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RO WATER PURIFICATION SYSTEM

Triple-pass :INO-ROIII
Double-pass:INO-ROII/1、INO-ROII/2、INO-ROII/3 Single-pass :INO-ROI/1、INO-ROI/2、INO-ROI/3

Triple-pass RO Tech

I

The first pass RO is continuously and repeatedly filtered by the second pass, achieving infinite purification and purification of RO

Nos of Filtration：1

II

Continuous and repetitive filtration treatment for infinite reverse osmosis purification

Nos of Filtration：1+N

III

Output of ultrapure water

Nos of Filtration：1+N+1

High Recovery Rate of Concentrated Water

- In the triple-pass RO system, first pass concentrated water recovery rate is more than 85% and the concentrated water produced by the second and third pass is 100% recycled, which enters the balancer and dilutes the raw water, reducing the concentration of the raw water, which is conducive to further improving the RO water quality and prolonging the service life of the

High Cleaning Capacity of Membrane Surface

- Each pass of the system can use related high water flow to wash the membrane surface, which will not cause waste of water resources.

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FEATURES AND ADVANTAGES

- High degree of automation: with full-automatic operating system, automatic startup, automatic protection, automatic cleaning, automatic disinfection boarding function.
- With automatic timed cycle cleaning function in standby state, effectively preventing the growth of bacteria.
- With perfect online conductivity, hardness (optional), residual chlorine (optional) water quality monitoring, water shortage, pressure, voltage and other safety monitoring protection and alarm functions.
- Automatic frequency conversion control system (optional), according to the user's actual water consumption automatically control the size of water production, more suitable for clinical applications (eg: emergency single hemodialysis operation, power and water saving).
- Intelligent control, remote online monitoring (optional), automatic recording of operating data, convenient management.
- With chemical disinfection and thermal disinfection function (optional), disinfection protection function, real-time online monitoring of the disinfection operation status, to verify whether the disinfection operation is complete. In case of water and power failure during the disinfection process, the machine will automatically continue the disinfection procedure after restarting on the incoming call to ensure the integrity of disinfection and prevent the residual disinfectant from causing therapeutic hazards.

TECHNICAL PARAMETERS

- Product standard: It conforms to the recently promulgated national hemodialysis industry standard YY0793.1-2020 Technical Requirements for Water Treatment Equipment for Hemodialysis and Related Treatments Part 1: For Multi-bed Dialysis .
- Quality of produced water: in line with national hemodialysis water standard YY0572-2015 and American AAMI/ASAIO hemodialysis water standard.
- Safety performance: GB 4793.1-2007 "Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use Part I: General Requirements" ; GB/T14710-2009 "Environmental Requirements and Test Methods for Medical Electrical Appliances" .
  Electromagnetic compatibility: The whole machine meets the requirements of electromagnetic compatibility, which ensures the normal use of the equipment and does not interfere with other equipment in the hospital.

EQUIPMENT STRUCTURE AND COMPOSITION

- Adopt international first-class reverse osmosis membrane, high-pressure pump, controller and other components.
  The whole system has no dead space, no dead angle design and no dead space membrane shell.
- The mainframe pipe fittings and valves are sanitary 304/316L stainless steel.
- Unique tandem reverse osmosis membrane connection, providing a variety of combinations of water production mode.
- No dead space membrane group, no tank design closed loop, to prevent secondary pollution.
- Ward pipeline large circulation without dead space constant pressure water supply.