

RIVAMED

Save Water, Save Life

HSS

HSS-XL



RIVAMED HSS Series is an online thermal disinfection system designed for effective disinfection of hemodialysis water distribution loops, hemodialysis machines, connection hoses and reverse osmosis ensuring high microbiological safety and hygienic operation. The series is optionally available with an integrated 500 liter storage tank, enabling simultaneous thermal disinfection of multiple hemodialysis machines at the same time.

Equipped with an in-line heating system, the HSS Series provides fast and energy efficient thermal disinfection. Fully compatible with RIVAMED reverse osmosis systems, the series allows simultaneous disinfection of hemodialysis machines and distribution loops, supporting continuous operation and maximizing operational safety.

Manufactured from AISI 316 stainless steel and equipped with a PLC/Microprocessor controlled touchscreen interface, along with comprehensive safety and monitoring functions, the RIVAMED HSS Series offers a reliable, hygienic, and flexible thermal disinfection solution for modern hemodialysis centers.

Compliance with ISO Standards

- ISO 23500-1:** Addresses guidance for the preparation and quality management of fluids for hemodialysis and related therapies
- ISO 23500-2:** Covers water treatment equipment for hemodialysis applications and related therapies
- ISO 23500-3:** Specifies minimum requirements for water for hemodialysis and related therapies



- Fast and energy efficient operation
- Simultaneous thermal disinfection of the distribution loop and hemodialysis machines
- PLC/Microprocessor control with touchscreen interface and safety-test
- Can be integrated into all Rivamed central water treatment systems

TECHNICAL DATA

| PARAMETER | HSS |
|--|--|
| 1. PERFORMANCE DATA | |
| Dimensions (W x D x H) | 73 x 73 x 155 cm |
| Weight | 120-150 kg |
| Heat Disinfection Extraction Rate | 150 lt/h |
| Integrated Hemodialysis Machine Disinfection | 3 pcs at the same time |
| Maximum Pressure | 6 bar |
| Hot Disinfection Temperature | 60 – 87 °C |
| Noise Level | < 70 dB (A) |
| 2. WATER CONNECTIONS | |
| Water Supply | 25 mm PEX-A connection |
| Product Water | 25 mm PEX-A connection* |
| Drain Water | Hose nozzle DN 25 |
| 3. ELECTRICAL SAFETY | |
| Mains Plug | CEE socket |
| Supply Voltage | 380-400 V AC 50/60 Hz |
| Power Consumption | Max 19 kW |
| Water Protection Rating | IP44 |
| Applied Parts Classification | Type B |
| Protection Against Electric Shock | I |
| Leakage Currents | Comply with ANSI/AAMI IEC 60601-1 |
| Operating Mode | Continuous operation |
| 4. AMBIENT CONDITIONS | |
| Shipping / Storage / Operating Conditions | +1 to +45 °C |
| Humidity | Max. 90% relative humidity, non-condensing |
| Installation Altitude | < 2000 m above sea level |

*Three different loops can be supplied.

RIVAMED

Save Water, Save Life

www.rivamed.com.tr