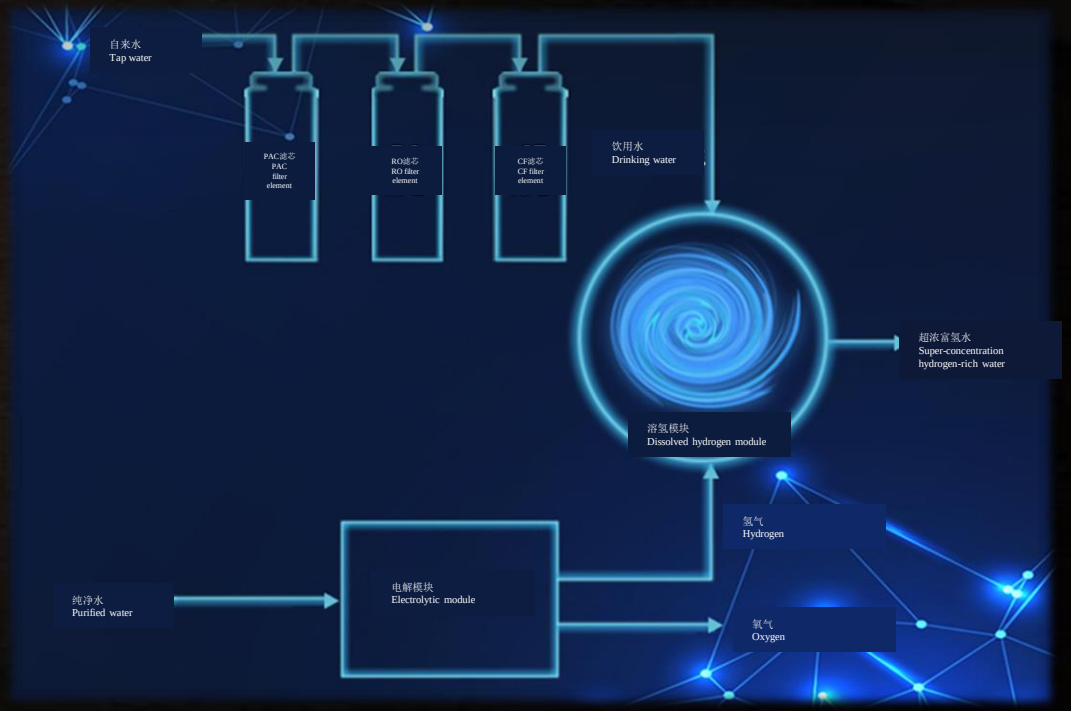
多孔玄武岩
Porous basalt

重点升级
Key upgrades

物理溶氢超浓富氢水技术
Technology of super-concentration hydrogen-rich water by physically dissolved hydrogen

全球领先技术，通过独立电解模块将纯净水电解生成氢气，并通过SuperMix气液混合系统将氢气和饮用水快速混合和加压，使氢气瞬间溶解到饮用水中生成超高浓度富氢水

World leading technology to electrolyze purified water into hydrogen through independent electrolysis module. Rapidly mix and pressuriz hydrogen and drinking water through SuperMix gas-liquid mixing system to instantly dissolve hydrogen into drinking water to generate super-concentration hydrogen-rich water.



重点升级
Key upgrades

SuperMix气液混合技术
SuperMix gas-liquid mixing technology

气体溶解过程
Process of gas dissolution

是指气体分子通过热力学平衡过程进入液体分子内部的过程。
It refers to the process in which gas molecules enter into liquid molecules through thermodynamic equilibrium process.

SuperMix气液混合技术
SuperMix gas-liquid mixing technology

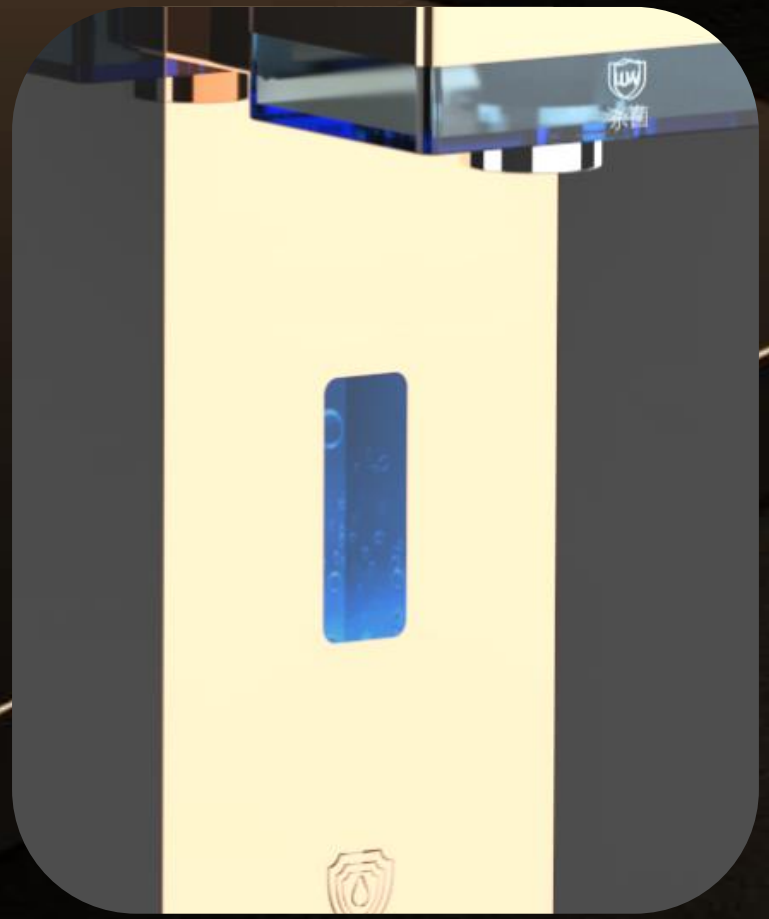
本系统采用SuperMix气液混合技术，通过水流在受限空间内强制的高速相对流动，利用水分子间巨大剪切力对自由氢气进行高速切割，形成大量微米、亚微米级氢气气泡，极大增加气液接触面积，在短时间内实现氢气的溶解过程；
SuperMix gas-liquid mixing technology is adopted in this system. Through the forced high-speed relative flow of water in the confined space, the free hydrogen is cut at high speed by the huge shearing force between water molecules, forming a large number of micro-and sub-micron hydrogen bubbles, greatly increasing the gas-liquid contact area, and realizing the process of hydrogen dissolution in a short time;

专利设计
Patent design

溶解大量氢气的水进入截流通道降压至常压，专利设计的截流孔道通过高频率注入具有可压缩性的氢气，限制水流速度梯度，降低溶解氢气分子的同向碰撞几率，提升氢气分子在水中的留存时间，保证出水溶解氢气的含量。
The water that dissolves a large amount of hydrogen enters into shut-off channel to reduce pressure to normal pressure. The shut-off channel with patent design is designed to inject compressible hydrogen through high frequency to limit the water flow velocity gradient, reduce the same-direction collision probability of dissolved hydrogen molecules, improve the retention time of hydrogen molecules in water, and ensure the dissolved hydrogen content in the outlet water.

重点升级
Key upgrades

富氢水的特点
Characteristics of hydrogen-rich water



抗氧化能力强

Strong antioxidant capacity

富氢水含量有丰富的活性氢，可以有效去除体内自由基，具有超过维生素C、胡萝卜、卵磷脂等所有人类已知抗氧化物的抗氧化性。

Hydrogen-rich water is rich in active hydrogen, which can effectively remove free radicals in the body and contains anti-oxidation stronger than all known antioxidants such as vitamin C, carrot, lecithin.

穿透性强

Strong penetrability

富氢水属于小分子团水，易吸收渗透力强。

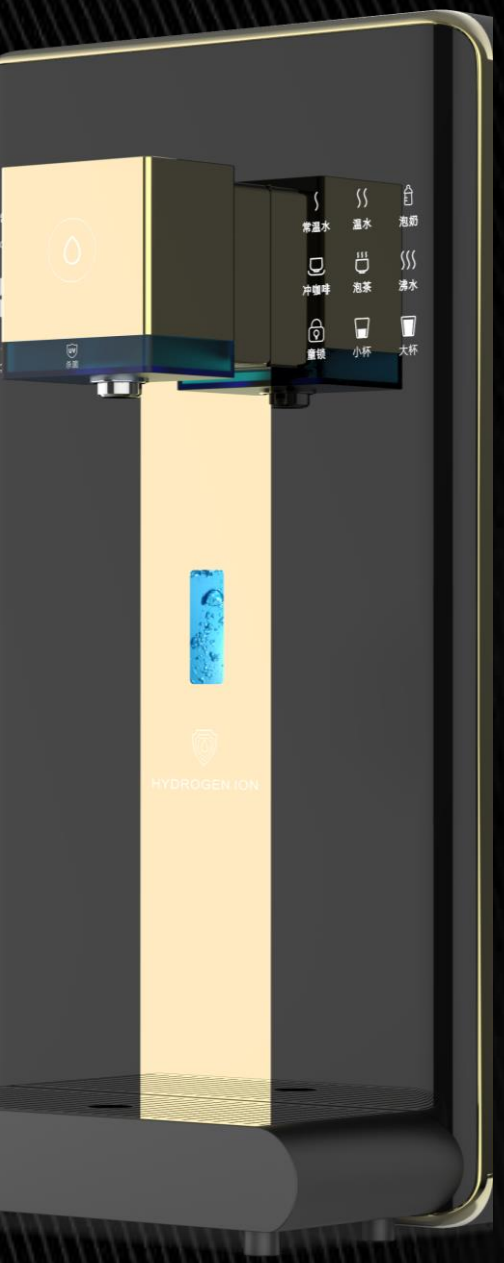
Hydrogen-rich water belongs to microcluster water, which is easy to absorb and has strong penetrability.

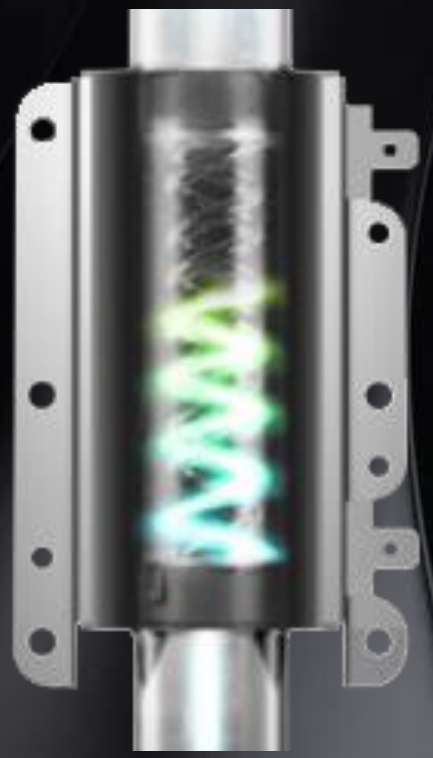
安全可靠

Safe and reliable

富氢水属于负电位水，和人体体液的弱碱性更具亲和力。

Hydrogen-rich water belongs to negative potential water and has more affinity for weak alkalinity of human bodyfluids.





3秒即热
3-second instant heating

拒绝漫长等待，不为喝水奔波
Refuse to wait long, not run for water

先过滤再烧水，滴滴新鲜纯净
Fresh and pure drops can be achieved when the water is filtered first and then boiled.

·防爆精钢芯

· Explosion-proof refined steel core

·热量迅速穿透每个水分子

·Heat quickly penetrates every water molecule.

·第三代稀土3秒速热技术，实现3秒速热

· The third generation rare earth 3-seconds heat technology, realizes 3 seconds heat.

·同传统加热对比，水质新鲜，避免反复加热

· In comparison with traditional heating, water quality is fresher and repeated heating can be avoided.

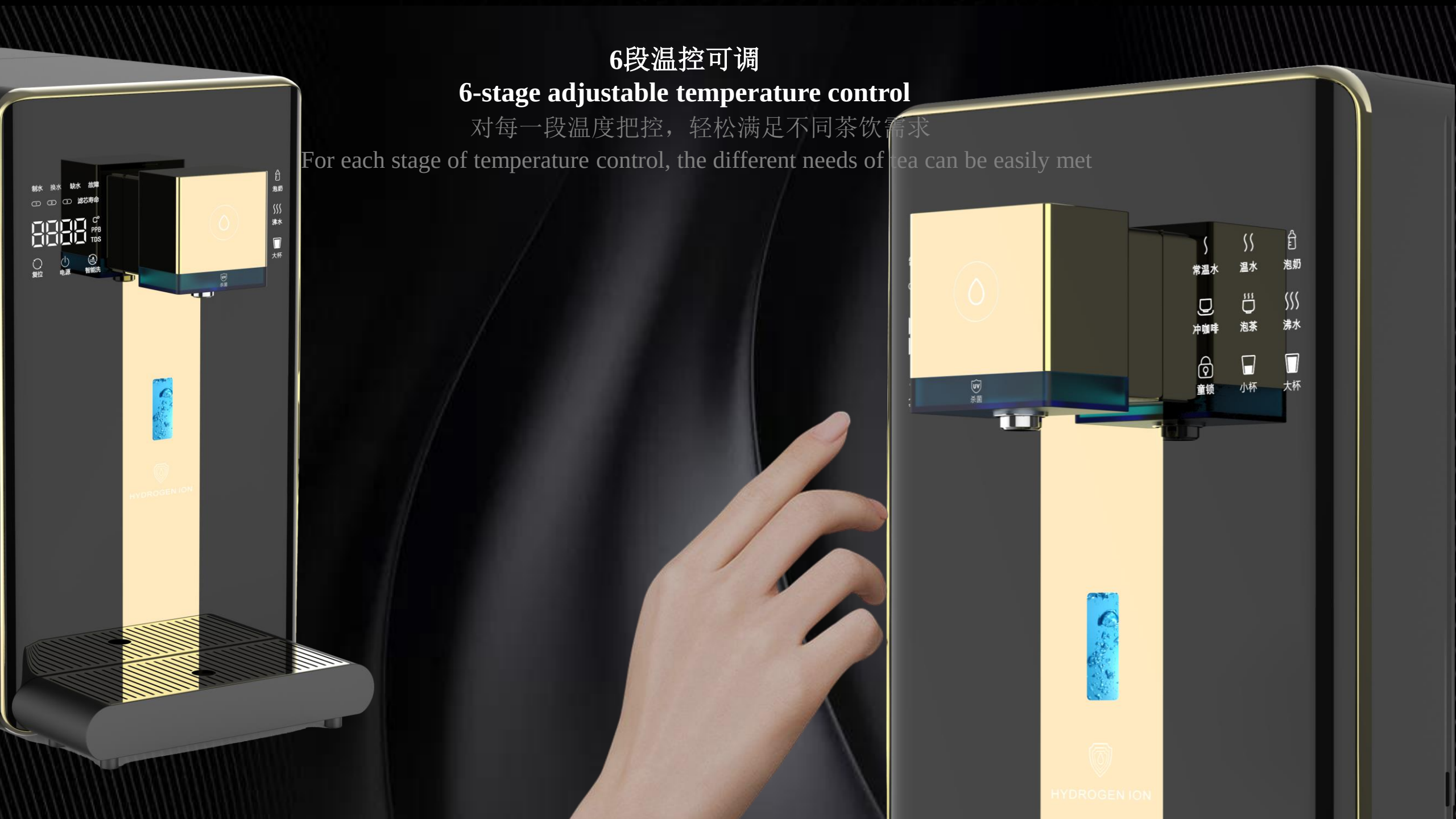
厚膜技术对比石英管技术，
Thick film technology contrasts with quartz tube technology.
改善了其稳定性差、不良率高的缺点。
The disadvantages of poor stability and high bad rate are improved.

6段温控可调

6-stage adjustable temperature control

对每一段温度把控，轻松满足不同茶饮需求

For each stage of temperature control, the different needs of tea can be easily met



定量出水
Quantitative effluent

150ml，满足小杯取水
150ml, for a small glass of water.

300ml，满足大杯取水
300ml for a large glass of water

500ml，预防忘记关水
500ml to prevent you from forgetting to turn off the water

重点升级
Key upgrades

净废水分离水箱
Net wastewater separation tank

水质更好 | 水泵寿命更长 | 净水量更大
Better Water Quality | Longer Pump Life | Greater Water Yield

原水箱和废水箱设计，废水箱单独储存，整机的净水量更大，水质更干净、更有保障。

The raw water tank and waste water tank are designed, and the waste water tank is stored separately, making water yield of the whole machine bigger with high-quality water.

6L原水2.5L废水，分体式集成水箱，内部自带2L净水箱。

6L raw water, 2.5L waste water, split integrated water tank, internal equipped with 2L purified water tank.

内置精密废水流量阀
Built-in precise waste water flow valve

废水无回流设计
Non-reflux waste water design

滤芯寿命提醒
Filter element life warning
保养省心
Care without worrying

正常使用不亮灯，
Normal use with lights unlit
滤芯使用寿命达到80%，亮橙色灯闪烁提醒，
The service like of filter element is up to 80%, flashing bright orange light means warning,
到期常亮橙灯
Orange light means expiry

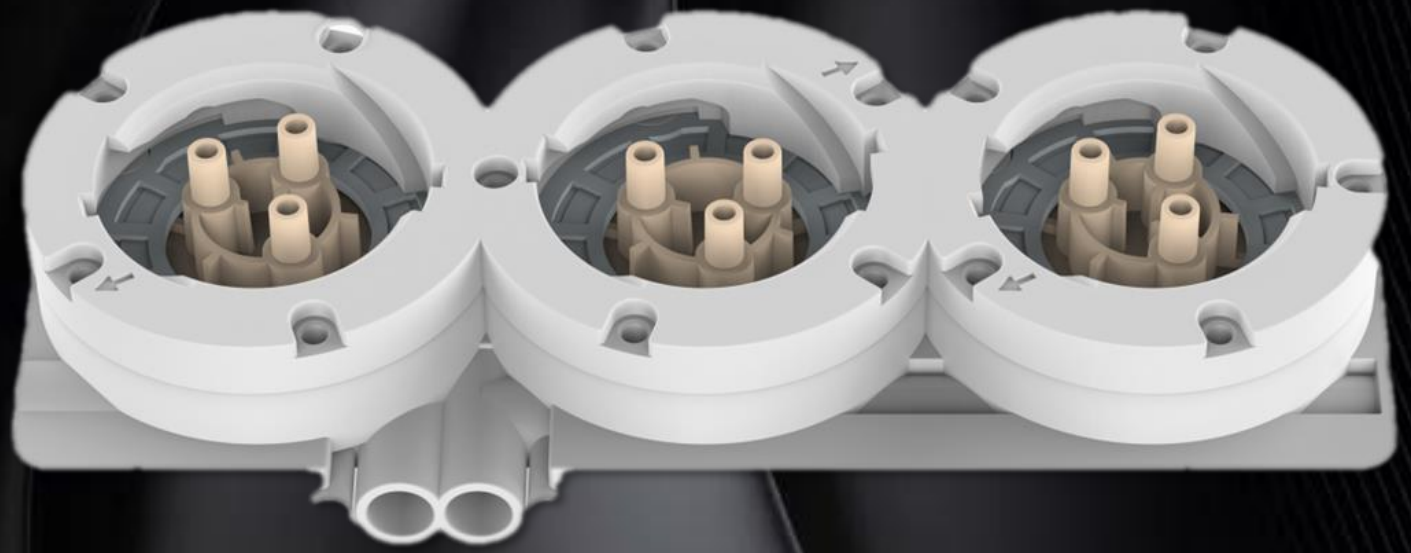
1号滤芯
Filter element No.1
PAC滤芯
PAC filter element
使用寿命：
Service life: 6-12个月
6-12 months

2号滤芯
Filter element No.2
反渗透膜滤芯
RO membrane filter element
使用寿命：
Service life: 12-24个月
12-24 months

3号滤芯
Filter element No.3
天然微量矿化碳棒滤芯
Natural trace mineralized carbon rod filter element
使用寿命：
Service life: 6-12个月
6-12 months

一体化集成水路
Integrated waterway

原水箱、滤芯、净水箱采用集成水路连接，
The original water tank, filter element and purified water tank are connected by integrated water way.
从管路点入手，减少漏水隐患，同时提升了制水效率，降低了组装工序；
The pipeline point is designed to reduce the hidden danger of water leakage, improve the efficiency of water production, reduce the assembly process;
水路承压3.6MPA强压力，接口更少，更可靠，告别漏水。
Water way can bear 3.6 MPA strong pressure, with less connectors, which makes the machine more reliable and avoids leakage.



重点升级
Key upgrades

两种安装方式可选
Two installation methods are optional

自带水箱， 免安装
Built-in water tank, free installation

自带水箱进行加水， 可免安装， 适用于任何家用场景

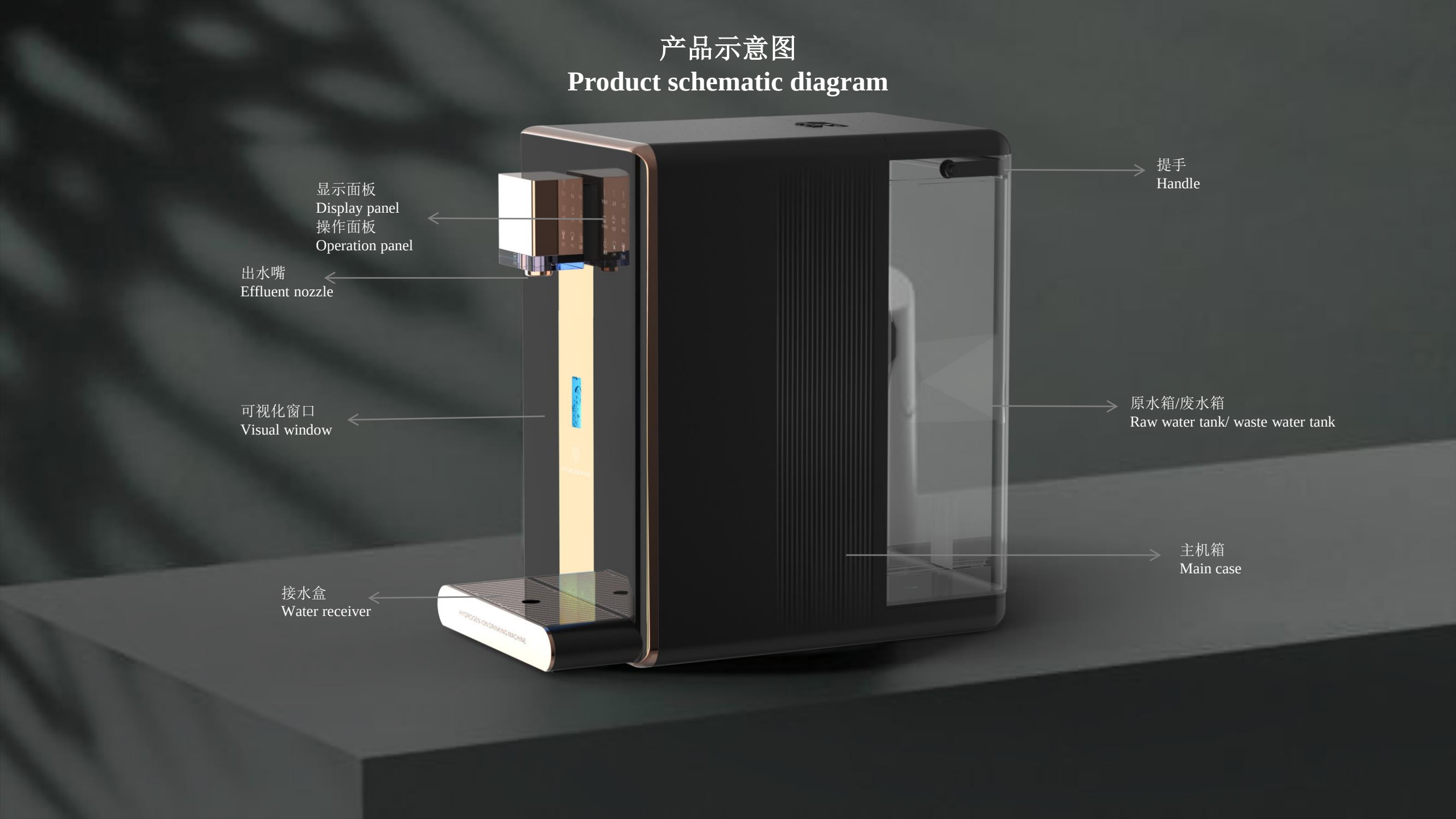
With water tank to add water, the machine needn’t be installed , suitable for office, home and other scenarios

固定场景，可接管免加水倒水
Fixed scene, pipes can be connected without water filling and drainage

本产品后置水箱采用模块化设计， 可提前或售后取消水箱模块， 直接连接进水废水管，实现完全自主加水排水

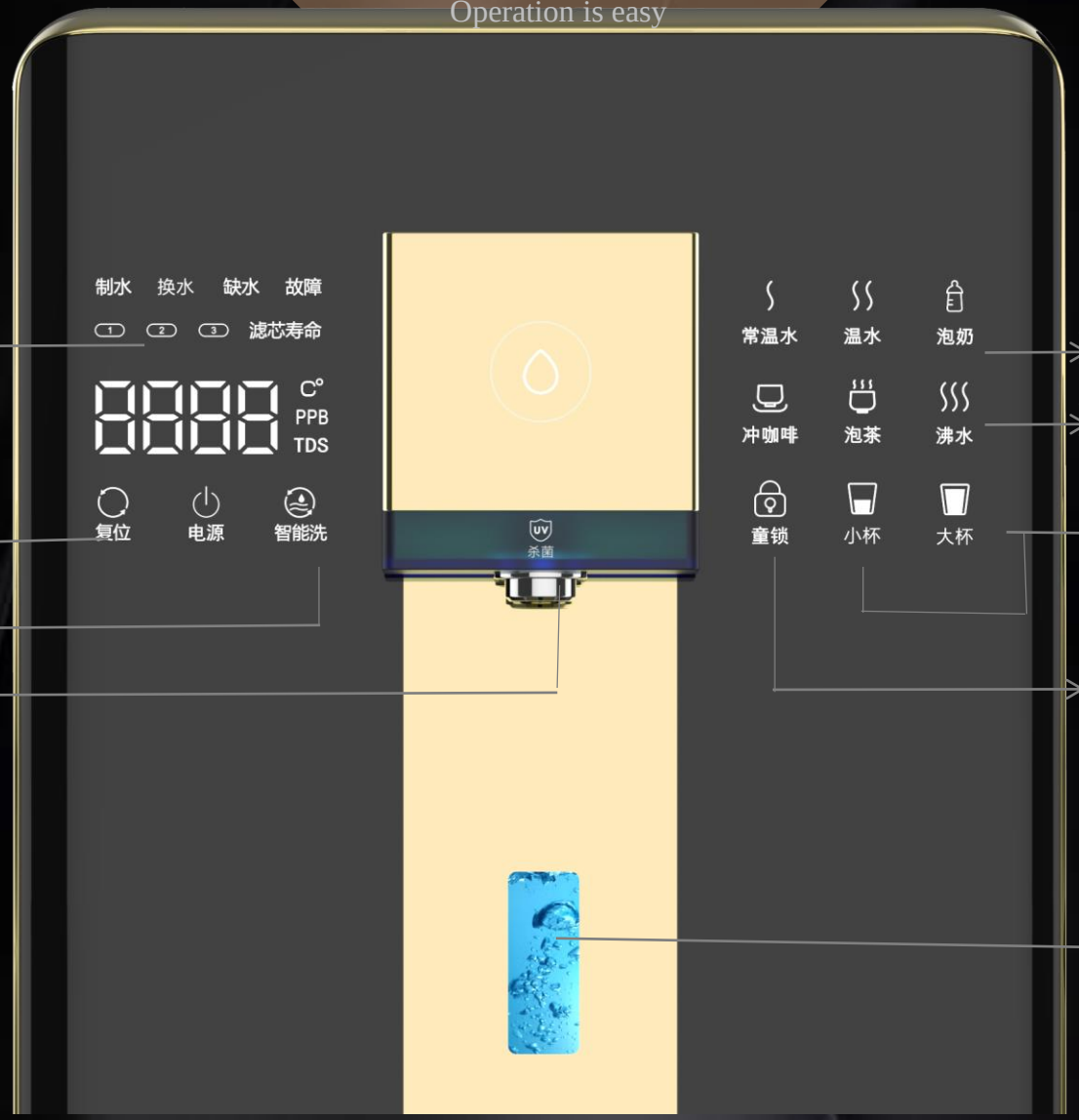
The rear-mounted water tank of this product adopts modular design. The water tank module can be cancelled in advance or after sale, and the inlet waste pipes can be directly connected to realize completely and independently water filling and drainage.

产品示意图
Product schematic diagram



触控操作面板
Touch control panel

高清显示，简易交互设计
High-definition display, simple interactive design
轻松上手
Operation is easy



状态显示区
Status display area

“滤芯复位”按键
“Filter Reset” button

“智能洗”按键
“Intelligent Washing” button

UVC杀菌，可视化指示
UVC sterilization, visual indication

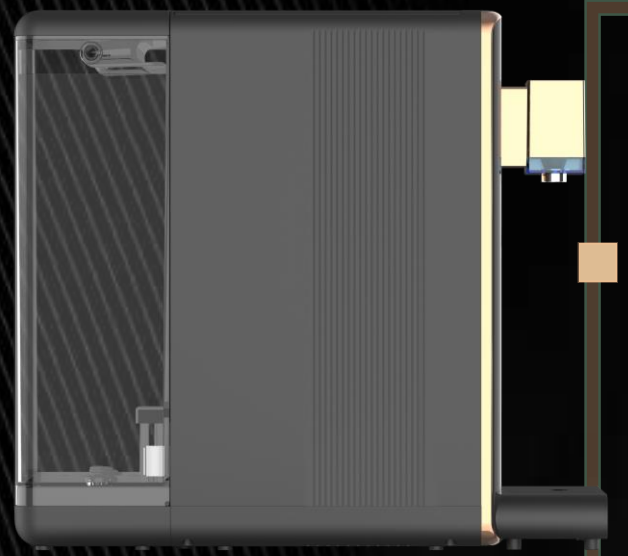
“常温水”“温水”“泡奶”按键
“Normal”, “Warm”, “Milk” button

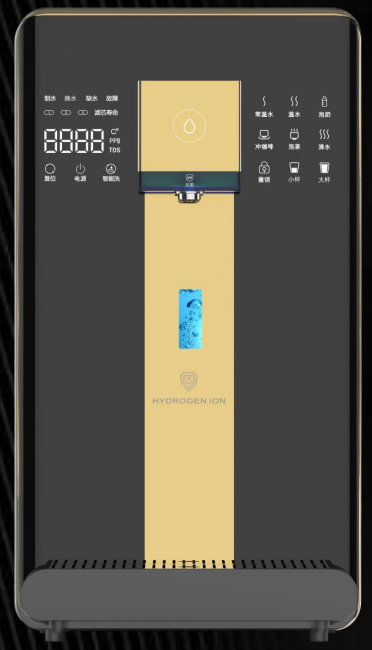
“冲咖啡”“泡茶”“沸水”按键
“Coffee”, “Tea”, “Boiling” button

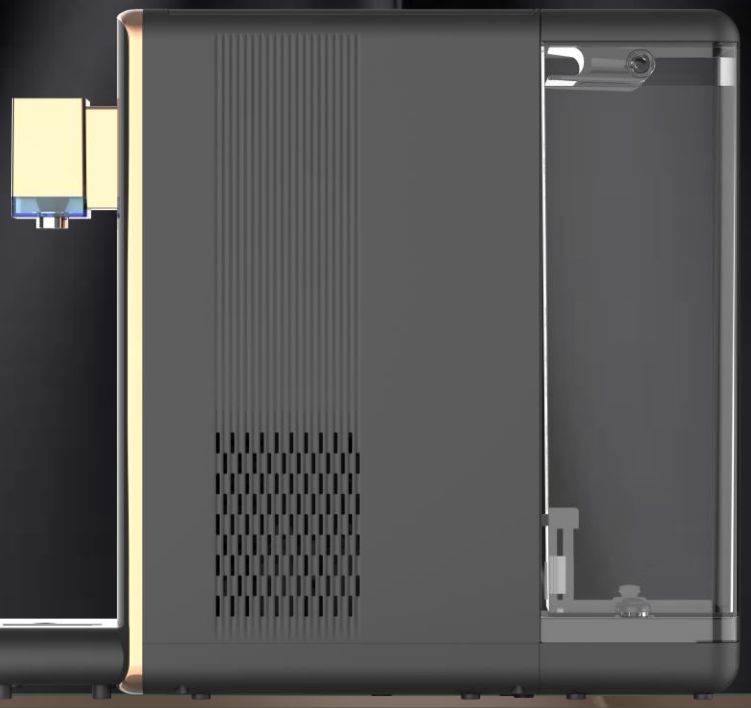
大小杯定量出水按键
Quantitative supplying

“童锁”按键
“Child Lock” key

高浓度富氢技术可视化窗口
Visual window of technology of super-concentration hydrogen-rich water







产品视图
Product View

产品参数
Product parameters

产品名称 Product Name	**反渗透净饮机 Reverse Osmosis Purification and Dispensing Machine**	**产品型号 Product model**	**W19 PRO**
额定净水量 Rated water yield	2000L	第一级滤芯 First-grade filter element	PAC复合滤芯 PAC composite filter element
制水流量 Water discharge	30L/h	第二级滤芯 Secondary-grade filter element	200G反渗透膜滤芯 200G reverse osmosis membrane filter element
额度电压/频率 Rated voltage/ frequency	220V~/50Hz	第三级滤芯 Third-grade filter element	天然微量矿化碳棒滤芯 Natural trace mineralized carbon rod filter element
耗电量 Power consumption	0.1kw·h/24h	额定功率 Rated power	2200W
原水箱容量 Raw water tank capacity	6L	制热水能力 Boiling water production	18L/H(≥90℃）
废水箱容量 Waste water tank capacity	2.5L	工作压力 Working pressure	0.4~0.6MPa
适用水温 Applicable temperature	4-38℃	外壳材料 Shell material	ABS
适用电源 Applicable power supply	市政自来水 Municipal tap water	产品尺寸 Product Size	475x240x430mm
产品净重 Net weight	10.7kg		

重点升级汇总
Summary of key upgrades

- SuperMix气液混合技术
- SuperMix gas-liquid mixing technology
- 物理溶氢纳米气泡超浓富氢水技术
- Technology of super-concentration hydrogen-rich water by physically dissolved hydrogen nano-bubbles
- 第三代稀土3秒速热技术，多段水温
- The third generation of 3-second instant heating with rare earth technology, water temperature changed in different stages.
- 升级大供水量， 6L大水箱/200G大通量RO膜/2L大纯水箱
- Large water supply is upgraded, 6L large water tank/ 200G high flux RO membrane/ 2L large pure water tank
- 增加UVC 杀菌灯， 内置水箱可拆洗， 水路增加抗菌材料
- UVC lamp is added, built-in water tank can be removed and washed, add antibacterial materials in the watercourse
- 增加净废分离式水箱
- Purified and waste separation tank is increased
- 优化废水冲洗方式， 废水不回流原水箱
- The washing mode of waste water is optimized so that the waste water will not return to the original water tank
- 整体水路板滤芯结构
- Integral watercourse plate filter element structure
- 大小杯定量出水
- Quantitative supply
- 滤芯更换提醒，享智慧生活
- Filter element replacement reminder to enjoy an intelligent life

healthy water

健康好水
healthy water
从选择开始
Start with selection

净水专家 让生活更健康
Water purification experts make life healthier

反渗透净饮机W19 PRO
Reverse Osmosis Water Purification and Dispensing Machine W19 PRO