



CASE STUDY

Sea Water RO Units

Livestock Applications

Lebanon

Introduction

Sea Water Reverse Osmosis (SWRO) units for Livestock applications, desalination plant can easily save a lot of space, fuel and time on the ship. Systems were successfully supplied and installed in 2002 for a Livestock importing company in Lebanon.

Plants & Process

Feed water to the plant is supplied direct from the sea water. Each plant capacity is 6,000 GPD of product water used for drinking and washing purposes.

Plants were designed based on TFC spiral wound membranes, which can handle the salinity of 40,000 mg/L.

Pre-treatment:

- Antiscalant Dosing System
- Media filter
- 50 micron bag filter

RO Units consist of:

- Five micron cartridge filter
- Corrosion resistant high pressure pump with motor protected by a precision engineered "pulsatration- dampner"
- TFC spiral wound membranes
- Easy access control panel



 **Pure Aqua, Inc.**