

# Reverse osmosis with water softener

## Food industry

### APLICACION:

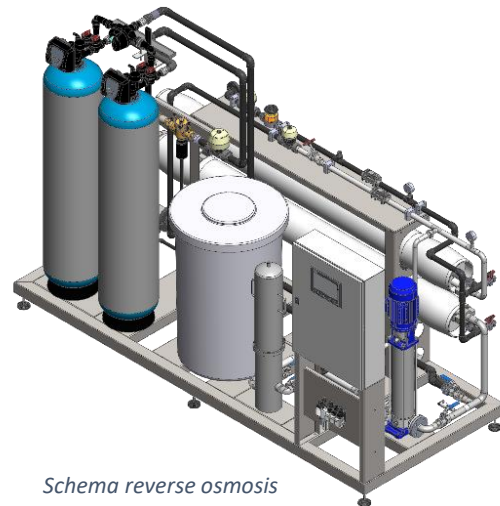
- Raw water treatment to produce organic avocado oil

### PROCEDURE:

- Prefilter for removal of particles > 5 µm
- Water softener to 0 °dH
- Removal of ferric and mangan
- Reverse osmosis according TrinkwV
- Permeate use for production
- Concentrate for irrigation of green areas

**REALISATION:** 2021

**LOCATION:** Kenia



Schema reverse osmosis

Parameter/Technical data	
Temperature	Max 50 °C
pH	neutral
Performance permeat	1,0 m <sup>3</sup> /h
Conductivity permeat	≤ 10 µS/cm
Salt retention	≥ 99 %
Working pressure	Max 14 bar
Installed power	3,0 kW



Detail reverse osmosis



Detail prefilter



Plant overview

A211001