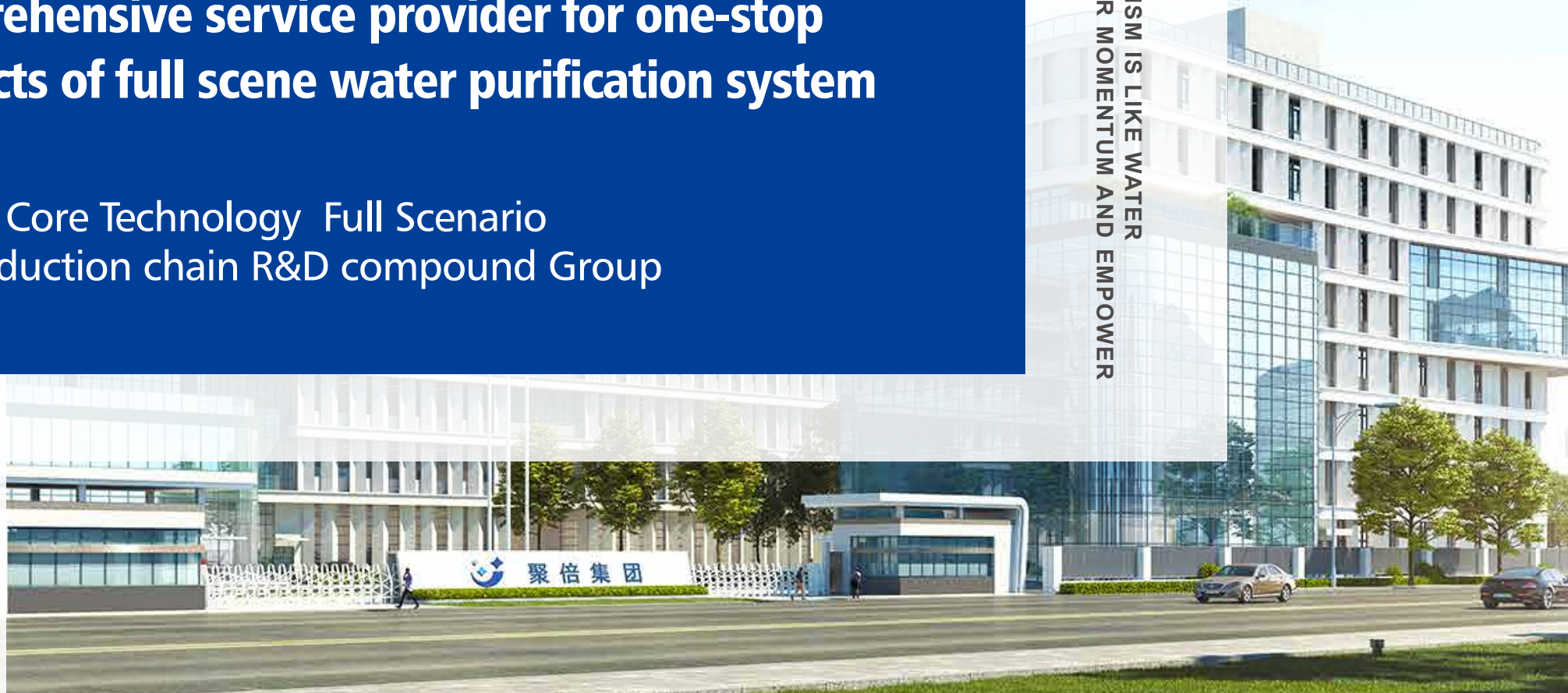
聚倍科技集团
JUBEI TECHNOLOGY GROUP

Comprehensive service provider for one-stop products of full scene water purification system

Control Core Technology Full Scenario
Full production chain R&D compound Group

ALTRUISM IS LIKE WATER
GATHER MOMENTUM AND EMPOWER



/// Company profile

Jubei Group is the world's leading comprehensive service provider of full scenario water purification system station type products, focusing on the development of cutting-edge technology, material research, intelligent research, industrial design, terminal equipment research and development, creating an intelligent manufacturing platform and supply chain ecosystem for the whole industrial chain production, and empowering its Beishi, Beirui, Beihuang Jincheng and other enterprises and institutions and more than ten subsidiaries jointly provide product and valued services for global first-line brands.

Leader unit for drafting 7 industry group standards of National Health Industry Enterprise Management Association

- ★ Household and similar pre filters without disassembly and cleaning (group standard drafting team leader)
- ★ Purified shower for household and similar purposes (vice group leader in drafting group standards)
- ★ Ultrasonic water leakage protector for household and similar purposes (group standard drafting team leader)
- ★ Household and similar water scale inhibition filters (group standard drafting team
- ★ Intelligent Internet of Things prefilter for household and similar purposes (group standard drafting team leader)
- ★ Prefilter（group standard drafting team leader）
- ★ Deputy leader unit of the group standard of （effluent quality standard of water quality processor）

600 +
National patented technology

500 +
The common choice of first-line brands

1500 Million
Units annual manufacturing capacity

7 Industry
Group standards drafting team leader units

8 years of continuous doubling growth

Pre-filter

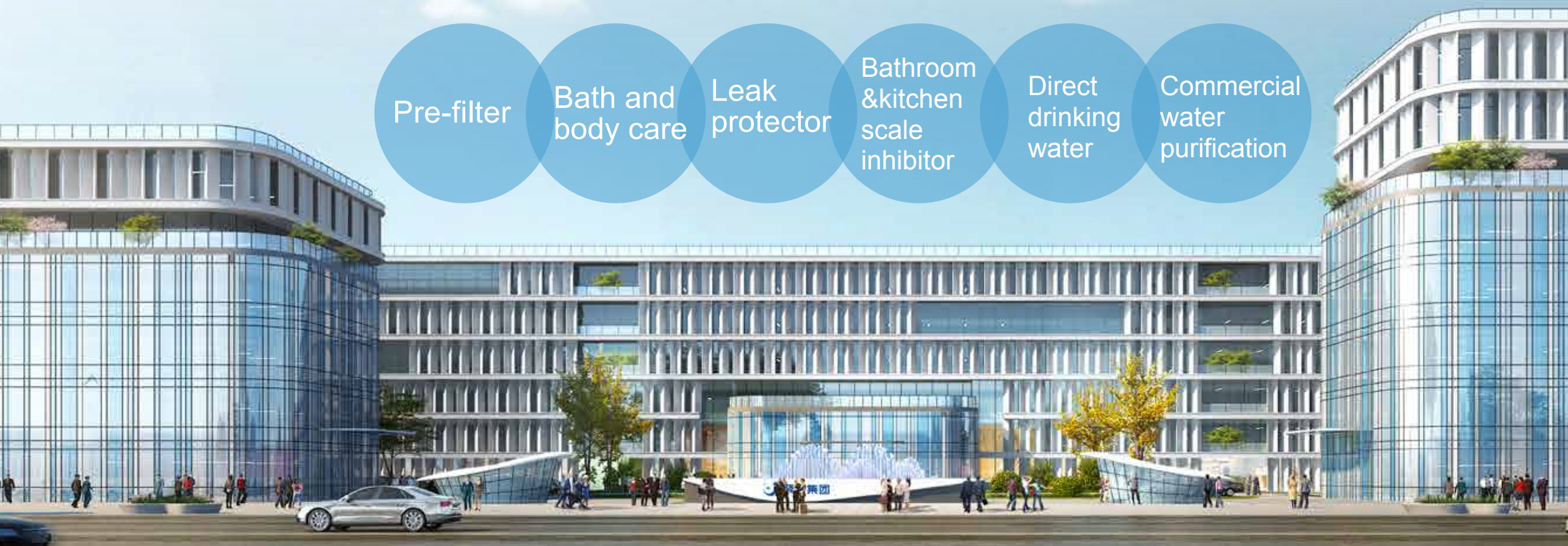
Bath and body care

Leak protector

Bathroom &kitchen scale inhibitor

Direct drinking water

Commercial water purification

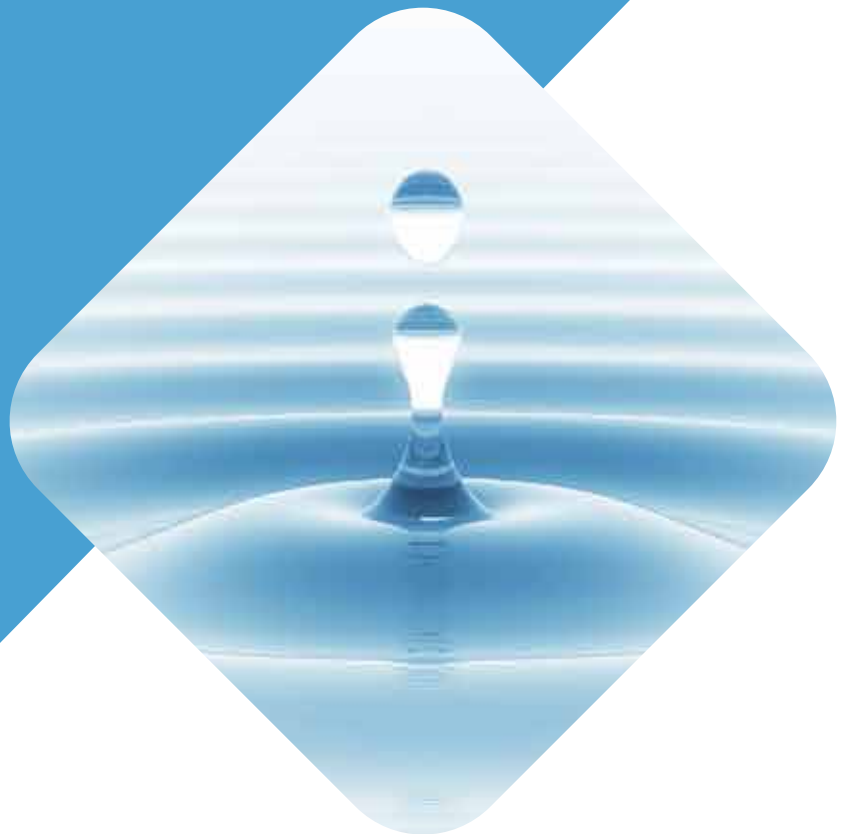


Water Heater Scale Inhibitor




Water Heater Scale
Inhibitor series
BRISK
BRISK
BRISK

Catalogue



1 Water Scale Inhibition Materials

2 Introduction of M20 Product

3 Introduction of M1-A Product

4 Introduction of M1-B2 Product

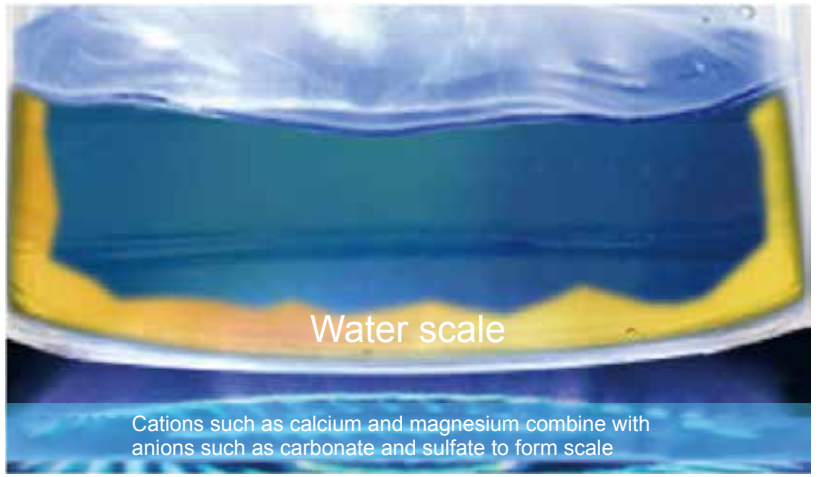
Principle

Water Scale Formation

After the container boils water for many times, the water contains calcium sulfate (CaSO4) that is slightly soluble in water and precipitates due to the evaporation of water, and the previously dissolved calcium bicarbonate (Ca(HCO3)2) and magnesium bicarbonate (Mg(HCO3)2) , decompose in boiling water, release carbon dioxide (CO2), generate insoluble calcium carbonate (CaCO3) and magnesium hydroxide (Mg(OH)2) also precipitate, and sometimes generate MgCO3. This forms water scale.

THE PRINCIPLE OF WATER SCALE FORMATION





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THE WATER SCALE HAZARD



Corrosion of pipe walls（The metal wall）

Scale adheres to the metal pipe wall, corrodes under the water scale, and shortens the service life of the equipment.



Increase energy consumption

One millimeter of the water scale results in 20% heat loss.



Clogged pipes caused by water scale

Affect the normal operation of the equipment.



The growth of bacteria

The surface of the water scale is uneven, which is easy to breed various bacteria and affect health.



Be harmful to the health

When the water scale enters the human body, it will damage the stomach and intestines, affecting health.



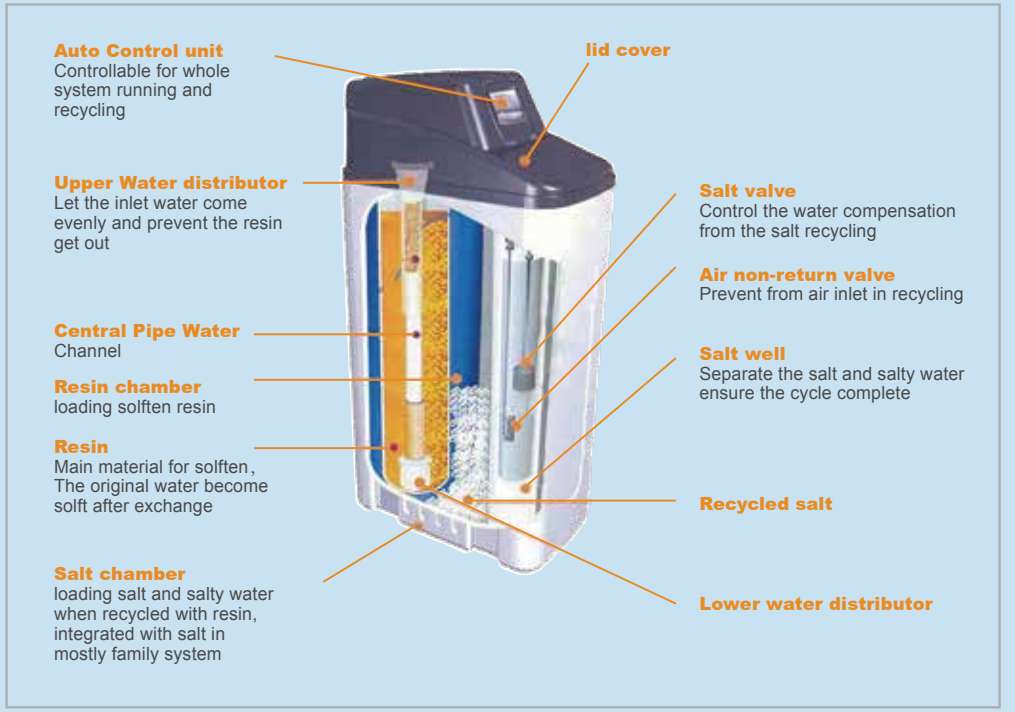
Be harmful to the health

When the water scale enters the human body, it will damage the stomach and intestines, affecting health.

The water scale is a lingering problem in people's daily life, and products that are closely related to people, such as kettles, water heaters, water pipes, faucets, showers, and water heaters, are all threatened by scale;

The industrial ex-factory value of civil water purification products has exceeded 30 billion yuan, but the scale-inhibiting products applicable to whole-house and household heating devices other than drinking water are almost zero.

COMMON DESCALING TECHNOLOGIES ON THE MARKET



Disadvantages: Large volume and relatively high cost of use



Phosphorus silicon wafers
anti-scaling technology

Disadvantages: Unable to control dissolution rate, concentration, usage, and high temperature water

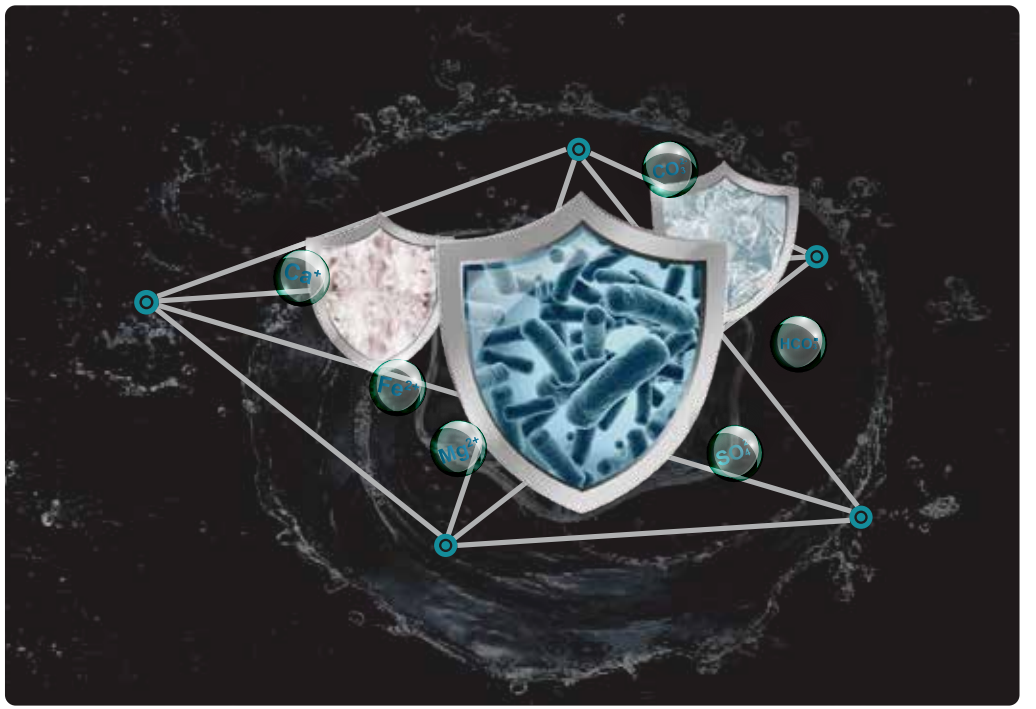
The market expects high-flow, high-efficiency, miniature salt-free scale inhibition technology and application products with slow-release function.



SLOW RELEASE SCALE INHIBITION TECHNOLOGY OF BIOACTIVE MOLECULES

MSAP, say goodbye to the age of scale!

MSAP is made of bioactive materials modified by special process. It is slowly dissolved and released in water to produce a large number of weak electron groups. It can interact between with cations such as copper ion, iron ion, calcium ion and magnesium ion and anions such as carbonate ion, bicarbonate ion and sulfate ion to produce weak electric interference effect, which can quickly inactivate the scaling factors in water, Only a very small amount of MSAP can fundamentally eliminate the generation of scale.



MSAP SCALE INHIBITOR FILTER MATERIAL

TECHNICAL CHARACTERISTICS OF MSAP SCALE INHIBITOR

BIOACTIVE MATERIALS	STABILITY	SUPER SCALE INHIBITION	MULTIPLE FORMS	EFFICIENT SLOW RELEASE TECH
Safe, non-toxic and harmless	No fear of high temperature and high PH	Laboratory scale inhibition rate of 99%	Unique flake	High-speed release, slow-release and long-lasting
Food grade safe and worry-free Phosphorus-free, environmentally friendly.	No effect on scale inhibition efficiency at high pH and high temperatures.	The scale inhibition rate can reach more than 99% under the experimental condition of national standard hard water, and each gram can filter 2 tons of water.	The unique compression form can be widely used in various internal and external devices.	0.23PPM in 0.3 seconds with water lasting for 48 hours slow release to saturation concentration.

Scale inhibitor M20
Water Heater Scale Inhibitor Mate




HIGHER EFFICIENCY
AND LONGER LIFE
M1
BRISK
BRISK

HIGHER EFFICIENCY AND LONGER LIFE

M1-B



HIGHER EFFICIENCY AND LONGER LIFE

M20



PRODUCT STRUCTURE



Runner Design

Patent

Spiral Inlet

The water inlet method adopts the spiral inlet to flush the filter screen to prevent the filter screen from being blocked.

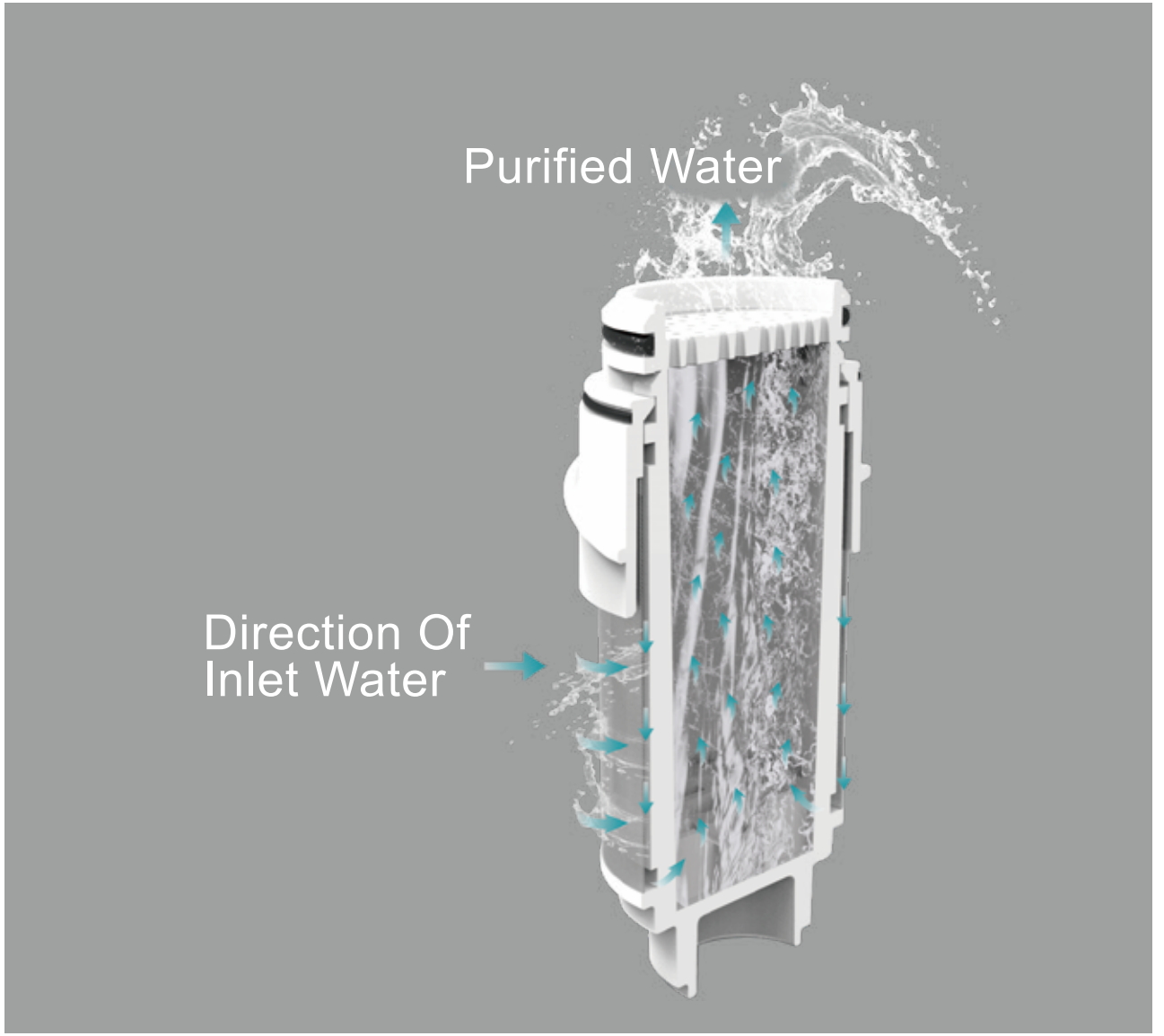


Runner Design

Patent

Folded Runner Design Water From The Bottom

The incoming water is folded through the runner, and enters the filter element from the bottom uniformly, and the purified water filtered by the filter element exits from the top.

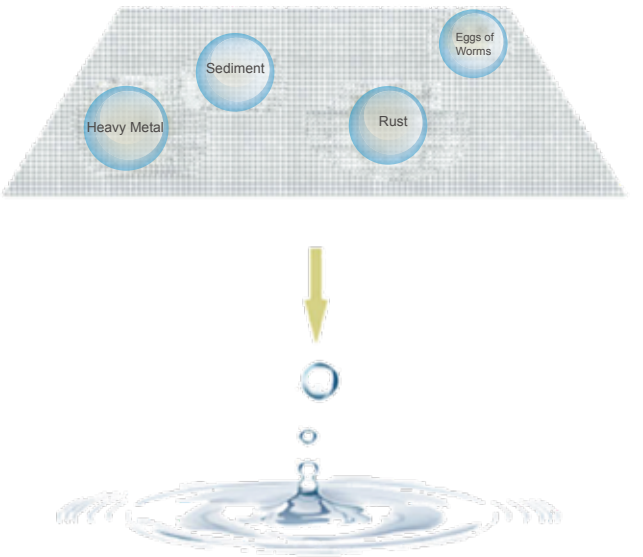


Filter Screen Material



S316l Stainless Steel Screen

The filter is made of S316L medical grade stainless steel, which is resistant to acid and alkali, corrosion and rust. The precision 40 micron stainless steel filter can effectively intercept impurities such as rust, sediment and red worms in the water.



The Bottle Material

Food-grade Filter Bottle Material Which Is Safe And Durable.

The bottle cap is made of food-grade PP modified material.

The bottle body is made of BSK-G material, which is durable and anti-freeze.



Filter Element Service Life

Low loss, longer service life which is up to half a year to one year, and scale inhibition and purification capacity of more than 30 tons.



Easy To Replace

Easy installation, easy to dismantle and replace the filter element.



Large Flow

- 16L/min super water flow;
- Meet the water consumption of domestic water heater and gas wall heater.



Quality of product
Anti-freeze



Product feature:

★ food-grade MSAP bioactive molecular scale inhibition technology, high-efficiency scale inhibition, protect the water heater from scaling, improve thermal efficiency, and extend the life of the water heater;
★ 4 points inner and outer wire connector and 16 liters of super-large water per minute to meet the water consumption of domestic water heaters and fireplaces;
★ 40micron fine filter mesh, using SS316L stainless steel, filtering suspended solids, particulate matter and other impurities;
★ The filter element is more durable, the net scale water can reach 30 tons, and the replacement is convenient;
★ The bottle body is made of modified maternal, and the bottle cap is made of healthy and environment-friendly copper, which is strong and explosion-proof.

Model	Filtration Precision	Flow Rate	Total Cartridge Treated Water Capacity	Ambient Temperature	Rated working water pressure
M1-A	40-50 μm	16L /min	30000L	1℃ ~ 50℃	0.15 -0.75MPa
M1-B	40-50 μm	16L /min	30000L	1℃ ~ 50℃	0.15 -0.75MPa
M20	40-50 μm	16L /min	30000L	1℃ ~ 50℃	0.15 -0.75MPa

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利他如水 聚势赋能

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