

## Fact sheet Vitae 2.000

Production 24h (40%Hr; 25°C)	2000L/24h	
*Total Power Consumption	17 Kw	
Structure	Inox	
*Weight (Kg)	1700	
* Gas Compressor	A407A or R507A	
Performance	8%Hr y 50°C a 100%Hr y 4°C	
*Dimensions	H:2,43, a=6.05 x b=2,59 m	
*Power Supply	III	400V y 50Hz



Compressor power	+30°C/15%Hr		+25°C/45%Hr		+24°C/78%Hr		+30°C/80%hr	
	Water production	Consumption	Water production	Consumption	Water production	Consumption	Water production	Consumption
14,8Kw	600L/day	0,58kwh/Litre	2100L/day	0,173kwh/Litre	2.400L/day	0,156kwh/Litre	2.700L/day	0,146kwh/Litre

Average conditions	Annual maxims	Day power consumption	Night power consumption	power consumption Daily average
<b>+30°C y 15%HR Desert climate</b>		475 Kwh./m3	108 Kwh./m3	292Kwh/m3
<b>+25°C y 60%HR Clima Subtropical CLimate</b>		190 Kwh./m3	40 Kwh./m3	115 Kwh./m3

Generators Aquaer reserves the right to change the elements to adapt the equipment to optimize performance

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The Aquaer Generators cool down the air to 0°C by means of a refrigerating plant, specifically designed to that end. It will be a matter of moving more or less air to obtain the required volume of water.

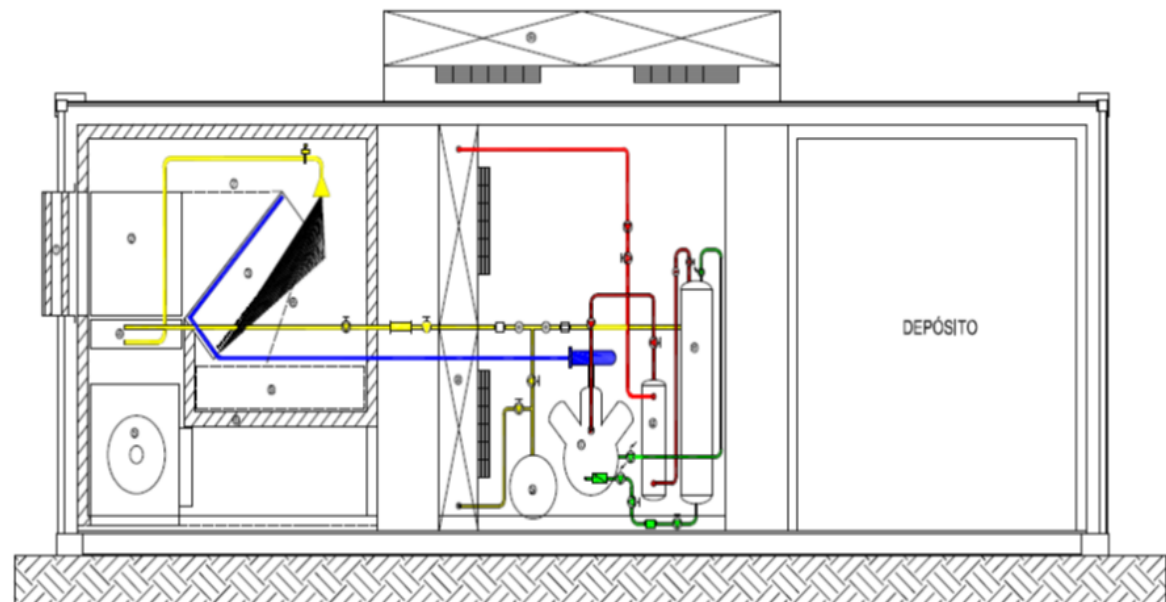
The installation is made mainly out of stain steel and the basic components of the system are as follows: Evaporators, Condensers, Compressors, Extractor Fans, filters and Interchangers.

The generators will be calibrated to operate optimally during the least favorable monthly weather conditions of the project area, thereby assuring the daily projected water output.

As the Aquaer Generator can be designed to work with many different types of energy, other than electricity (thermal solar energy, photovoltaic solar energy, wind energy, etc., thereby keeping the cost of the water obtained at a minimum) it can be installed in any location in the proximity of a needy community.

The expected maintenance of the generators is negligible as they function on the same principle as the refrigerator we know from our homes where hardly any repair work is necessary. It would be relatively easy to train somebody from the relevant community to clean and change air-filters on a regular basis.

Chemical Water analysis and compared



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	Aquaer Water Generator	Walvis Bay Chemical Water Análisis	DWA NAMIBIA Standard		SABS South Africa Standard		Internacional Standard Regarding water quality		
			Class A	Class B	(Guide)	MAX	WHO	EU	EU
			Class A	Class B	(Guide)	MAX	(Guide)	(Guide)	MAX
<b>Conductivity</b>	<b>29,2</b>	117	150	300	100	200		400	
<b>PH</b>	<b>7,50</b>	8	6-9	5.5- 9.5	6.6-9	9.5	6.5-8.5	6.5-8.5	6.5- 8.5
<b>Chloride, mg Cl/Lt</b>	<b>3,5</b>	149	250	600	250	1000	250	250	250
<b>Hardness, mg Ca/Lt</b>	<b>3,8</b>	348B	300	650	500	1000			
<b>Iron ppm</b>	<b>0,06</b>	0.02A	0.1	1	0.1	1		400	
<b>Copper ppm</b>	<b>0,01</b>	0.05A	0.5	1	0.5	1	6.5-8.5	6.5-8.5	6.5- 8.5
<b>Nitrates ppm</b>	<b>0,06</b>	3.4A	10	20	6	10	250	250	250

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### BUDGET Aquaer /2022

ITEM Potable Water Generators By Condensations (AQUAER)	Qty per item	Price per item	Total Price Exwork
VITAE 2.000	1	0,00€	00€

Payment: 50% Advance of the total amount by bank transfer to our bank account. The remained 50% of the amount should be paid by Irrevocable Credit Letter confirmed by EU bank, at the time of placing an order.

- Total Amount: **,00€**
- Account name/beneficiary: AQUAER GENERATORS SL (CIF:B-91464917)
- NAME BANK: CAIXABANK SA (CIF:A-08663619)
- Bank Contact Address : Luis Montoto 25, CP: 41013 Seville SPAIN
- IBAN: ES16 2100 1683 1402 0012 2289
- CCC: 2100-1683-14-0200122289
- BIC/SWIFT: CAIXAESBXXX
- Bank Telephone: +34 954 78 33 67

#### Conditions:

- Guarantee: one year from installation
- Spare parts: for one year
- Delivery: Three month more transport since the bank transfer
- Price valid for 90 days

**Not included:** Transport ; Civil work ;Tax

