



## Fact sheet Abundantia

**AQUAER GENERATOR, S.L.**

**CIF:B-91464917**

☎ (+34) 955.135.387/609.484.563

☎ (+34) 954.309.496

✉ info@aqu aer.com

🌐 www.aquaer.com

Production 24h (40%Hr; 25°C)	5.000L/24h	
*Total Power Consumption	68 Kw	
Structure	Inox	
*Weight (Kg)	5.000Kg	
* Gas Compressor	R404A or R507A	
Performance	8%Hr y 50°C a 100%Hr y 4°C	
*Dimensions	Container base 20´ft	a: 224 x b:600cm h: 230 cm
*Power Suply	III	400V y 50Hz

Abundantia Plus



\* Generator Aquaer reserves the right to change the elements to adapt the equipment to optimize performance.

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

Compressor	+30°C/15%hr		+25°C/45%hr		+24°C/78%hr		+30°C/80%hr	
	Water production	Electric consumption	Water production	Electric consumption	Water production	Electric consumption	Water production	Electric consumption
65kW	1500L/día	0,58kwh/Litro	5090L/día	0,153kwh/Litro	5590L/día	0,106kwh/Litro	7000L/día	0,86kwh/Litro



**AQUAER GENERATOR, S.L.**

**CIF:B-91464917**

☎ (+34) 955.135.387/609.484.563

☎ (+34) 954.309.496

✉ info@aquaer.com

🌐 www.aquaer.com

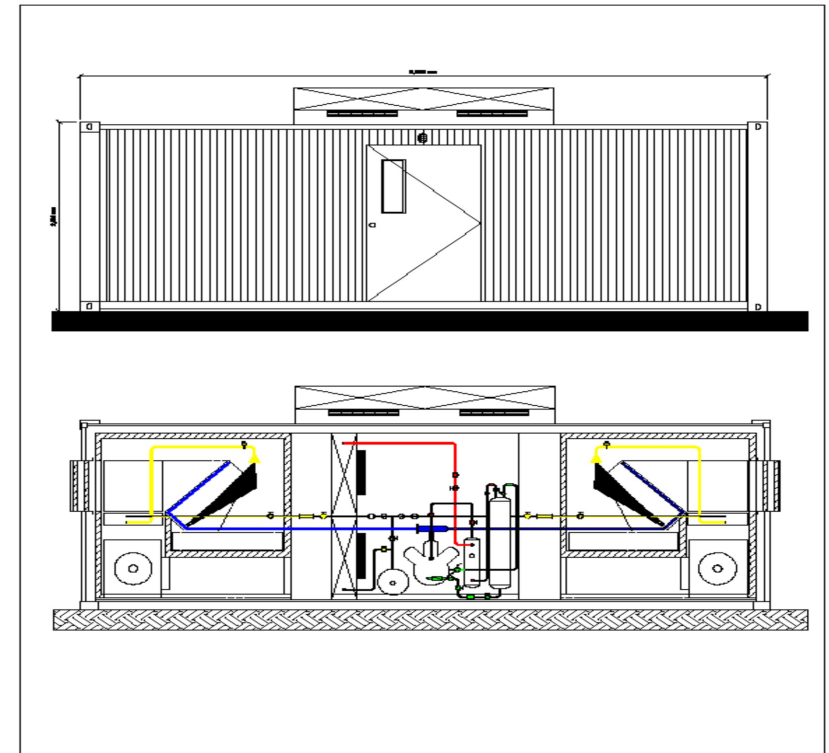
The Aquaer Generators cool down the air to 0°C by means of a refrigerating plant, specifically designed to that end. It will be a matter of moving more or less air to obtain the required volume of water.

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 favourable monthly weather conditions of the project area, thereby assuring the daily projected water output.

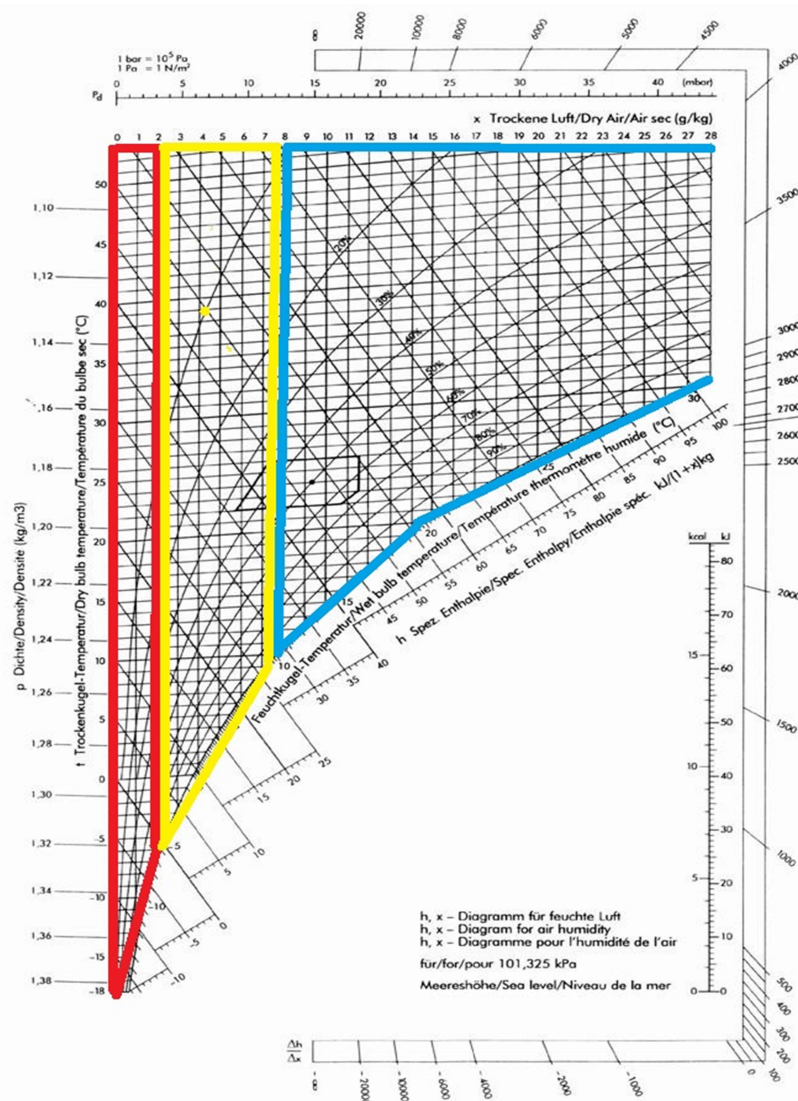
As the Aquaer Generator can be designed to work with many different types of energy, other than electricity (thermal solar energy, photovoltaic solar energy, wind energy, etc., thereby keeping the cost of the water obtained at a minimum) it can be installed in any location in the proximity of a needy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

	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
			150	300	100	200	(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



## PRODUCTION LIMITS

Red Zone: There is no water

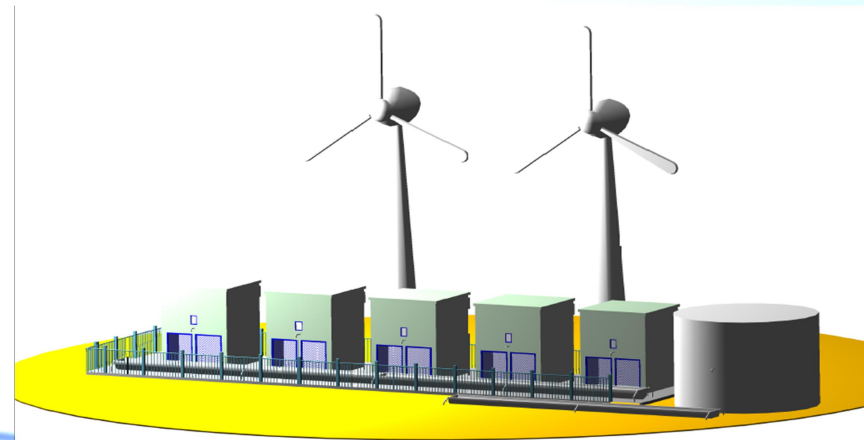
Yellow zone: Lower production (Special designer)

Blue zone: Production without problem

## Performance of AQUAER water machine

Depend of temperature (°C) and relative humidity (%) (Litres per day)

	+8°C	+20°C	+27°C	+30°C	+40°C
10 %				700	2.268
20 %		950	1.620	2.268	3.888
30 %		1.800	3.888	4.400	5.000
40 %	1.250	2.400	5.000	5.832	6.250
50 %	1.450	3.850	5.250	6.150	6.900
60 %	1.750	5.179	5.600	6.600	
70 %	1.950	5.508	5.900	7.000	
80 %	2.150	5.950			
90 %	2.600	6.150			





**AQUAER GENERATOR, S.L.**

**CIF:B-91464917**

☎ (+34) 955.135.387/609.484.563

☎ (+34) 954.309.496

✉ info@aquaer.com

🌐 www.aquaer.com

## BUDGET Aquaer 0xxx/2018

ITEM Potable Water Generators By Condensations (AQUAER)	Qty per item	Price per item	Total Price (% off)
Abundantia	1	140.000,00€	€

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.

**Delivery:**

**Incoterm Exwork**

**6 Month since the payment**

- Total Amount 140.000,00 €
- Account name/beneficiary: AQUAER GENERATORS SL (CIF:B-91464917)
- NAME BANK: CAIXABANK SA (CIF:A-08663619)
- Bank Contact Address : Felipe II, nº14, CP: 41013 Seville SPAIN
- IBAN: ES16 2100 1683 1402 0012 2289
- CCC: 2100-1683-14-0200122289
- BIC/SWIFT: CAIXAESBXXXX
- 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



**AQUAER GENERATOR, S.L.**

**CIF:B-91464917**

☎ (+34) 955.135.387/609.484.563

☎ (+34) 954.309.496

✉ info@aquaer.com

🌐 www.aquaer.com



Ia Guaira. Colombia 300-400l it/dav