

# Ultrafiltration equipment

Low energy consumption No pollution Simple separation device

// The user can customize according to the actual working conditions //

- Pre-treatment of reverse osmosis systems
- Deep treatment of drinking water
- Deep treatment of drinking water
- Industrial water treatment
- Domestic wastewater reuse

24 Hours Online

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## Product Description

Ultra-filtration (UF) is a membrane separation technology that purifies and separates solutions. An ultrafiltration membrane system is a solution separation device that uses ultrafiltration membrane filaments as the filtration medium and the pressure difference between the two sides of the membrane as the driving force. The UF membrane allows only the solvent (e.g. water molecules), inorganic salts and small organic molecules in the solution to pass through, while large molecules such as suspended matter, colloids, proteins and microorganisms in the solution are retained, thus achieving purification or separation.

INQUIRY



Applications	To be used in the fields of reverse osmosis pre-treatment, drinking water treatment, water reuse, etc.
Filtration media	Suspended matter, colloids, proteins and microorganisms in solution and other hairy molecules.

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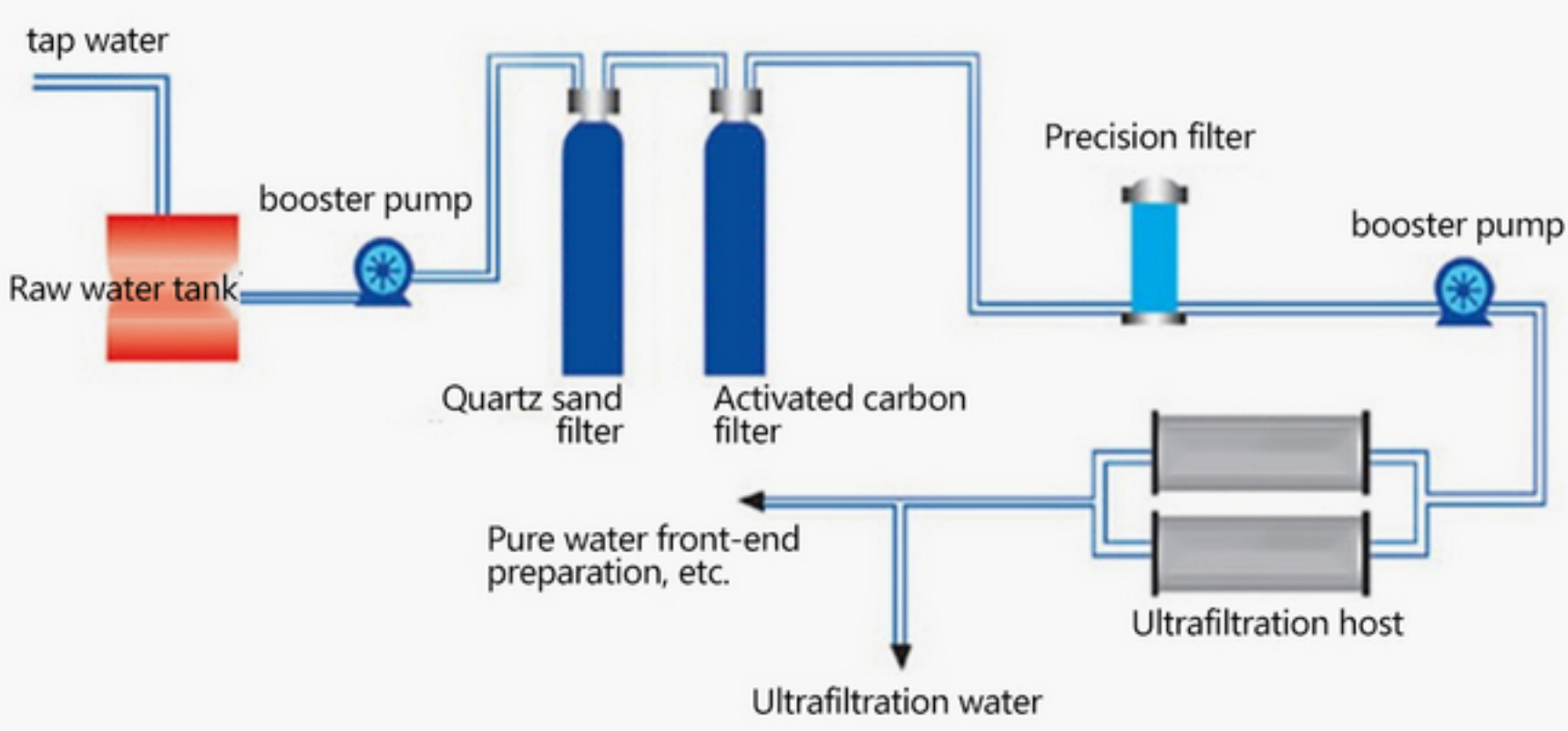


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## Working Principle

Ultrafiltration is a membrane separation process based on the principle of sieving and driven by pressure, with a filtration precision in the range of 0.005-0.01 μm. It can effectively remove particles, colloids, bacteria, heat sources and high molecular organic substances from water. It can be widely used for the separation, concentration and purification of substances. The ultrafiltration process has no phase transformation and operates at room temperature. It is particularly suitable for the separation of heat-sensitive substances and has good resistance to temperature, acid and alkali and oxidation.



## Product Advantages

Stable

Personalised design.  
Low energy consumption, short production cycle, low running costs compared to traditional process equipment, effectively reducing production costs and improving economic efficiency.



On-site online centralised monitoring of important process operating parameters to avoid manual misoperation and save manpower costs.



High separation efficiency of ultrafiltration technology, very effective for the recovery of trace components in dilute solutions and for the concentration of low concentration solutions.



Individual design to suit local water quality, all-round satisfaction, small footprint of the plant and small space required.

CATALOG

VIDEO

## Product details

Pictures

Installation site



## Customer Cases



Makara farming plant case site

Product: Ultra-filtration equipment

Industry: Farm



Zhejiang sewage treatment plant case site

Product: Ultra-filtration equipment

Industry: Sewage plant



Yancheng a steel plant ultrafiltration equipment case

Product: Ultra-filtration equipment

Industry: Steel plant

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