

09.1.3



WATER TREATMENT

CONTAINERIZED ROVERSE OSMOSIS PLANT 200M³/H



WATER TREATMENT

WHAT ABOUT

The 200 M3/H ROVERSE OSMOSIS CONTAINERIZED PLANT. This plant is suitable conductivity reduction, desalination and elimination of complex matrix of pollutants from wáter Composed by 6 containers

MAIN CHARACTERISTICS

- Input TDS: 5.000 ppm Output TDS: 1.000 ppm
- Flow rate produced: 200 m3/h
- Inlet pressure: 2-4 bar
- Raw water temperatura: 15-35 °C
- SDI < 3
- Operating pH: 2-11
- Free chlorine: <0,1 mg/l

PROPOSED INSTALLATION

- Coagulant dosage.
- Filters sytem
- Chemical dosage
- Microfiltration
- High-pressure pumping
- Vessels & membranes
- Specific automation
- Flushing and chemical cleaning system
- Specific Instrumentation

REVERSE OSMOSIS SET

- N° of steps: 1
- Configuration: 20×6 – 10×6
- N° total of modules: 30
- Design pressure: 21 bar
- N° of membranes: 180
- Membranes: Hydranautics, Lenxess or similar
- Inlet SDI: <3
- Design temperature: 5-35 °C
- Inlet flow: 277,0 m3/h
- Production flow: 200,0 m3/h
- Concentrate flow: 77,0 m3/h
- Conversion rate: 72,2 %
- Pumps: Caprari or similar
- Dosing pumps: ITC or similar
- Instrumentation: Telemecanique or similar
- Automation: Schneider or similar
- HMI screen: Schneider or similar

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