

PACKAGED REVERSE OSMOSIS SYSTEMS



Aguapuro offers state of the art packaged Reverse Osmosis systems complete with pre & post treatment equipments offering very pure water form brackish or saline water.

Water produced using Reverse Osmosis technology is of very low TDS and free from particulate, organic and colloidal matter.

These systems comprise of raw water feed pump, multi media filter unit, activated carbon filter unit, anti scalent dosing unit, (optional - water softener) micron bag and/or cartridge filter and reverse osmosis unit with optional UV sterilizer unit at the outlet of RO unit. These systems are used for water having TDS up to 2000 ppm. **Systems for higher TDS are custom designed and offer for the same can be procured from Aguapuro sales division. Aguapuro offers a wide range of capacities in this series, ranging from 2 M3/hr to 100 M3/hr and more.**

Special Features

- Pre assembled, factory tested systems, compact, easy to install, operate and maintain
- Anti corrosive FRP vessels and Pressure Tubes (SS-optional), SS 304 Skid for mounting units
- System requires only water, electrical and drain supply and can be installed in a day
- Multi port control valve for easy operation of filtration and electrical controls with all interlocks
- ASTM scheduled heavy duty UPVC Piping & SS Piping for RO high pressure piping
- TDS monitor to check raw & treated water quality, solenoid valves & Pr switch for safety controls

Applications

- Boiler feed & process water
- Kidney dialysis unit in hospitals
- Hospitals, Hotels, Resorts, Clubs, etc.
- Residential & commercial use
- Beverage & food processing units
- Pharmaceuticals and bulk drugs
- Power plant projects
- Textile processing application
- Swimming pools water conditioning

Specifications

- Raw water feed pump with valves, NRV, etc.
- Multi media sand filter with MPV in FRP
- Activated carbon filter with MPV in FRP
- Anti scalent dosing system with HDPE tank
- Micron bag and micron cartridge filter unit
- High pressure pump with pressure switches
- High performance membranes with pressure tubes array
- UV system as optional for drinking water use
- Electrical control panel and wet panel for control

TECHNICAL DATA SHEET FOR PACKAGED REVERSE OSMOSIS SYSTEMS

Sr. No.	Model No.	Capacity M3/hr**	Membrane Array**	Inlet Dia mm	Outlet Dia mm
1.	RO SYS 2.0	2.0	8040 - 2 x 1	1.5"	1.0"
2.	RO SYS 3.0	3.0	8040 - 3 x 1	1.5"	1.5"
3.	RO SYS 4.0	4.0	8040 - 3 x 1	2.0"	1.5"
4.	RO SYS 5.0	5.0	8040 - 2/3 x 2	2.0"	1.5"
5.	RO SYS 6.0	6.0	8040 - 3 x 2	2.0"	2.0"
6.	RO SYS 7.0	7.0	8040 - 2/3 x 3	2.5"	2.0"
7.	RO SYS 8.0	8.0	8040 - 2 x 4	2.5"	2.0"
8.	RO SYS 9.0	9.0	8040 - 3 x 3	2.5"	2.0"
9.	RO SYS 10.0	10.0	8040 - 2 x 5	2.5"	2.0"
10.	RO SYS 12.0	12.0	8040 - 3 x 4	3.0"	2.0"
11.	RO SYS 14.0	14.0	8040 - 3 x 5	3.0"	2.5"
12.	RO SYS 15.0	15.0	8040 - 5 x 3	3.0"	2.5"
13.	RO SYS 20.0	20.0	8040 - 4 x 5	3.0"	2.5"
14.	RO SYS 25.0	25.0	8040 - 6 x 4	3.0"	2.5"
15.	RO SYS 30.0	30.0	8040 - 6 x 5	3.0"	2.5"
16.	RO SYS 50.0	50.0	8040 - 6 x 8	4.0"	3"
17.	RO SYS 100.0	100.0	8040 - 6 x 16	6.0"	4"

General conditions and pre-operating conditions

- Output per hour is dependant on in-feed raw water parameters
- Membrane array is based on 2000 ppm TDS of raw water and may change
- Average recovery through the Reverse Osmosis unit would be 50-85% (Feed TDS dependant)
- Raw water should be provided with either positive head or min 1.0kgs/cm² in-feed pressure
- RO system would reduce TDS up to 90-95% of the in feed water
- Electrical supply of 415 V AC with isolation switch to be provided to the electrical panel
- Aguapuro reserves the right to amend the information given for improvement of the product

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