

RO PLANT FOR DIALYSIS

Hemant Surgical Industries Ltd has been specialized in Healthcare industry since 1980's. We are Specialist in **Dialysis Sector for past 25 years.**

We are manufacturer and supplier of Refurbish Dialysis machines, RO Plants, Dialysis Chairs, Dialyzer Re-processor, Bicarb Mixture, Dialysis consumable and consultants of design etc. We have been successfully catering to the requirement of numerous clients spread across the nation over 20 years. We have the largest network of supplies in the market and our 24 hour technical assistance and excellent customer service and your will see that equipment from **Hemant Surgical Industries Ltd** is not only a smart decision of your patient and institution, but for your peace of mind as well.



Water treatment systems used in dialysis are a critical factor in the overall care received by dialysis patients. They also provide one of the greatest hazards to the patients if they are not functioning properly!

Kidney dialysis involves large amounts of water for dialysis solution preparation. The 'dialysate' is in nearly direct contact with the patient's blood, separated only by a thin membrane. The purity of water is crucial in dialysis, since contamination with halides, aluminum, etc., can lead to morbidity and mortality.

Our RO Plant is efficient, economical reverse osmosis water purification for 100 to 10,000 LPH applications. Hemant Surgical Industries Ltd developed a comprehensive system for RO water treatment system. Our RO are designed and tested to meet AAMI requirements for product water.

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At Hemant Surgical Industries Ltd., we offer special RO plants that are used for kidney dialysis based on advanced technology. Our plants help in removing 97-99% of the total mixed solids along with bacteria, organics and other particulates.

We are an eminent name, which is engaged in delivering Reverse Osmosis Water Purifiers at clients' premises. The offered range of reverse osmosis water purifiers is acclaimed for rendering improvised automatic purification with discharge ability of 240-2000 liter per hour through an additional micron filter. Along with this, the offered range is known for eliminating all dissolved and undissolved impurities from water.

Our RO Plants are highly superior quality and meet all the international standards and norms, which have highly appreciated by leading nephrologists, our list price are even below with our competitors.

Our Nephro RO Plants are highly superior quality and meet all the international standards and norms, which have highly appreciated by leading nephrologists, our list price are even below with our competitors.

STANDARD & SPECIAL FEATURES

- Advanced performance monitoring includes digital display of (TDS, Conductivity, & Pump current, low inlet pressure, motor starter overload)
- Pre-filters - 4- No's (1. Dual media Sand, 2.Pre Activated Carbon filter 3, Post Activated Carbon filter, 4. Water Softener Unit /DM Units)
- Quiet stainless steel pump
- Full-fit thin film RO membranes (USA)
- Stainless Steel membrane Housing (Imported)
- Reject water recirculation system
- Square flow meters for concentrate, Permeate & Reject flow (Imported)
- Glycerin filled pressure gauges
- Auto flush control
- Auto TDS Control
- By pass facility for Control panel, Filter, UV and Pumps
- Automatic cut off and re-start system
- Pressure & Air relief valve
- Anti-scaling
- Dosing Unit for PH
- UV Unit
- Pyrogenic trap filter (0.2 & 0.1 micron)
- Custom design
- Low inlet pressure switch
- Stainless Steel Permeate Boosting pumps with stand by motors
- Raw Water feed Pump Including Stand by motor
- Stainless Steel Frames (304grade)
- Dosing for Chlorine
- Dosing for PH maintain
- Advanced system design
- Stops bacterial contamination
- Integrated micron pre-filtration

- Integrated membrane cleaning system
- Simple in operation and easy to maintain
- Complete system automation capabilities
- Assured quality and consistent performance
- Continuous membrane and pump protection
- Reliable performance and operation flexibility
- Advanced thin film composite membrane technology
- Long membrane life with improved fouling and chemical resistance

NEXT GENERATION SOLUTION

Despite proven benefits, the conventional line at times suffers from certain limitations in the case of certain ‘very specific customer expectations’. For example, small pores in the membrane of a RO plant cannot block dangerous chemicals like pesticides, herbicides and chlorine – a big menace in certain cases. Carbon filter used as a complementary measure too fails to address the problem where extremely minute sizes are involved.

Precisely where AWT’s ‘Next-Gen Solutions’ in the form of “Advanced Oxidation Technology (AOT)” and “Light Activated Nano Technology (Photo Catalysis)” warrant emphatic mention both as ‘standalone’ or ‘top up’ on existing solutions.

Our Services –

1. Dialysis machine lease and sale
2. RO Plant installation and services
3. Accessories for RO Plants
4. Dialysis Chairs
5. Dialyzer Reprocessor Machine
6. Dialysis washing Units
7. Design & Consultancy for Dialysis units
8. Portable RO Plants

Purification processes:

- Intake
- Pre-treatment
- High pressure pump
- Membrane assembly
- pH adjustment
- Disinfection

*OUR RO PLANT COMES IN **TWO** MODEL - **PLASTIC** AND **STAINLESS STEEL***

STAINLESS STEEL MODEL -

- SS RO Plant (100 LPH)
- SS RO Plant (250 LPH)
- SS RO Plant (500 LPH)
- SS RO Plant (1000 LPH)
- SS RO Plant (2000 LPH)





PLASTIC MODEL –

- FRP RO Plant (100 LPH)
- FRP RO Plant (250 LPH)
- FRP RO Plant (500 LPH)
- FRP RO Plant (1000 LPH)







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