



## SPECIFICATIONS

### TECHNICAL PARAMETERS :

Dimensions	: 13" (L) x 16" (W) x 25" (H)
Weight	: Approx. 30KG
Voltage	: 110V / 230V AC – 50/60Hz – 2.5A,
Power	: 150W
Ambient Temp	: 15° to 45° C
Relative Humidity	: 10% to 80% RH

### DISPLAY :

Bigger 7", 65K Color TFT LCD Display with Capacitive Touchscreen and Multi-touch Support. Simple yet distinctive Graphical User interface

### HARDWARE :

- 1.4 GHz ARM Processor with 1 GB of RAM and 32 GB of Storage
- Built-In Bluetooth and Wi-Fi Functionality
- USB and Ethernet for File sharing
- Barcode Scanner and Printer as standard
- Built-In battery backup in case of power failure
- Status Notification Indicator LED
- Voice assistance Throughout the Operation of machine
- Inbuilt Reports Generation and STERILANT CONSUMPTION MONITOR
- EMI and RF Filter with Twin Fuse for extra safety

### DIALYZER TESTING :

**Pressure Test** : -300 mm/Hg is applied on Dialysate side for 30 sec and as per standard pressure leak should be less than 10% in Low and Middle Flux and 12% in High Flux. Software automatically applies appropriate setting for dialyzer depends on dialyzer selected. If the dialyzers membrane is ruptured badly it will be detected in first minute of process saving a time and sterilant.

**Volume Test** : (TBV Test) : Automatically set the 80% of the original dialyzer priming Volume

### REPROCESSING TIME :

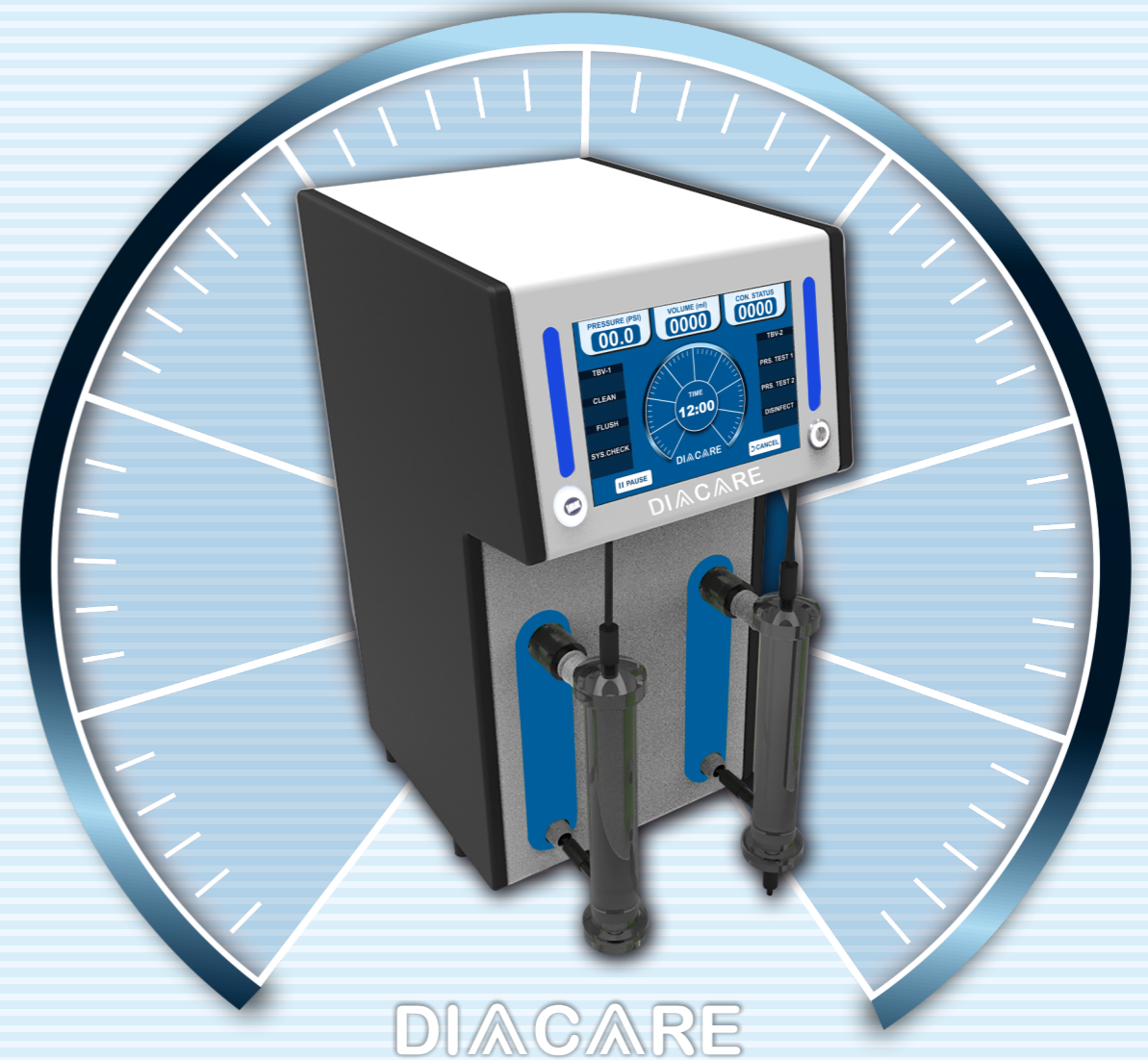
Approximately 12min. for Double Dialyzers  
Approximately 08min for Single Dialyzer

### STERILANT :

Peroxy Plus RP as a Sterilant used with machine, approx. 27ml concentrate Sterilant. consumption per dialyzer

### BASIC REQUIREMENT :

<b>Water Requirement</b> :	Pressure	: 20 PSI To 50 PSI
	Purity	: RO water as per AAMI and ANSI standard
	Flow (min)	: 3L/Min.
	Water Consumption:	: Approx. 14L for 2 dialyzers
<b>Drainage</b>	:	Capacity to Drain 6L/ min, should not located 1 feet above the ground



### Standard Accessories



Barcode Label Printer



Barcode Scanner



Built-in Battery Backup

Manufactured by :



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### DESIGN

DIACARE is a very unique but yet simple system, makes it easy to use at a same time robust. Stainless Steel frame keeps the machine rust free for years together. Capacitive touchscreen are very much easy to operate even with wet gloves in hands. Large 7" Display modules enables user to take a reading on a system in just a glance, even from distance with ease.

### QUALITY

DIACARE stands apart due to its quality. Even a smallest components used in system is tested for its quality. Tubes are made from medical grade PVC. High quality quick release coupling and connectors are used for ease of service. All the connectors and valves used in system are complies with strict ISO and CE quality system regulation.

### SAFETY

DIACARE offers world class safety to both patients and users. With non-return valves on RO water inlet and drain outlet also on sterilant intake tube prevents from any contaminations from either side. No one can bypass the test or any step of machine, this gives a full safety to patients, that the dialyzer reprocessed on DIACARE are safe to reuse as per AAMI standards. The Peroxy Plus RP sterilant and DIACARE system combination requires no premixing, eliminating the possibility of human error during the dilution process. All the care has been taken to prevent any chance of cross contamination.

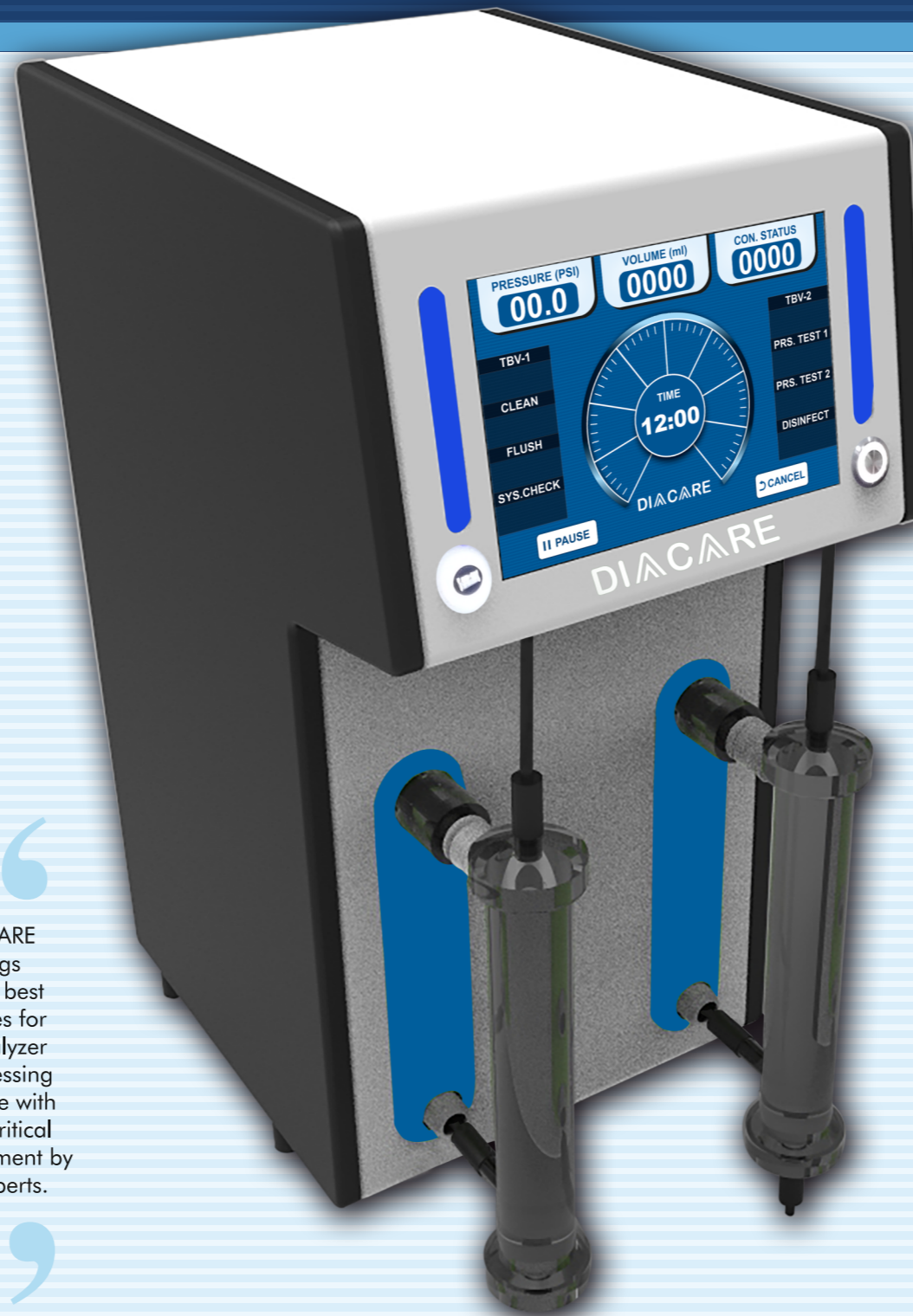
### FAST (TIME SAVING)

It takes only 11-12 minutes to reprocess the two dialyzers with DIACARE. Also it takes only 3 minutes to disinfect the system after it is used.

### ECONOMICAL

DIACARE uses only 27ml of Peroxy Plus RP cold sterilant for each Dialyzer. With the proper processing, one can easily increase the number of reuses with all the protocols followed to make the treatment more economical for the patients. Also this gives a chance to Nephrologists to use High Efficiency dialyzers. Machine process the dialyzers with the reverse ultrafiltration to achieve maximum clearance even with reused dialyzers.

“ DIACARE brings all the best features for the dialyzer reprocessing machine with some critical enhancement by our experts. ”



### USER FRIENDLY

Graphical User Interface of the system is designed in a such a way that every user can operate system effectively. All the basic parameter is set in the software. So user has just to start the process, automatically it will process the dialyzers hence all the possible human error is avoided. If any problem is there with dialyzers machine will notify by audible Voice acknowledgment and Multicolor LED status indication on front panel.

### RELIABILITY

Innovative hydraulics design with not a single electro-magnetic motor inside the machine makes machine more reliable. No moving parts hence no ware-n-tear. Also system is designed in such a way that at the start of each reprocessing, system will perform SYSTEM CHECK cycle of all the parameters before each reprocessing. Most Advanced microprocessor and precise sensors provide most accurate readings.

### FUTURE READY

System has very unique features like .....

- In-built battery backup to keep system running in case of power failure.
- Sterilant consumption monitor keeps the track of consumption of sterilant,
- In-built report generation to generate all vital reports directly from system.
- Voice Assistance through out the process.
- System has dedicated programs for the machine Rinse and Sanitization cycles.
- Barcode Label printer and scanner can be directly connected to machine, Allows user to keep a track of all the dialyzers reprocessing at click of buttons.
- It has all the safety and compliance which industry expect from the product like DIACARE.

### PEACE OF MIND

We at Diacare Solutions, with our all India network and Trained technical support team assures you best after sales service.

