



CASE STUDY (068-M-En)

Municipality of Fournous Korseon - Chrisomilia

INTRODUCTION

Sea Water Treatment Reverse Osmosis System for potable use (100 m³/day)

DATE OF IMPLEMENTATION

December 2021

Equipment

- ✓ Seawater forwarding to the system with a feed pump of 10 m³/h
- ✓ Filtration with multiple turbidity filters (filtration speed 12.5 m/h)
- ✓ Anti-corrosion dosing system
- ✓ Filtration with 5µm cartridge filters and 25 - 1 µm cartridge filters
- ✓ Pre-treated water discharge via positive displacement rotary pump at 65 bar
- ✓ Desalination reverse osmosis system consisting of 8 membranes of 40"
- ✓ Automatic membrane rinsing system
- ✓ Sulfuric acid dosing system and passage of water through a hardness filter for the production of drinking water quality
- ✓ Caustic soda dosing system for pH correction
- ✓ Chlorination of produced water

Since 1980, TEMAK has been at the side of local communities covering their needs with reliability and consistency, having a full range of certified water treatment products.

Thanks to the systems manufacture in Greece and the high expertise of its specialized staff, TEMAK is able to offer total water treatment solutions, from study and design to manufacture and installation of required systems.

The 750.000 m³/day of clean potable water or water for general uses, produced daily from TEMAK's installed systems in Greece and 26 abroad countries, constitute the proof of our experience and know-how in water treatment.