

Thermal disinfection device

Product features

- > High-temperature pure water as disinfection medium
- > No residual phytotoxicity.
- > Avoid the residue of chemical reagents in conventional chemical disinfection and oxidation of ozone disinfection.
- > Constant temperature control avoids affecting the disinfection effect due to changes in the disinfection media concentration.

Advantages

- > Independent thermal disinfection system, can be linked to a hemodialysis water equipment for automatic timed thermal disinfection.
- > Resistance heating system (Optional)
- > The thermostatic control system inhibits the growth of bacteria and endotoxins.
- > Perform real-time data monitoring, and online display of operating status.
- > The thermal disinfection is provided with circulating supply and temperature monitoring. Automatically adjust the temperature.
- > Automatic and slow temperature reduction to ensure the safety when disinfection finishes
- > Overflow heating process: The pure water in the tubing set is continuously heated during the cycle.
- > Heating power: The cold water at 20°C is heated to hot water at 85°C within 1.5 hours.
- > Control protection function:
 - Automatic control: PLC programmable controller
 - Liquid level protection
 - Temperature control protection
 - Disinfection tip: Audible and visual warning is triggered during heating operation
 - Reserved interface
 - Prevention of dry burning
 - With flow switch control



Scope of application

- > Hemodialysis centers in hospitals
- > Independent hemodialysis centers

Specification

Model	Water yield (L/H)	Size mm (length*width*height)	Total running load (KG)	Power (KVA)
TCH-X120	2000	700*500*1600	200	17
TCH-X20	3000	700*500*1600	200	20

Central Concentrate Supply System

Technical performance and parameters

> The intelligent control program implements automatic control and maintenance of the device

- Dispensing conductivity display, precise concentration control
- The number of persons per dispensing can be set automatically
- Automatic cleaning function effectively prolongs the life of the liquid supply device, reduces the growth of bacteria, improves the stability of the system
- The intelligent control program realizes the setting of the dispensing time of the dispensing device, which is convenient for clinical dispensing.
- real-time monitoring and early warning for liquid storage volume in liquid tank, promptly prompts the dispensing demand.
- Remote online monitoring (optional function)

> Advanced technology ensures safe liquid supply.

- Two-level password protection function improves the security of supply, prevents accidental operation.
- The multi-layer filter device effectively removes harmful substances, avoids secondary pollution of the dialysate.
- Double liquid supply tubing set design ensures sufficient supply and pressure stabilization of the dialysate.
- Automatic chemical disinfection function effectively inhibits bacterial growth.
- Emergency stop device allows a stop when an unexpected situation occurs.
- Liquid level protection function prevents the pump from pumping out.

Scope of application

- > Hemodialysis centers in hospitals
- > Independent hemodialysis centers

Specification

Model	Number of persons per dispensing	Size of single agitator (mm)	Size of single liquid storage tank (mm)	Total running load of a single set of equipment	Power (KW) (380V/50Hz)
TCH-Y250H	35 servings	700*800*2000	Φ800*H2200	1000kg	6
TCH-Y250R	35 servings	700*800*2000	Φ800*H2200	1000kg	26



**WATER TREATMENT EQUIPMENT
FOR HEMODIALYSIS APPLICATION**

WEGO, DEVOTED TO BRINGING WARMTH TO LIFE

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THE BLOOD PURIFICATION EXPERT

Technical Parameters

- > Endotoxin < 0.05EU, bacterial removal rate ≥ 99%, and dissolved salt removal rate ≥ 99%
- > System emptying rate ≥ 99%, with no dead space; raw water quality: urban drinking water; system water recovery rate ≥ 65%
- > Power supply: AC 380V±7%, three-phase five-wire system
- > Water-supply source: urban tap water, with a water temperature of 5~35°C
- > Disinfection method: chemical disinfection with peracetic acid; water supply pressure: 0.15~0.45Mpa; the water supply flow is greater than twice the prepared water flow.
- > Operating environment: ambient temperature is 5~35°C, humidity is ≤ 85%RH, with no strong acid or weak base.
- > Raw water hardness: ≤ 200mg/L (calculated as CaCO₃), influent TDS: ≤ 500ppm
- > There is a floor drain (the floor has a slope of 2%, and the drain and floor drain should be at the lowest point of the floor). The bearing capacity of the floor should be ensured to meet the requirements of device installation without direct sunlight.
- > This product should avoid running in environments with strong magnetic or magnetic interference.

Closed Type Double-Stage Water Treatment Equipment for Hemodialysis Application

Product features

- > Modular, closed, digital, beautiful, energy conservation and emission reduction, and low noise
- > Enclosed cabinet achieves noise reduction
- > Main control cabinet adopts industrial personal computer or large-scale human-computer interface.
- > Based on digital technology, energy consumption regulation and water regulation are achieved, thermal disinfection for entire system.
- > Bacteriostatic function: Automatic timed cycle cleaning and flushing effectively inhibit the breeding of bacteria.
- > Intelligent water balance technology responds to various working conditions.
- > Raw water pump frequency conversion: equipment runs stably and saves energy.
- > One-button water preparation function
- > Constant pressure device in circulating system ensures stable water pressure.
- > Online total chlorine detection (optional)
- > Provide a remote monitoring platform (optional)

Specification

Closed Type Double-stage RO Water Equipment for Hemodialysis						
Model	Water yield (L/H)	Mode	Size mm (length*width*height)	Applicable number of beds (bed)	Total running load (KG)	Power (kVA)
TCH-ROII/2	1200	Direct	3800*900*1900	30	2200	25
TCH-ROII/3	2000	Direct	4000*1100*1900	50	3100	30



Double-Stage Water Treatment Equipment for Hemodialysis Application

Product features

- > Full-color touch screen operation, with the automatic timed startup and shutdown function.
- > Online monitoring for water flow, pressure, quality and salt rejection rate, with fault alarm function.
- > Various safety self-locking devices: sewage protection, pressure and power protection.
- > The concentrated water is recycled to achieve efficient utilization rate.
- > Double-stage reverse osmosis system, with first- and second-level direct coupling, ensures the normal water preparation of the equipment, improves the safety of clinical equipment operation.
- > Automatic chemical disinfection function with real time monitoring, verifies the disinfection operation to ensure safety.
- > Auto flushing function to remove impurities such as inorganic salts and bacteria on RO membrane to improve the life span.
- > Dead-space-free design in circulation, double-sided argon welding technology ensures the smooth inner wall and effectively prevents bacterial growth.
- > Multiple water supply modes selection function (optional function)
- > Provide a remote monitoring platform (optional)
- > One-button water preparation function
- > Constant pressure device in circulating system ensures stable water pressure.

Specification

Double-Stage RO Water Equipment For Hemodialysis					
Model	Water yield (L/H)	Size mm (length*width*height)	Applicable number of beds (bed)	Total running load (KG)	Power (kVA)
TCH-ROII/1	300	1060*800*1700	5	1400	5
	600	1230*800*1700	10	1700	5.5
	900	1230*800*1700	15~18	2300	8
TCH-ROII/2	1200	1390*1000*1700	20~30	2800	10
	1500	1390*1000*1700	30~35	2800	10
TCH-ROII/3	2000	1720*1000*1700	40~50	3900	11
	3000	2070*1000*1700	50~60	4900	13
	4000	2493*1100*1700	70~80	7000	20



Single-Stage Water Treatment Equipment for Hemodialysis Application

Product features

- > Automatic control system provides auto startup and shutdown and auto chemical disinfection.
- > Pre-processing timing automatic flushing and regeneration function.
- > Equipped with various protection functions (water shortage protection, low-voltage protection, overheating protection, power failure protection, etc.), ensures the safety and stability of the equipment.
- > Constant pressure device in circulating system ensures stable water pressure.
- > Pure water circulation supply avoids the growth of bacteria.

Scope of application

- > Dialysis centers in hospitals
- > Advanced treatment of hemodialysis water equipment



Specification

Single-Stage RO Water Equipment For Hemodialysis					
Model	Water yield (L/H)	Size mm (length*width*height)	Applicable number of beds (bed)	Total running load (KG)	Power (kVA)
TCH-RO/1	300	1400*750*1700	5	1200	3
	600	1480*780*1700	10	1500	4
	900	1100*780*1700	15~18	2000	4
TCH-RO/2	1200	1250*960*1700	20~30	2400	5
	2000	1600*960*1700	40~50	2900	6
TCH-RO/3	3000	1600*1000*1700	50~60	4000	9
	4000	1800*1000*1700	70~80	6000	10