

ECH₂O Tec.™ *Watermakers*



PRO Commercial Desalination Plants

All the freshwater you want and peace of mind

The ECHO Tec. Commercial Series supplies fresh water to hotels, resorts, villages, offshore installations and ships with capacities from 18 up to 380m³/day per unit.

We offer complete solutions from the engineering and manufacturing to the installation of the desalination plant and construction of the beach well seawater intake and media filtration system.

Echo Tec. Desalination Plants from 55m³ up employ state of the art energy recovery systems for an unsurpassed energy efficiency of up to 2.8KW/m³.

Leasing contracts and joint ventures are available and present a full performance guarantee.

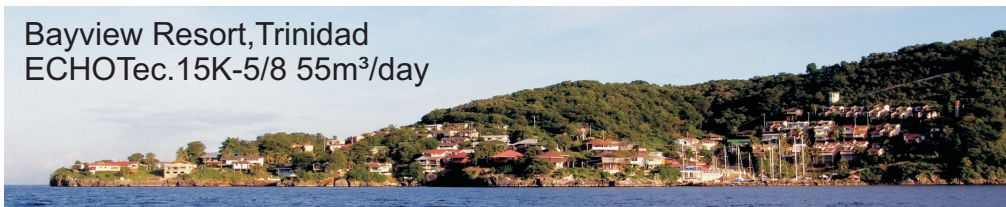
Oil Rig Pride
18m³/day



Tobago Plantation - Hilton
ECHOTec.100K-30/8E 378m³/day



Bayview Resort, Trinidad
ECHOTec.15K-5/8 55m³/day



ECHOTec.100K-30/8E
containerised system

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ECHO Tec. RO Seawater Desalination Systems

Specification and basic operating data - PRO Series

Model:	15K-5/8-E	33K-10/8-E	66K-20/8-E	100K-30/8-E
Production day	55m ³	125m ³	250m ³	378m ³
Recovery	37%	37%	37%	37%
Raw Water Flow gal/min	28	62	124	188
Feed Pressure	60psi	60psi	60psi	60psi
Feed Source	Clean seawater from a well or open seawater intake			
Electrical Power Requirement	7KW	15KW	29KW	44KW

System Instrumentation

Conductivity: Digital product water quality monitor

Pressure Gauges: Feed water (plant entrance) glycerin filled
 Feed water (media filter outlet) glycerin filled
 High pressure pump (entrance) glycerin filled
 RO pressure (entrance) glycerin filled
 RO pressure (outlet) glycerin filled

Flow Meters: Product discharge, digital
 Brine recovery, digital
 Brine discharge, digital

Hour Meter: Total running time

Automatic Shut Off Functions

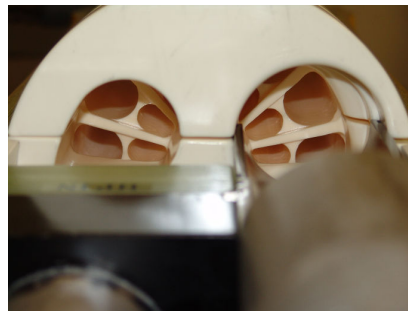
High product salinity
 High RO pressure
 Low feed water pressure
 Low RO pressure
 Low brine recovery
 Low brine discharge
 High pump motor temperature
 Storage tank full

Pre Filtration

Back-washable pressurized Micro Z media filtration system
 Cartridge filtration, 5micron

Chemical treatment and cleaning station

Chemical injection system
 Membrane cleaning in place skid with polyethylene tank and magnetic driven centrifugal pump



The ECHO Tec. Energy Recovery Device provides unsurpassed energy efficiency and is maintenance free.