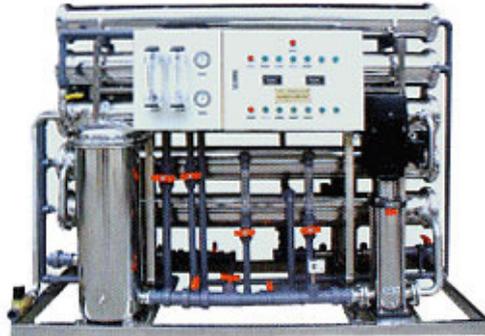


## Filtration System for Drinking Water



This equipment produces international-standard drinking water for daily living purpose.

Due to differences of water quality in water source, water disposal technique will be chosen and matched according to water source.

Bitter and salty water, high-hard water, polluted water should be cleaned by pharmaceutical adding, aeration, sedimentation, sand carbon filtration, intenerate, intensive filtration, first level RO (Reverse Osmosis) and disinfection.

Techniques of pharmaceutical adding, sedimentation, sand carbon filtration and disinfection should be applied for reservoir water, river water and well water with better quality.

Characteristics: Applicable for life drinking water production in village, county and enterprise.

**Production flow: 0.5 m<sup>3</sup>/h ~500m<sup>3</sup>/h**

## Purification System for Drinking Water



A major indicator of pure drinking water is that the **electric conductivity** is under 10 $\mu$ s/cm.

Raw water with electric conductivity higher than 260 $\mu$ s/cm should be cleaned by second level RO purified water equipment while lower than 260 $\mu$ s/cm cleaned by first level RO purified water equipment.

### **Characters:**

Applicable to water supply in water purification factory, enterprise canteen and daily use;  
Applicable to direct drinking water in villa, manor and high grade apartment

Applicable to direct drinking water in living community, hotel and restaurant

**Production flow: : 0.25 m<sup>3</sup>/h~120 m<sup>3</sup>/h**

### Potable Water Equipment in Rural Areas

Most rural potable water and centralized water supply in villages and towns is surface water, water from small-size reservoir in mountainous areas and well water. Heavy metal ions in water like calcium, magnesium, iron, manganese and fluorine exceed standards. Harmful substances like arsenide, oxide, nitrite and organic pollutant (pesticide, disinfectant and synthetic detergent) are contained in it.

80% of human diseases have relations with drinking water. The worst threat to us is accumulation of harmful substances in water in our body. Many villagers suffer from renal calculus, calculus of urethra, dental fluorosis, fluorosis, etc. after long-term drinking. Therefore, rural potable water reconstruction engineering will be most urgent problem to be solved.

Our company has specially designed an integration water purification device for rural potable water engineering according to potable water source quality and its lockage. The water purification device is featured by little land occupation, reliable operation, easy operation, low maintenance cost, long service life and stable purified water quality, quality of treated water satisfying the international potable water standards. Nowadays, it has been broadly used in rural potable water reconstruction.

Integration water purification device is applicable for living potable water in villages and towns, running water in rural areas and new development zones and residential quarters in villages and towns as well as self-prepare running water in enterprises and hotels, etc.

Our R&D Engineers will work out professional protocol and reasonable reference standard construction plan according to the water quality report provided by users.

**Product specification : 5m<sup>3</sup>/h · 10m<sup>3</sup>/h · 15m<sup>3</sup>/h · 20m<sup>3</sup>/h · 30m<sup>3</sup>/h · 40m<sup>3</sup>/h · 50m<sup>3</sup>/h · 80m<sup>3</sup>/h · 120m<sup>3</sup>/h · 250m<sup>3</sup>/h**

### River Water Purifying Equipment

The river water purifiers developed by our company are applicable for purification treatment of surface water with turbidity not more than 3000mg/L, such as river water and lake water, and even waste water with slight pollution. Water after purification can serve as domestic water and production water supply, replacing the running water and ground water.

#### I. Characteristics of water purifier

- (1) Traditional water purification techniques like coagulation, sedimentation and filtration are combined within the one equipment, characterized in little land occupation and convenient installation.
- (2) Automatic operation: except for the managements on water pump and pharmaceutical adding system, the equipment runs automatically from water feeding, coagulation, sedimentation, filtration, water discharging, backflushing and pollution discharge, no need for manual operation.
- (3) Strong adaptability, stable and reliable purified water quality and sufficient water amount. Raw water with turbidity up to 3000mg/L can be purified to reach turbidity of below 3mg/L, conforming to the turbidity standard of running water.
- (4) Low water processing cost: only US\$ 0.015 is needed to purify 1m<sup>3</sup> water (take 100T/H for example), over US\$ 0.16 lower than the cost for running water and deep well water.

#### II. Technological process:

Raw water → booster pump/ Pharmaceutical adding → water purifier → clean water pool

#### III. Model and main parameters for HTJ full automatic water purifier

Model & specification	Water treatment capacity	Turbidity of feeding water	Turbidity of purified water	Equipment dimensions	Operating pressure
FC30-100	10	3000	3	2100×1800×4250	<0.1
FC30-200	20	3000	3	2400×2600×4250	<0.1
FC30-300	30	3000	3	3000×3100×4250	<0.1
FC30-400	40	3000	3	4400×3350×4250	<0.1
FC30-500	50	3000	3	4800×3350×4250	<0.1
FC30-600	60	3000	3	5200×3850×4250	<0.1
FC30-700	70	3000	3	5600×4050×4250	<0.1
FC30-800	80	3000	3	6000×4350×4250	<0.1