



DATASHEET

PURA-100 system

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Middle size production system for water treatment from saline water streams.

Automatic control, plug&play setup with easy maintenance.

Suitable to produce high quality water up to 100m³/day for small communities or production locations.

aquastill

Application	Water purification from saline water
Requirements	
Minimal temperature	5 °C
Maximal temperature	83 °C
Maximal pressure	600 mbar
Maximal TDS feed flow	150.000 mg/ltr
Performance	
Salt rejection	Up to 99,97%
Distillate production capacity	2,5-100 m³/day
Nominal distillate quality	< 200 µS/cm
Heating demand	up to 800 kW external
Power supply	380-400VAC 50/60Hz ; 32 A; ...
Operation	Automatic PLC controlled operation with display and datalogging
Operation mode	(v-)AGMD
Flow ranges	
Circulation flow	7-65 m³/hr
Feed flow capacity	0.4-7 m³/hr
General	
Number of membrane envelopes	12 pcs
Lenght of enveloppes	2700 mm
Membrane surface area	26 m²
General	
Module types	Plica AS26 [24 pcs max.]
Weight	12 ton
Dimensions	Standard 20ft sea container 6000mm x2400mm x2400mm (LxWxH)
Materials	
Frame	ITEM anodized aluminium
Piping /plates	Poly propylene / Trespa HX exchangers titanium
Main equipment	
Circulation pumps	4-80 m³/hr
Circulation tank	
Heatexchangers	500 kW @ ΔT=5°C and flow = 50000 ltr/hr
Heating tank	
Electrical heating	--
Valves	valves for external heating/cooling
Measurements	
Temperature measurement	0-100 °C
Pressure measurement	-1000 -1000 mbar
Flow measurement	4-100 m³/hr
Conductivity measurement	1-1000 µS/cm ; 1-200 mS/cm
Options	