



CE

# GK Health Care

## NEPHRO CLEAR - PLUS™ Dialyzer Reprocessing System

Single Station



Model No. : GKHC-OT-01

Double Station

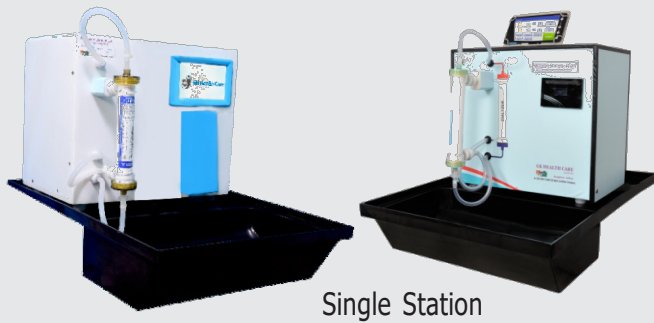


Model No. : GKHC-OT-02

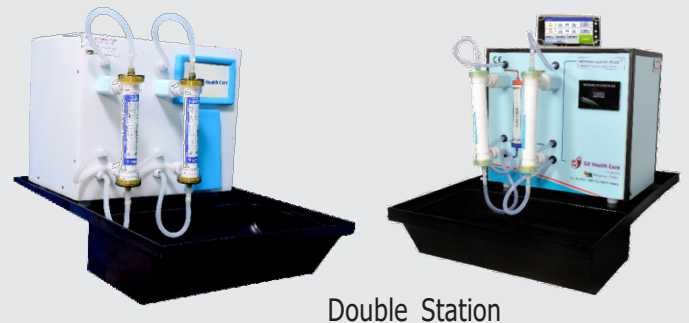


**AROGYA**  
Lifesciences Pvt. Ltd.  
*Dedicated to life care*

Arogya Life Sciences Pvt Limited -India



Single Station



Double Station

**Technology for Quality :** Nephroclear - Plus is a fully automated Single / Dual Station Dialyzer Reprocessing System with TABLET operated with Bluetooth Technology. It is compact, easy to use & has unique features. The reprocessing is so simple that dialyzer cleaning happens with just the touch of a button. Now you can increase the number of reuses of your dialyzer thereby cutting down the dialyzer cost per treatment.

**Quality :** Nephroclear subjects each dialyzer to a strengthened testing process to ascertain its reusability, Volume Test for Dialyzer Efficiency To further ensure quality and patient health, the dialyzer is subjected to a volume test. This ensures adequacy of Dialysis by rejecting dialyzers with less than 80% bundle Volume, test and display residual volume and membrane integrity.

**Simplicity In Operation :** Waterproof 6 Inch Tablet | Single Button start with Auto Self test/ Stores Dialyzer, Fully Automatic operation with Single Touch Button

**Economy :** Nephroclear not only offers you quality that is safe for your patients, it is also economical to use. Uses Reverse UF Technique for better cleaning, thus ensuring increased reusability of both high flux and low flux dialyzers and haemodiafilters. dialyzer there by reducing the cost of treatment. Cleaning, testing and Disinfecting 2 dialyzers simultaneously in just 12 minutes. Nephroclear automated reprocessing system has a unique customized test selection option. Uses Cold Sterilant for both Reprocessing and Disinfection. Easy maintenance with system rinse & disinfection cycle using Cold Sterilant.

**Safety Alarms :** Check Water | Check Chemical | Tank Not Empty with both audible and visual alarms.

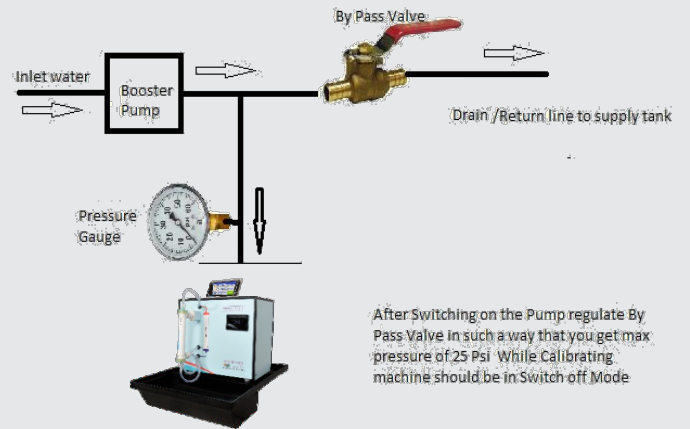
**Leakage Test :** Machine does leakage test with help of Air pump & Check the fiber bundle leakage with 250mm Hg Pressure

**Dis-infectant / Cold Sterilant :** Nephro Clear Plus - Cold sterilant with Medical grade is used for Cleaning, Filling & Dis-infect dialyzer membrane.

**Storage / TABLET :** Nephro Clear Plus -works with bluetooth interfaced Tablet 16GB internal Memory which helps store, display and print/ dialyzer and Patient History data, with bar code printer for label printing and scanner for bar code scanning, Tablet will display disinfectant consumption and remaining quantity to display.



Booster Pump Flow Diagram



After Switching on the Pump regulate By Pass Valve in such a way that you get max pressure of 25 Psi While Calibrating machine should be in Switch off Mode

### Basic Requirement for Installation

#### Water Requirement:

Reverse Osmosis Plant Water Meeting Aami Std,  
2- Lit/min Flow Rate,  
>30 P.s.i Line Pressure.  
R.o.water Supply Through 1/2"  
Stop Cock Made of

#### Electrical Requirement:

3 Pin Socket With Earthing  
Ac230 V, 50hz, 140w

#### Drain Line

1-1/2" Drain Line. Diameter  
Should Allow Drainage of >2-lit/min  
Flow Rate.

#### Place For Machine Installation :

Steady Platform Away From Heat,  
Water Spillage,  
Platform Dimensions  
Width-18", Breadth-12", Height-17"

**Software / Application :** Nephro Clear plus using Android Tab with application based where user can change / upgrade the dedicated Software / Application & facility to upgrade Software / Application

**User Friendly:** Nephro Clear plus having separate tests for Sser / Service Engineer to avoid wastage of water & chemical, separate cycle for water sample collection, Affusion Clean, Rinse, TBV

Using Manual / Automatic option in Tab we can drain out the water, uptake the disinfectant, intake the water in mixing chamber

## DISPLAY

5.5" Android Powered  
Tablet for user input  
Print and e-mail Reports

## PARTS AND TOOLS

- \*Blood port Caps
- \*Dialysate Port Caps
- \*Cold Sterilant
- \*Tray
- \*Tablet
- \*PVC Tubes

### TECHNICAL PARAMETERS

Dimension : 18" x 17" x 12"  
Weight : 25Kgs.  
Voltage : 110 /220Vac,50/60Hz,2A  
Power : 140W  
Leakage Current : <0.1Ma,220V  
Ambient Temperature : 5-40 C  
Fittings : Test Blood port Connection, Dialyzer header Caps

### WATER REQUIREMENTS

Purity : R.O. Water in accordance with latest AAMI  
Volume Fail Limit : Automatically set at 80% of dialyzer's original priming volume. ANSI Stands for haemodialysis  
Volume Test Range : 0-150ml (accuracy+-3ml)  
Inlet pressure : 25-50 psi  
Inlet Temperature : 10-40 C  
Inlet Flow : 3Ltr/min  
Pressure Guage : 0-100 psi

### REPROCESSING TIME

Time : 10 - 11 min for 1 & 2 dialyzers  
Water Consumption : 10-12 Ltr per dialyzer  
Drain : Located no high than 25mm above the base of machine

### DISINFECTANT

Cold Sterilient : Dis-infectant, Sanitization, Cleaning, Affusion Manufactured in 5 & 8 liter  
Concentration : Cleaning 2.5% - Affusion 3.5%  
Dilution Method : No pre dilution of disinfectant and to use negative pressure test on fiber.

### CERTIFICATES

- \* ISO 9001:2015
- \* ISO 13485:2012
- \* CE Certified
- \* RoHS compliance
- \* Software Validation Report



Manufactured in India by : **GK HEALTH CARE**  
Marketed By **Arogya Lifesciences Pvt Limited**

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