TUSCANO

Innovative Visioneering

DCS - *fs*

- Dialyzer Reprocessing Redefined

The only Dialyzer Reprocessing System that gives FREEDOM to choose

- **Chemicals for Dialyzer Disinfection**
- **Process to Run**
- **Timings based on Disinfectant choice and Dialyzer type**

Complemented with Reduced

- **Use of RO water during Cleaning process**
- **Use of chemicals based on Dialyzer Type and Make**
- **Number of caibrations**

With Optional

- **Communication Interface - wired/wireless**

A PROGRAMMABLE DIALYZER REPROCESSING SYSTEM

DCS-*fs* *is built with the motto that* ***Dialyzer re-use shold be safe, so as to benefit patient and clinicians and deliver savings that benefits patients.***

It is an automated system for reprocessing the used dialyzer. It is an advanced programmable system for pre-cleaning preparation, pre-dialysis preparation & post dialysis preservation.

The Single Dialyzer station is made robust and compact by non-corrosive materials.

State of the art embedded technology allows: real-time monitoring of process parameter; communication options to external devices like PC; remote diagnostics and upgrade facilities.

Unidirectional flow eliminates retention of residual fluid within the system.

DCS-*fs* ensures industry minimum RO water consumption by employing peristaltic pumps.

The pumps save disinfectant/storage media by delivering it to an optimum level in-line with the Total Cell Volume of the dialyzer.

Mounting station is compatible with all dialyzer types & makes

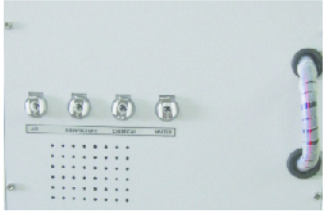
Unique & accurate way of bundle volume measurement by direct mounting of dialyzer onto loadcell.

DCS-*fs* gives the user, documentation of dialyzer status with date and time stamp through an in-built thermal printer.

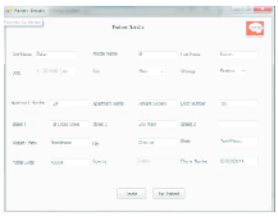
Extensive customizable menus enables programmable process timings and sequences giving unparallel flexibility to users to implement tailor-made reprocessing protocols based on dialyzer type, chemical varieties & hospital practices.

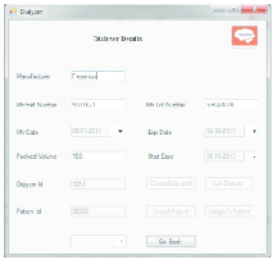
Large LCD displays helps in real time monitoring of system process.

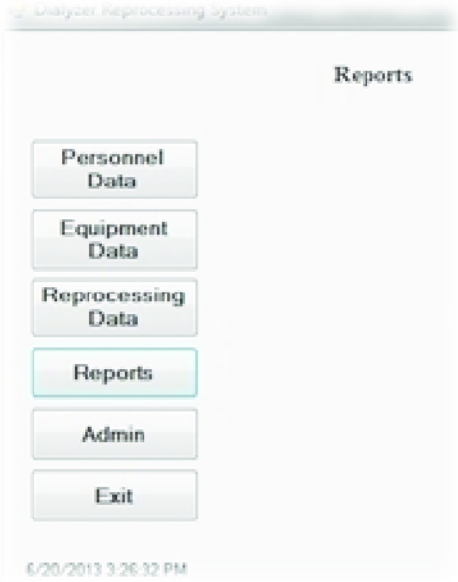
Quick fit connectors for RO water, chemical & disinfectant enables easy re-filling of cans.



DCS-*fs* *has an option to be bundled with DRRS- Dialyser Reporting System- A Comprehensive software that allows patient database management, Dialyzer traceability & Dialyzer re-use history*







Significance of DCS-fs

DCS-*fs* is built with motto that Dialyzer re-use should be safe, so as to benefit patients and clinicians.

Non-corrosive structure gives confidence to user about trouble free performance and provides investment security.

Increased re-use reduces cost of procedures and deliver savings that benefit patients.

DCS-*fs* facilitate safety re-use of dialyzers by measuring accurate TCV.

Incomplete system disinfection alarm to avoid cross contamination.

Unique method of measuring Bundle volume is indicative of the performance of dialyzer for next re-use.

Pressure leak test verifies the intact of internal tubings before start of any procedure.

Features

* Requires no dedicated chemicals.
* Industry-low RO water consumption.
* Accurate and optimal use of disinfectant and storage media by Peristaltic Pumps.
* Dialyzer assessment through TCV and leakage tests.
* Customizable process parameters, menus, sequences provide unmatched flexibility.
* Futuristic technology provide networking and communication options.
* Remote upgradation of system software and system diagnostics as an option.
* In built printer provides documentation of dialyzer status with time stamp.
* Inbuilt alarm like RO pressure alarm, Chemical flow alarm, Bundle volume failure alarm, Incomplete system disinfection/system rinsing alarm, pressure leak test alarm.

Certification

EMI/EMC certification from SAMEER (Govt. of India) that the product meets the IEC 60601-1-2 safety standards.

Technical Parameters

Dimension	: 31 x 25 x 65 cm
Weight	: 35 Kg Table Top
Input Voltage	: 230 V +/- 5%, 50Hz
Power	: 500 W
Leakage Current	: <0.1mA, 220 V
Ambient Temperature	: 5 – 45 Degree Centigrade
Relative Humidity	: 10 -80%

Pre- requisites

Purity	: R.O. Water in accordance with AAMI/ANSI standard
Inlet Pressure	: 24 psi – 40 psi
Inlet Temperature	: 10- 40 degree Centigrade
Inlet Flow	: 2.5 Liter / Min (Minimum)

DEALER