



FOR SALES



MEDICAL & INDUSTRIAL GRADE RO WATER PURIFIER

Purity in Every Drop

COMPACT WATER TREATMENT SYSTEM

TYPES OF PRODUCTS



- Water Purification System
- Multi-Grade Sand & Activated Carbon Filters
- Water Softener Plant Domestic & Industrial
- STP/ETP/Recycling Plant
- DM & MB Plant
- RO Plant for Medical & Industrial
- Alkaline Water & Mineral Water Plant
- Resin & Chemicals/Testing Kit
- Swimming Pool/Water Fountain Solution



MEDICAL APPLICATIONS

- Haemodialysis RO Plant
- HDF
- Hospitals
- Pharmaceutical
- Ultra Pure Water Purification
- Portable RO for ICU
- Laboratory Testing Application

INDUSTRIAL APPLICATIONS

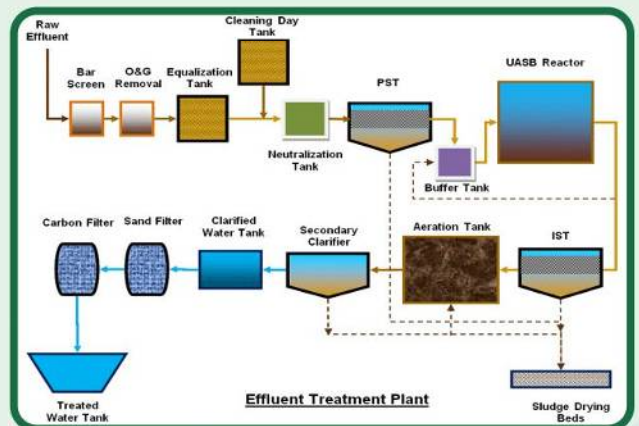
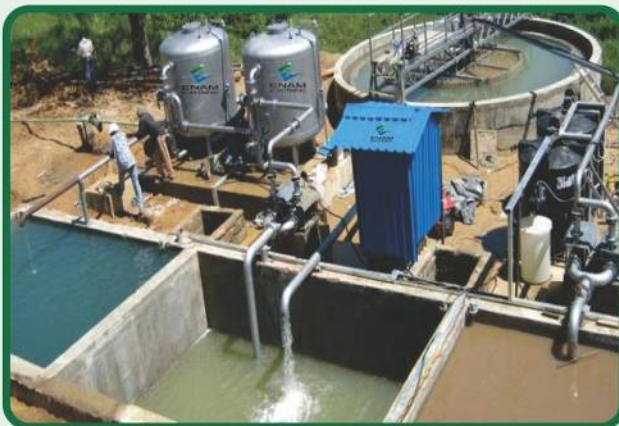
- Textile Industry
- Bottling Plant
- Commercial Complex
- Municipal Water Purification
- Sugar and Beverage Industry
- Boiler Feed Water
- DM Plant
- Zero Liquid Discharge Plant (ZLD)/ETP

OTHER APPLICATIONS

- Alkaline Water
- Water Softening Plant
- Closed Circuit Treatment
- Water Testing Kits & Instruments
- Salt/Disinfectants for Dialysis
- De-mineralisation (DM)/De-ionisation (DI) Plant
- Electro De-ionization (EDI)

ETP & STP

- Effluent Treatment Plant (MBBR, SBR-MBR Process)
- 100Kld to 2mld/Day



DOUBLE PASS RO FOR DIALYSIS



- Water Source Requirement : Chlorine Free, Canal Water, Borewell Water, etc.

For Medical Grade and Ultra Filtration

- Inlet Pressure: 3.5 - 6.0 bar
- Permeate Flow: 250 LPH - 2000 LPH
- Recovery %: 75% 1st Pass - 85% 2nd Pass
- Yield: Adjustable (Typical Operation 50% - 70%)
- RO Water TDS: <10



TECHNICAL SPECIFICATION

Standard Instrumentation for Dialysis R.O.

System control feature include:

- | | | |
|--------------------------|---|--|
| Rota Meter | - | Product, Concentrate & Concentrate Recycle |
| Pressure Gauges | - | Feed, Concentrate & Cartridge Out |
| Conductivity Meter/TDS | - | Inbuilt |
| Low Pressure switch | - | HP Pump & Suction |
| Automatic Shut Off Valve | - | Feed (Inbuilt) |
| Spring Check Valve | - | Permeate |
| Auto Flush Solenoid | - | Concentrate |
| Ball Check Valve | - | Recirculate of concentrate |
| Controller | - | LCD Display (Micro Controller Based) |
| Output Tank | - | PVC (500 Ltr.)/S.S (Optional) |
| Brine Tank | - | PVC (100 Ltr.) |
| Sampling Port | - | Testing of Pre-Post water for Dialysis (Inbuilt) |
| Body Type | - | Stainless Steel |
| Drain | - | Inbuilt |
| Power Supply | - | Single Phase Supply (230V AC 50 Hz, 16A, 750A) |
| Feed Water Supply | - | Potable Water |
| SDI (Silt Density Index) | - | <5 |



DIALYSIS MACHINE

CAPACITY (MODELS) - PERFORMANCE

- N-Dura 125LPH (Single/Double Pass) - 125 L/hr
- N-Dura 250LPH (Single/Double Pass) - 250 L/hr
- N-Dura 500LPH (Single/Double Pass) - 500 L/hr
- N-Dura 1000LPH (Single/Double Pass) - 1000 L/hr
- N-Dura 1500LPH (Single/Double Pass) - 1500 L/hr
- N-Dura 2000LPH (Single/Double Pass) - 2000 L/hr
- Customized Semi/Fully Automatic Upto 20mtr³

RO KEY FEATURES



- Average ion rejection is 95.0 to 99.6%.
- Energy Saving - Low Energy Polyamide Membranes.
- N-dura use, high efficiency SS304 (SS316 optional) Vertical Multistage Centrifugal pumps Pre-filter housing with N-dura use 5 micron NSF certified PP cartridge filters.
- Automatic low inlet pressure shutdown for high pressure pump protection.
- One permeate NRV for safety of RO Membranes in case of permeate back pressure.
- Low pressure piping in PVC SCH-80.
- PEX/CPVC (Lead Free) Piping for loop line with S.S push/pull converter (Optional).



SERVICES

• OPERATIONS & MAINTENANCE CONTRACT (O&M)

In this comprehensive contract, we undertake the complete responsibility of the plant by deploying man power to produce the treated water as per designed quality & quantity.

• ANNUAL MAINTENANCE CONTRACT (AMC)

The annual maintenance contract (AMC) is designed to provide proper supervision monitoring of systems.

• DESCALING CHEMICAL CLEANING SERVICES

Descaling/Chemical cleaning is more effective for the removal of inorganic and organic deposits from process lines and equipments.

• ANTISCALANT DOSING R.O

Antiscalant is a pretreatment water additive for reverse osmosis system that is highly effective in preventing the membranes from scaling.



CONSULTANCY

- System Survey, Program Selection & Recommendations Application & Monitoring Monthly Trend Reports, Treatment Review & Audit, Program Optimization.



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