

HEMODIALYSIS SYSTEM

DBB-27



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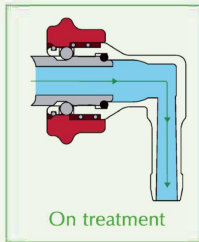
Further Purification of Dialysate

Dialysate fluid purification is important and contributes to the QOL improvement of the dialysis patients

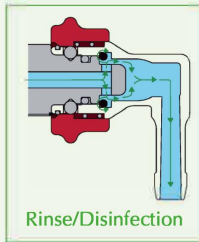
DBB-27 is equipped the functions contributing to purification as standard and supports reliable dialysis treatment.

Clean Coupling

This special design cleans and disinfects the sealed part of the dialyzer coupling, optimizing the cleaning of the dialysate.



On treatment



Rinse/Disinfection

Concentrate Nozzle Rinse

This feature automatically cleans the nozzles for A and B concentrates after each treatment.

Dialysate Filter

The dialysate filter is easily replaceable without contamination. Filter leakage can be detected by performing a leakage test before each treatment.



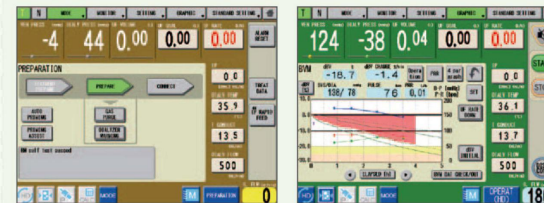
Back face

Comfort in Treatment

DBB-27 is the most compact of the DBB series and offers comfort to the patient during a treatment.

User Friendly Design

The 12.1-inch color LCD touch screen provides an user friendly interface with useful status icons.



Preparation

Blood volume



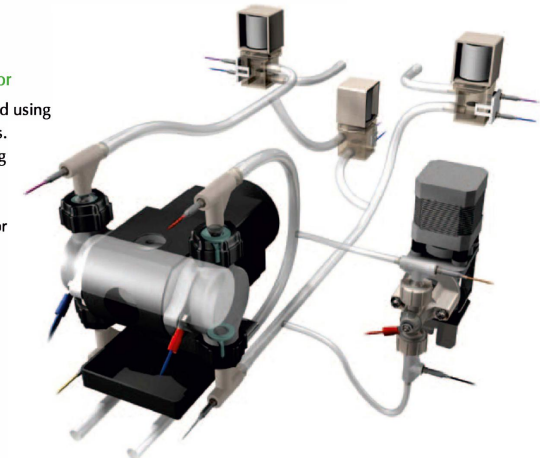
Status icon



Accurate Ultrafiltration

Solenoid valve open/close status monitor

The status of the solenoid valve is monitored using the electric voltage between two electrodes. Together with TMP auto-forecast monitoring and continuous monitoring for discharge precision of pumps, the addition of solenoid valve status monitor achieves ultrafiltration with even greater accuracy.



Features

Performance (*Optional)

- Single pump single needle (Click-clack)
- UF/Conductivity profile
- Concentrate nozzle rinse
- Dialysate filter
- Blood pressure monitor*
- Network connection*
- Blood volume monitor*

User Friendly Interface

- Treatment settings data can be stored for up to 16 patients, eliminating the need to input data every time
- Large graphic display for easy operation

Safety

- Continuous monitoring of pumps and valves during treatment
- Self test of extracorporeal blood circuit, hydraulic circuit, and CPU system before starting treatment
- Detectors for blood, air bubble, and blood tubing lines

Easy Maintenance

- Flow diagram for checking the function of each part of the hydraulic circuit
- Machine and treatment history data

- The appearance and specifications are subject to change without prior notice.
- The photograph of the exterior view may appear different due to printing quality.
- Read the accompanying operation manual before use.

Specifications

Equipment Specifications

Dimensions	Height: 122 cm Width: 30 cm Depth: 37 cm
Weight	Standard system: Approximately 60 kg System with all options: Approximately 80 kg
Power supply	AC (single-phase) 100 to 120V, or 200 to 240V 50/60Hz±1Hz Back-up battery: Ni-MH battery, 24V/500mAh
Water supply	Pressure range of water supply: 70 to 300 kPa (11 to 101 PSI) Temperature: 5 to 30°C
Dialysate flow rate (Qd)	Setting range: 300 to 700mL/min
Dialysate temperature	Setting range: 30 to 40°C
Dialysate conductivity	Bicarbonate conductivity : Setting range: 1.5 to 7.0mS/cm Total conductivity: Setting range: 12.5 to 15.5mS/cm
Disinfection method	Chemical, heat, or citric acid/heat
UF control system	UF rate setting range: 0 or 0.1 to 4.0L/h Accuracy: ±30mL/h (Qd 300 to 500mL/min) ±0.1% of Qd (Qd 501 to 700mL/min)
Blood pump	Flow rate setting range: 40 to 600mL/min(blood tube's outer diameter 12mm, inner diameter 8mm); 40 to 350mL/min(blood tube's outer diameter 9.6mm, inner diameter 6.6mm)
Air detector	Ultrasonic, Sensitivity (blood flow rate 250mL/min) normal bubbles: 0.02mL micro bubbles (blood/air mixture): 0.0003mL
Blood leak detector	Optical, Sensitivity: 0.5mL blood/1L dialysate (Blood: Hematocrit 20%, Dialysate temperature: 37°C)

Monitoring Display Specifications (Measurement Range)

Venous pressure	-200 to +500mmHg
TMP	-100 to +500mmHg
Dialysate pressure	-600 to +600mmHg

Manufactured by

NIKKISO CO.,LTD.

20-3, Ebisu 4Chome, Shibuya-ku, Tokyo 150-6022, Japan
Phone : +81-3-3443-3727
Telefax: +81-3-3440-0681
<http://www.nikkiso.com>

**For information, Call RAJSUN INNOVATIONS LLP.
+91 7069660011, 7069517441**