

UNIMED

UDIA-HD1

— Hemodialysis Equipment —



Technology Empowers Hemodialysis

Intelligent Operation

- 12.1 inch LCD+touch screen, multi-language operation interface.
- Adjust the fluid level of venous chamber to automatically prevent blood pollution and reduce dialysis risk.
- Convenient process for sequential dialysis (Dialysis \longleftrightarrow IUF), as well as high and low sodium(Na^+) sequential dialysis.



Safe & Effective Treatment

- Mandatory self-test of the hydraulic, blood and monitoring systems to ensure the safety of treatment.
- Ultrasonic and optical detectors for venous pressure monitoring to ensure the safety of reinfusion.
- Dialysate feedback control system to ensure accurate dialysate concentration.
- Advanced balance feedback control system ensures UF precision.



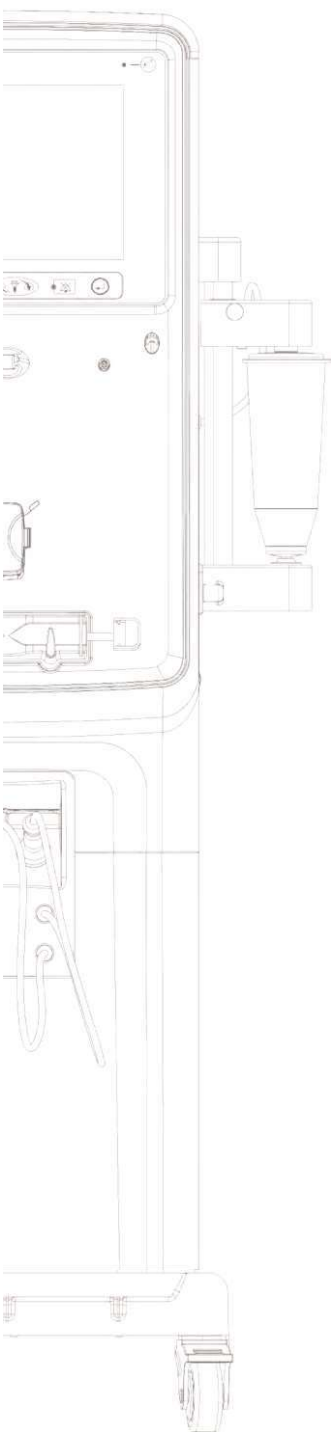
Visualized User Interface

- Preset automatic switch-off and disinfection mode, and record all disinfection activities.
- Dynamic tracking and monitoring of arterial pressure, venous pressure and transmembrane pressure to respond to abnormal situations quickly and trigger alarm timely.

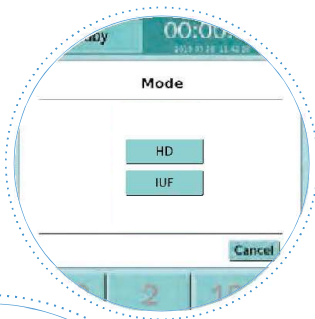


Highly Compatible

- Operatable with various filter brands.
- Compatible with various brands of dialysis powder, bloodlines and other hemodialysis consumables.



Intelligent System Safe Treatment



Treatment modes

- HD
- Sequential HD
- IUF

* RCM

- Allow checks of indicators such as urea clearance, urea concentration decrease etc. during the treatment.

* BPM

- Measure the blood pressure and heart rate of the patient, reducing workload of the medical staff.

Real-time Leak Monitoring

- Real - time leak monitoring system ensures the safety of treatment.

Back-up Power

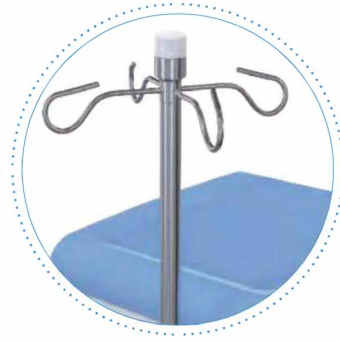
- Blood circuit runs for more than 40 minutes.

Note: The * indicates optional features



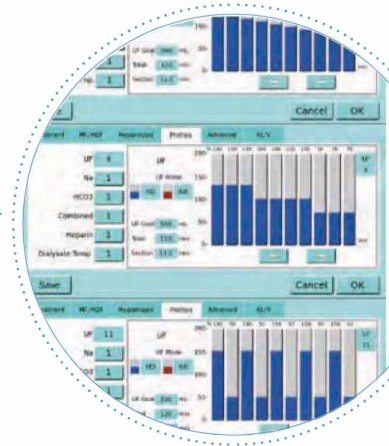
Alarm LED

- The alarm LED has three types of signals: red, yellow and green. Positioned on the top of the IV pole, it can be quite striking from distance.



Multiple Profiles, Personalized Treatment

- Sodium profile
- UF rate profile
- Bicarbonate profile
-
- Heparin flow profile
- Dialysate flow profile
- Dialysate temperature profile



* Bicart Holder

- Use Bicart online to avoid microbial contamination of B fluid.



Information System RJ45 Interface

- The information management system can be connected through the RJ45 interface to support refined management of the entire treatment process.



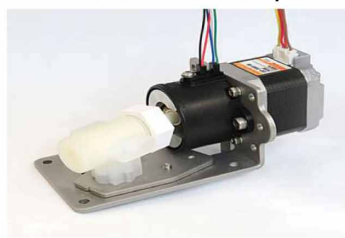
Major Components:

Balancing Chamber & Two Way Solenoid Valve



Made in Germany

Concentrate Pump



Made in Germany

Gear Flow Pump



Made in Italy

Professional Technical Services

- Professional Technical Services: Professional technical services team provides real-time response to hospital enquiries and requirements, and can provide solutions in 24 hours, ensuring a carefree user experience with reliable technical support.
- Free Regular Training: UNIMED offers periodical trainings to medical staff for free to help them familiarize with machine operations and raise sensitivity to emergency response.



Technical Data

Blood pump	
Blood Flow Rate	0, 30 to 650 ml/min; Accuracy: $\pm 10\%$ ml/min or $\pm 10\%$ of whichever is greater
Heparin pump	
Heparin Pump Flow	0 to 10 ml/h; Accuracy: ± 0.2 ml/h or 5% of whichever is greater
Heparin Pump Flow Resolution	0.1 ml/h
Syringe Size	20 ml
Dialysis Fluid and Conductivity	
Dialysate Flow	0, 300 to 800 ml/min; Accuracy: -5% to 10%
Dialysate Flow Resolution	1 ml/min
Dialysate Temperature	33°C to 40°C; Accuracy: 0.5°C
Dialysate Conductivity	12.0 to 18.0 mS/cm; Accuracy: ± 0.1 mS/cm
Ultrafiltration Control	
UF Rate	0 to 6000 ml/h
Monitoring System	
Venus Pressure	-700 to 800 mmHg; Accuracy: ± 5 mmHg
Arterial Pressure	-700 to 800 mmHg; Accuracy: ± 5 mmHg
TMP	-700 to 800 mmHg; Accuracy: ± 5 mmHg
Blood Leakage Monitor	≥ 0.35 ml/min Blood at HCT of 32%
Air Detector	≥ 0.02 ml Bubbles or ≥ 0.0003 ml continuous small bubbles
Disinfection and Cleaning	
Rinse	Water / 37°C
Hot Rinse	Water / 93°C
Decalcification	20% - 30% - 50% Citric Acid / 37°C
Thermal Disinfection	20% - 30% - 50% Citric Acid / 93°C
Chemical Disinfection	5% - 10% Sodium Hypochlorite / 37°C
Blood Pressure Monitoring	
Blood Pressure	0 to 300 mmHg; Accuracy: ± 3 mmHg
Resolution	1 mmHg
Pulse Monitoring Range	30 to 220 bpm
Pulse Monitoring Accuracy	± 3 bpm or $\pm 2\%$ of whichever is greater
Dimensions and Weight	
Dimensions	1500 x 473.5 x 700 mm
Weight	Approx. 82 kg
Water Supply	
Pressure	0.5 to 8.0 bar
Temperature	5 to 30°C
Power Supply	
Main Voltage	220 to 240V AC
Frequency	50 / 60 Hz
Back-up Battery	40 min
Running Environment	
Temperature	10°C to 40°C
Humidity	$\leq 85\%$
Atmospheric Pressure	70 kPa to 106 kPa (700 to 1060 mbar)
Protective grade	IP X 1
Heater Power	1800W

Australia Office

Unimed Pty Ltd
Sector Serviced Offices
3/2 Brandon Park Dr,
Wheelers Hill,
VIC 3150 Australia.

USA Office

Unimed Pty Limited
8969 215TH PL
Queens Village,
Queens, NY, 11427
USA.

Hong Kong Office

Unimed Pty Limited
1003, 10/F, Office Tower 2
Grand Plaza 625 and 639
Nathan Road, Kowloon
Hong Kong.

Turkey Office

Unimed Pty Limited
Merkez Mah. Seçkin Sok.
Dap Vadisi Z Ofis No:2-4
A İç Kapı No:304 Kağıthane
İstanbul, Türkiye.

Email: info@unimed-ltd.com

Web : www.unimed-ltd.com

