



Reverse Osmosis Systems

Sea Water Desalination

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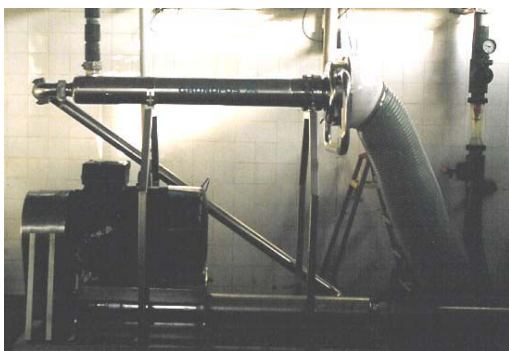
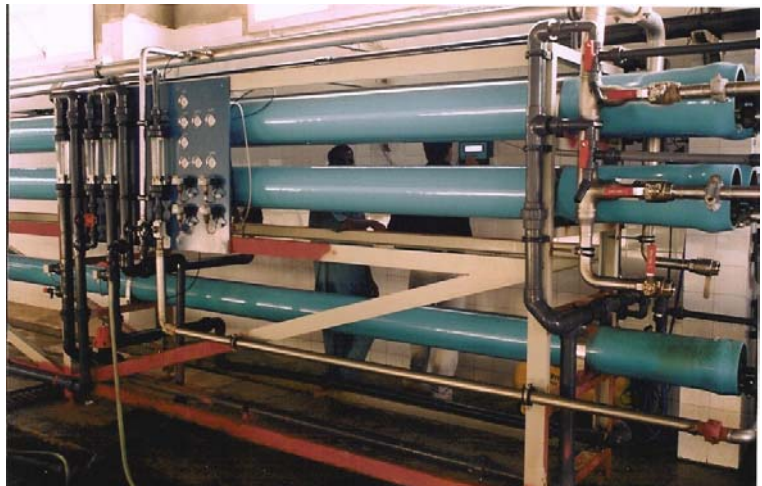
location:Egypt, Red Sea, Port Safaga
branch of customer:water production for bottled water
type of AquaCare unit:SW 500 with energy recovery turbine
capacity:.....500 t/d – 20.8 m³/h at 25°C
water quality:sea water: 42,000 mg/l TDS



total view of the system:

left: high pressure pump and
R.O. modules
center: electric unit
right: pre filtration

high pressure R.O. modules (65 bar)



Multi stage high pressure pump
with energy recovery turbine
made of special steel 1.4462



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location:Egypt, Red Sea, Hurghada
branch of customer:hotel
type of AquaCare unit:SW 250.000
capacity:.....250 t/d – 10.4 m³/h at 25°C
water quality:sea water: 40,000 mg/l TDS



hotels at the Red Sea needs a lot of fresh water



high pressure R.O. module housings



pre filtration in a container