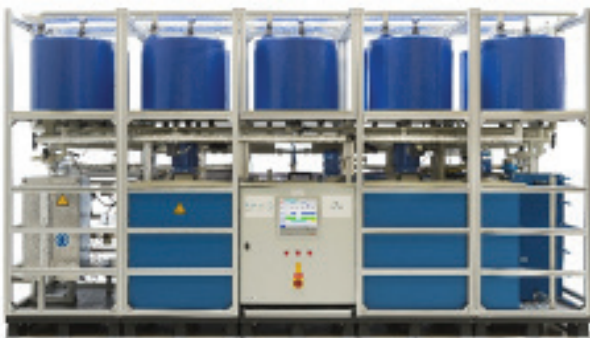


DATASHEET

PURA-10 system

24/06/2020



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 10m³/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	0.5-12 m ³ /day
Nominal distillate quality	< 200 µS/cm
Heating demand	up to 75 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	0.4-15 m ³ /hr
Feed flow capacity	0.4-4 m ³ /hr
General	
Number of membrane envelopes	6 pcs
Lenght of enveloppes	1500 mm
Membrane surface area	7.2 m ²
General	
Module types	Plica AS26 [6 pcs max.]
Weight	approx. 1500 kg
Dimensions	Europallets[5 pcs] 4000x1200x2200 mm
Materials	
Frame	ITEM anodized aluminium
Piping /plates	Poly propylene / Trespa HX exchangers titanium
Main equipment	
Circulation pumps	1-15 m ³ /hr
Circulation tank	700 ltr
Heatexchangers	75 kW @ ΔT=5°C and flow = 4000 ltr/hr
Heating tank	500 ltr
Electrical heating	--
Valves	temperature control valves for external heating / cooling
Measurements	
Temperature measurement	0-100 °C
Pressure measurement	-1000 -1000 mbar
Flow measurement	4-15m ³ /hr
Conductivity measurement	1-1000 µS/cm ; 1-200 mS/cm