

apro-i-1000

reverse osmosis system

The RO system is designed to remove the organic impurities and reduce the total salt content of water from municipal and local water supply systems (borehole, brackish or sea water) in accordance with the requirements.

Materials used in RO systems are safe, non-toxic and do not release any dangerous substances into the water.

Benefits

- Ultra low energy consumption
- Remote control and easy setup via monitor app
- Dual low energy booster and recirculation pumps
- Permeate recovery up to 99%
- Easy maintenance
- Low cost operation
- Extended membrane life

Specifications

Operational pressure, bar	7-10
Permeate Flow, LPH	1000
Membrane Quantity	4
Membrane Size, inch	4 × 40
Max inlet TDS, ppm	2000
Frame material	Coated CSTL
Reduction of salt content, %*	Up to 95
System recovery, %**	75 - 99
Power supply	single-phase 230V, 50Hz
Dimensions, mm	820 x 500 x 1280
Net weight, kg	93
Sizing (inlet, outlet, concentrate)	3/4" / 1/2" / 1/2" NPTF

Standard System Equipment

- Grundfos pumps (Made in EU)
- Stainless steel seamless pressure vessels
- Fully equipped electric board
- MP controller with TDS/flow/pressure monitoring
- 4.5" (BB) / 5.5" DIA (Viking) with patented high capacity multistage cartridge
- SS frame (for SST models) and case
- Auto patented preset Permeate Recovery Control
- Modbus

Optional Features

- Dosing pump with level switch
- Supply pump and storage vessels
- GSM/GPRS/Modem
- CIP system

NOTE:

The RO system is not designed to solve all problems related to water treatment. For proper operation it may require additional water pre-treatment.

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