

Hemodialysis Machine

# RENOVA

Manufactured by Novatis Teb Company

Knowledge base product

- Updated design and compliance with EU regulatory
- The user-friendly operating
- Accurate and reliable in UF process



CE 2195

Hemodialysis Chair  
Nova 500



Central Reverse  
Osmosis Unit  
Nova RO

Portable Reverse  
Osmosis Unit  
Nova PRO



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# Dialysis Machine Specification

Machine Sections	Performance item	Specification	
Treatment types		HD Bicarbonate and acetate based Single needle and double needle	
Ultrafiltration system	Net fluid removal	100cc/hr-2000 mL/hr	Error Less than 100 mL/hr
	Measurement type	Online Noninvasive flow metric measurement system	
Dialysate section	Bicarbonate concentration	2.4 mS/cm-3.6 mS/cm	Error Less than 10%
	Sodium Concentrate	13.5 mS/cm-15.5 mS/cm	Error Less than 5%
	Dialysate temperature	35°C-38°C	Error Less than 0.2°C
	Dialysate time	15 min – 10 hr	no error
	Dialysate flow rate	300-800 cc/min	Error Less than 2%
	Bicarbonate type	Cartridge Container	
Blood section	Blood flow rate	20-700 cc/min	Error Less than 5%
	Blood pump	Using brushless DC motor equipped with single fault safe driving unit	
	Blood sensors	Blood detection for highest patient safety during connection and disconnection of patient	
		Ultrasound air detector closest position to clamp with internal self-test and detect air bubbles > 40 µl	
Blood Pressure Sensor	Position	At three points: Venus, Arterial and dialyzer entrance	
	Range	-350 to 450 mmHg	
	Accuracy	1mmHg	
Blood Sensor		Blood leakage detection with the resolution of 0.35 ml/min	
Anticoagulation	Heparin pump	Step motor driving with accurate linear system	Configurable in software with different syringe type and sizes
	Syringe size	20 mL	
	Accuracy	5%	
	Working Program	Bolus dosing - Continues dosing Programmable Stop Time - Dosing Profile	
Disinfection		Hot rinse, Chemical, Hot Chemical	
Electrical System	CPU and protection system		Embedded System
	Interface		Size: 15 inch
			Pixels: 1024*768
Options	Other programs		Touch Screen: PCAP
			Shutdown after rinse User friendly reinfusion and priming Profiling Real blood flow correction Self-tests Alarm system recording Customized menu for troubleshooting Filter & cartridge emptying cycle Kt/V measurement Online real UF measurement Patient blood pressure monitoring Patient card tracking system Cloud communication