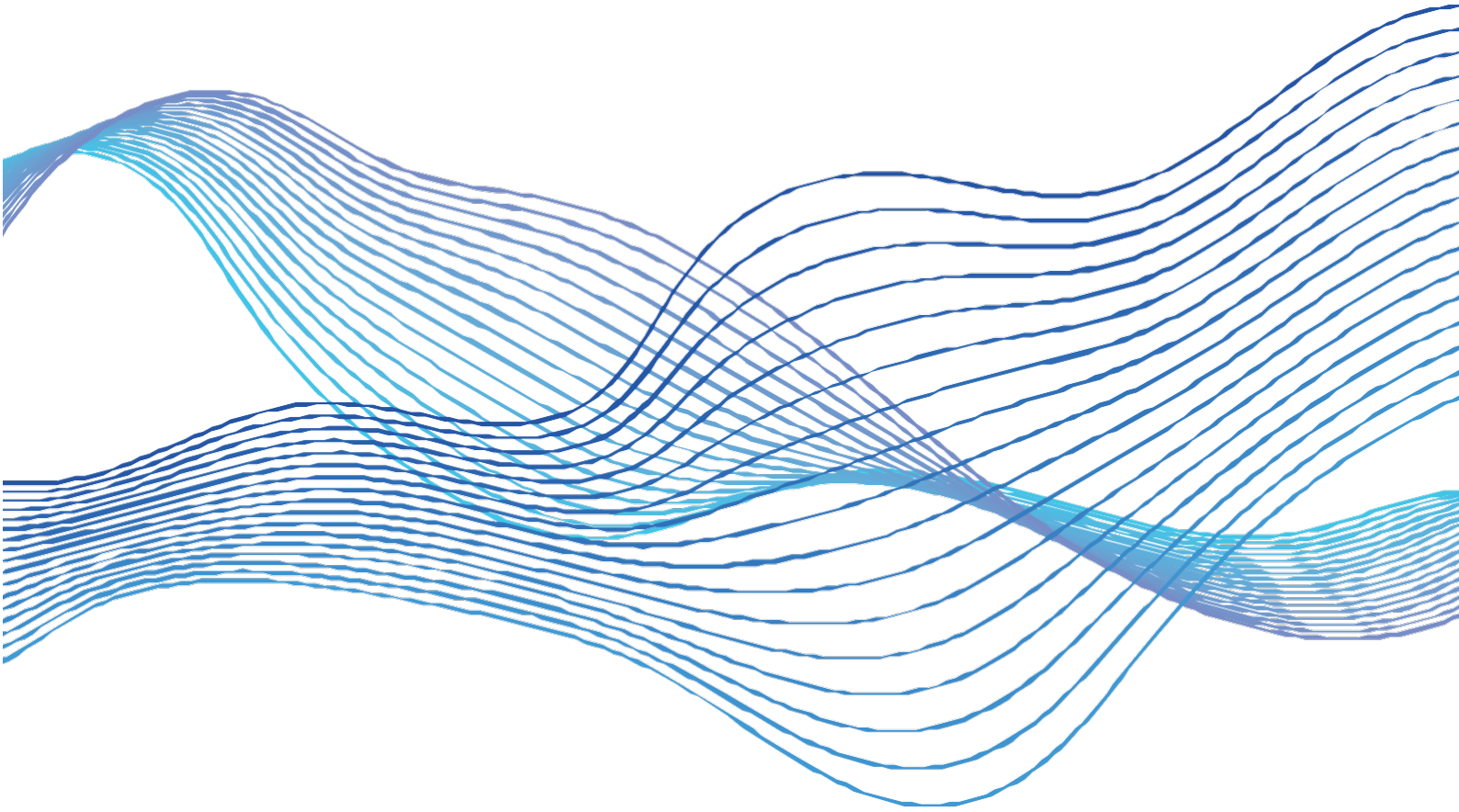
Atmospheric Water Generators

2024 Catalogue

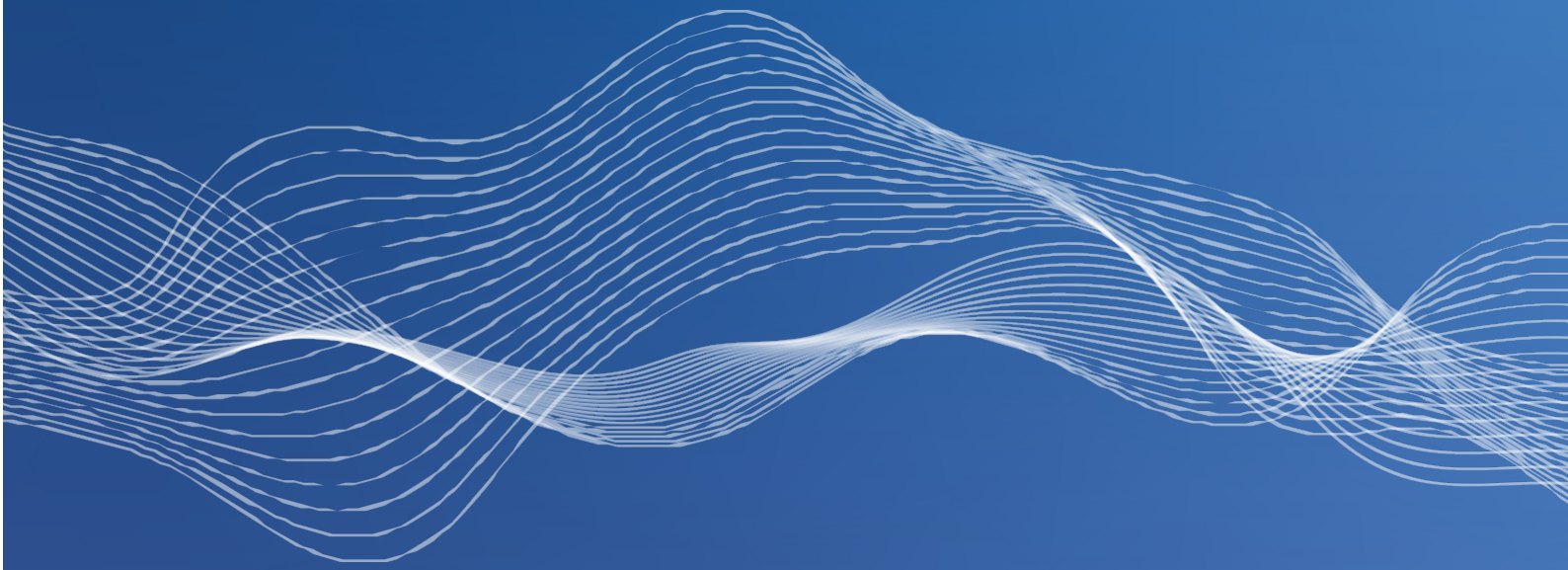


AUQVIAN

GENAQ Authorized Partner

AUQVIAN

Water from Air



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About us

At GENAQ we create **water from air**.

Since 2008, we design and manufacture Atmospheric Water Generators, an innovative solution.

Our mission is to democratize the access to high-quality drinking water, at a low cost, and in a sustainable way, thanks to advanced technological solutions.

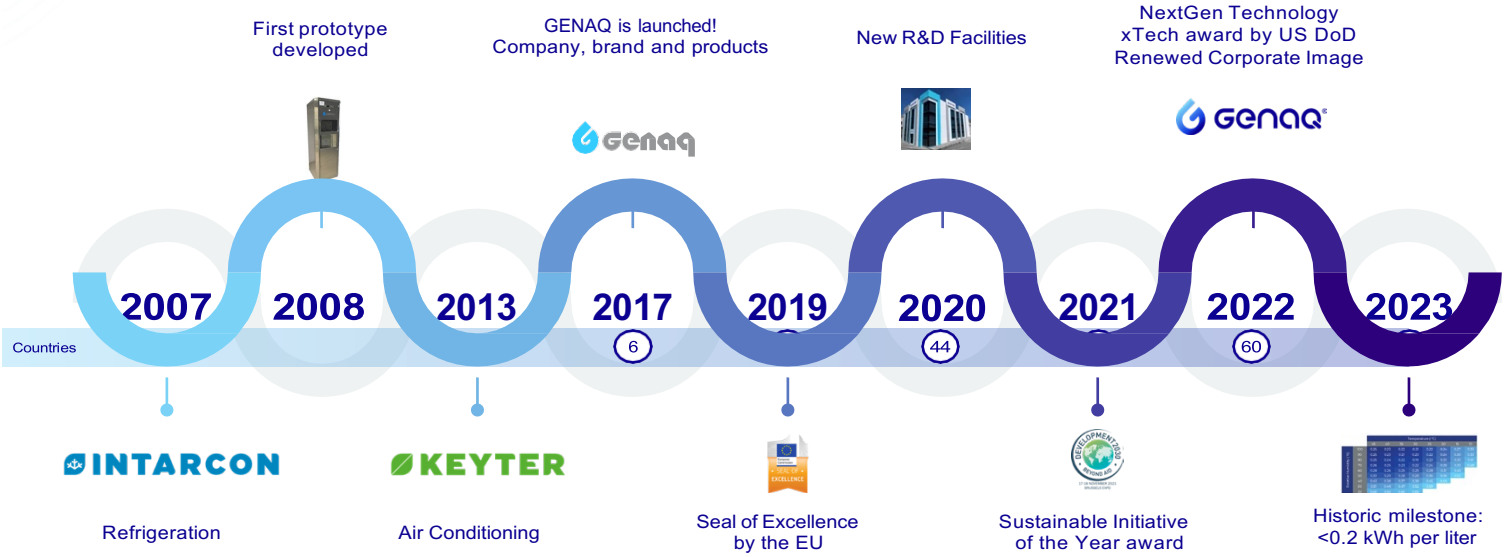
+35 years of experience in Industrial HVAC-R

+35k sqm of production facilities

+70 countries where we have supplied

A journey through our history

We are part of KEYTER GROUP with +35 years of experience in air conditioning and refrigeration solutions and +100M EUR in operating revenues. These resources ensure our financial and industrial capacity to face high production and quality requirements.

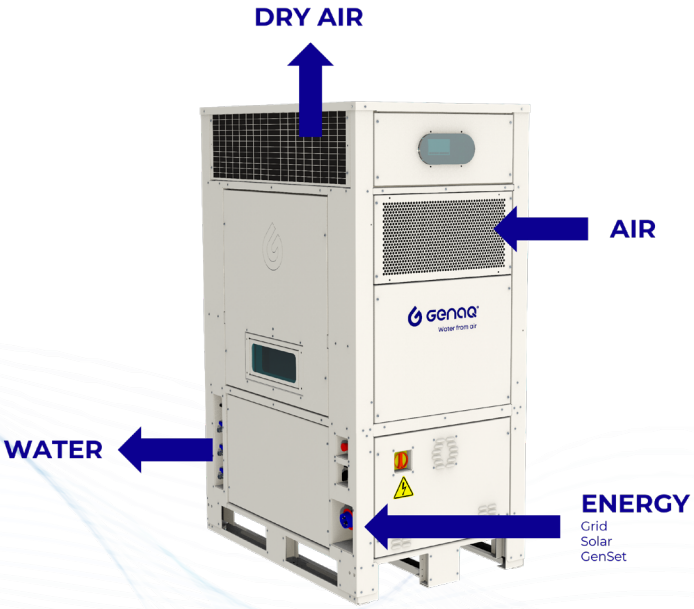


Our Technology

How AWG works

Atmospheric Water Generation replicates the natural process of rain.
It condenses air moisture using refrigeration technology.
Just air and energy are needed.

- High-level air filtration
- Efficient heat exchangers
- Optimized refrigeration system
- High-quality water treatment
- Advanced control + IoT



Benefits

Pure Water
Free of Chemicals
and Plastics

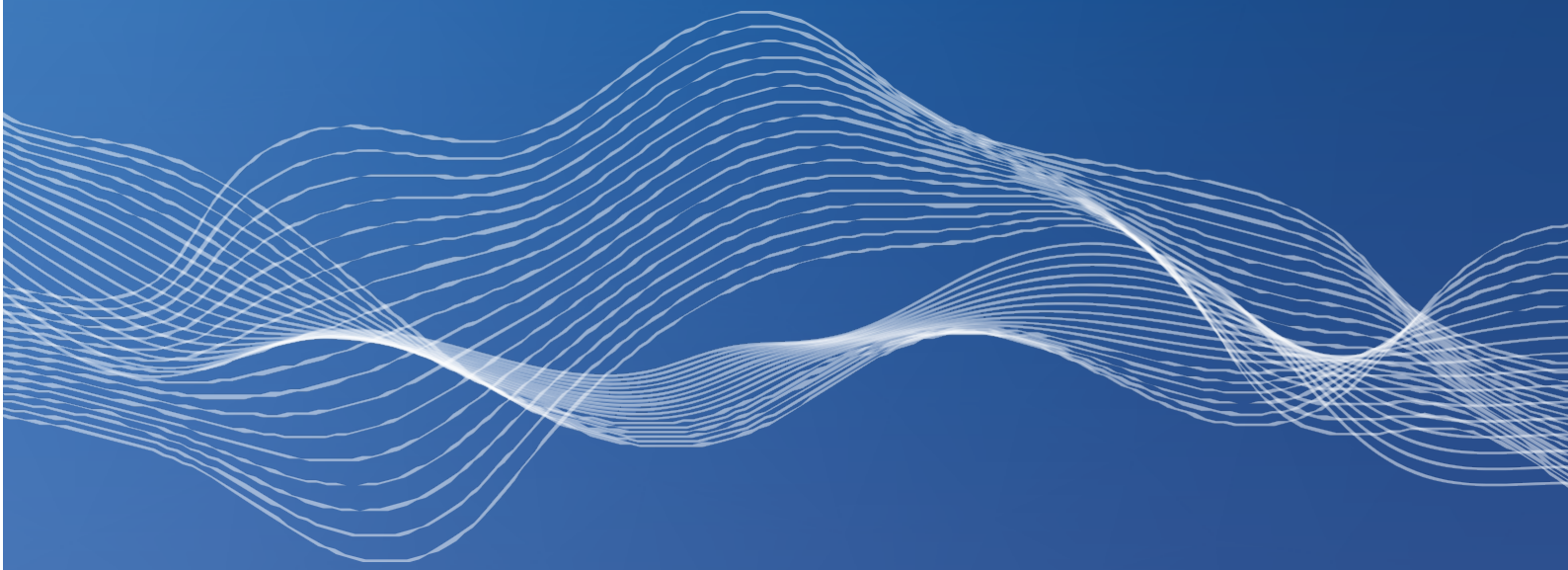
Efficiency
High generation + Low power =
Low cost per liter (< 0.2 kWh/liter)

Autonomy
Off-grid
No logistics

Sustainability
Zero waste
Preserves natural resources

Plug & Drink
No installation
Easy maintenance

Water anywhere you need



Why GENAQ?

GENAQ is recognized as a professional, high quality and high-efficiency brand in the AWG sector. This is the result of over 160 engineer-years spent in developing advanced knowledge in heat transfer, water treatment and control, to achieve the most reliable and efficient atmospheric water generators, becoming the preferred option for drinking water supply.

+35 years of experience

Own technology

Own manufacturing

Highest efficiency

Tested in Climate Chamber

Remote monitoring and control

Major Certifications

ISO 9001

Audited Performance (Generation vs T & RH)

CE Declaration of Conformity

Water Quality: EU, WHO, EPA...

EU Seal of Excellence

Major Awards

Applications

Commercial

Offices
Hotels
Restaurants
Homes
Hospitals
Public premises

Emergencies

Disaster Relief
Humanitarian Aid
Civilian Camps
Military Camps
Development Aid

Industrial

Industrial sector
Remote locations
Off grid buildings

Power plants
Mines & Oil rigs
Construction sites

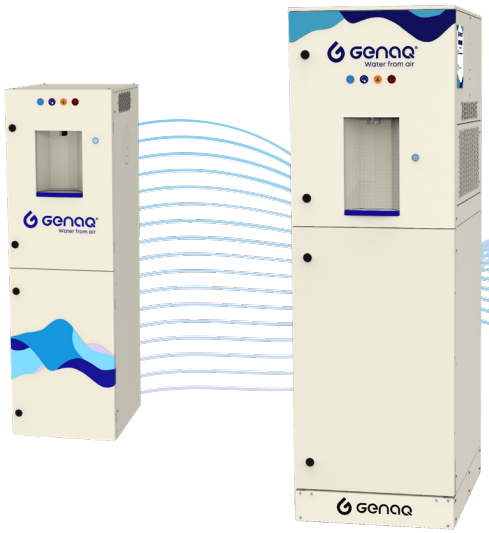
Large Scale

Residential water supply
Food industry
Bottling plants

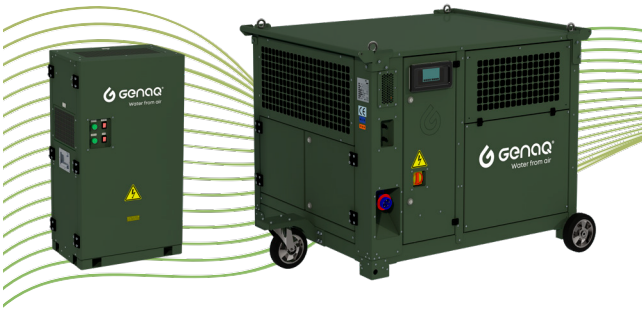
Industrial processes
Customized projects

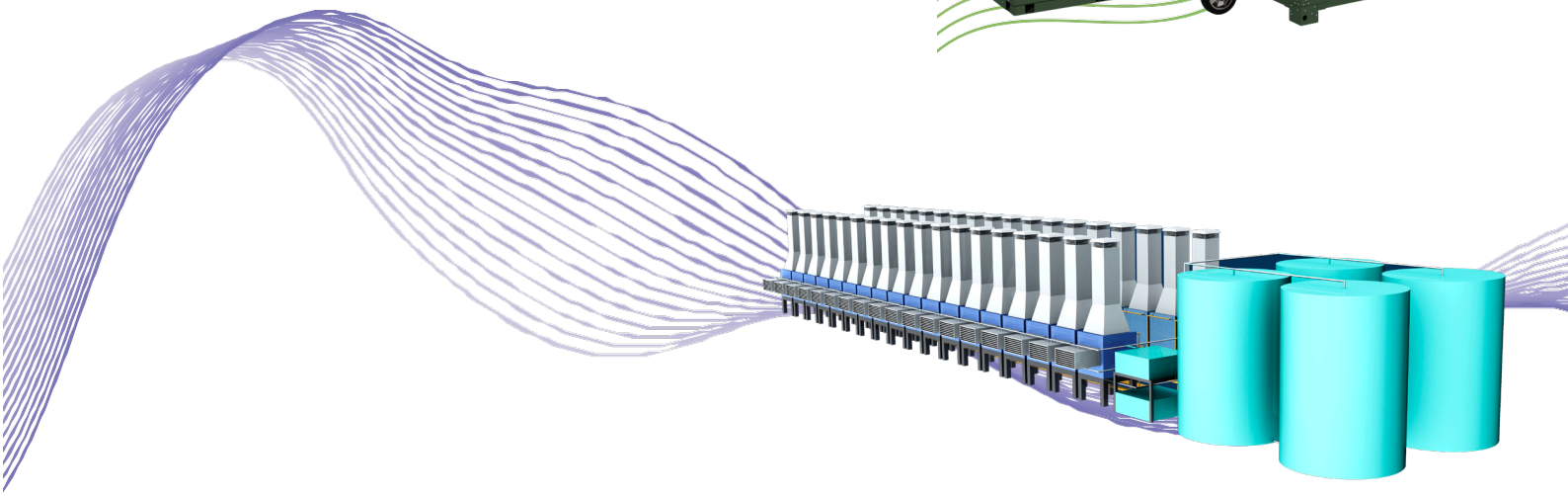
Solutions

STRATUS by GENAQ



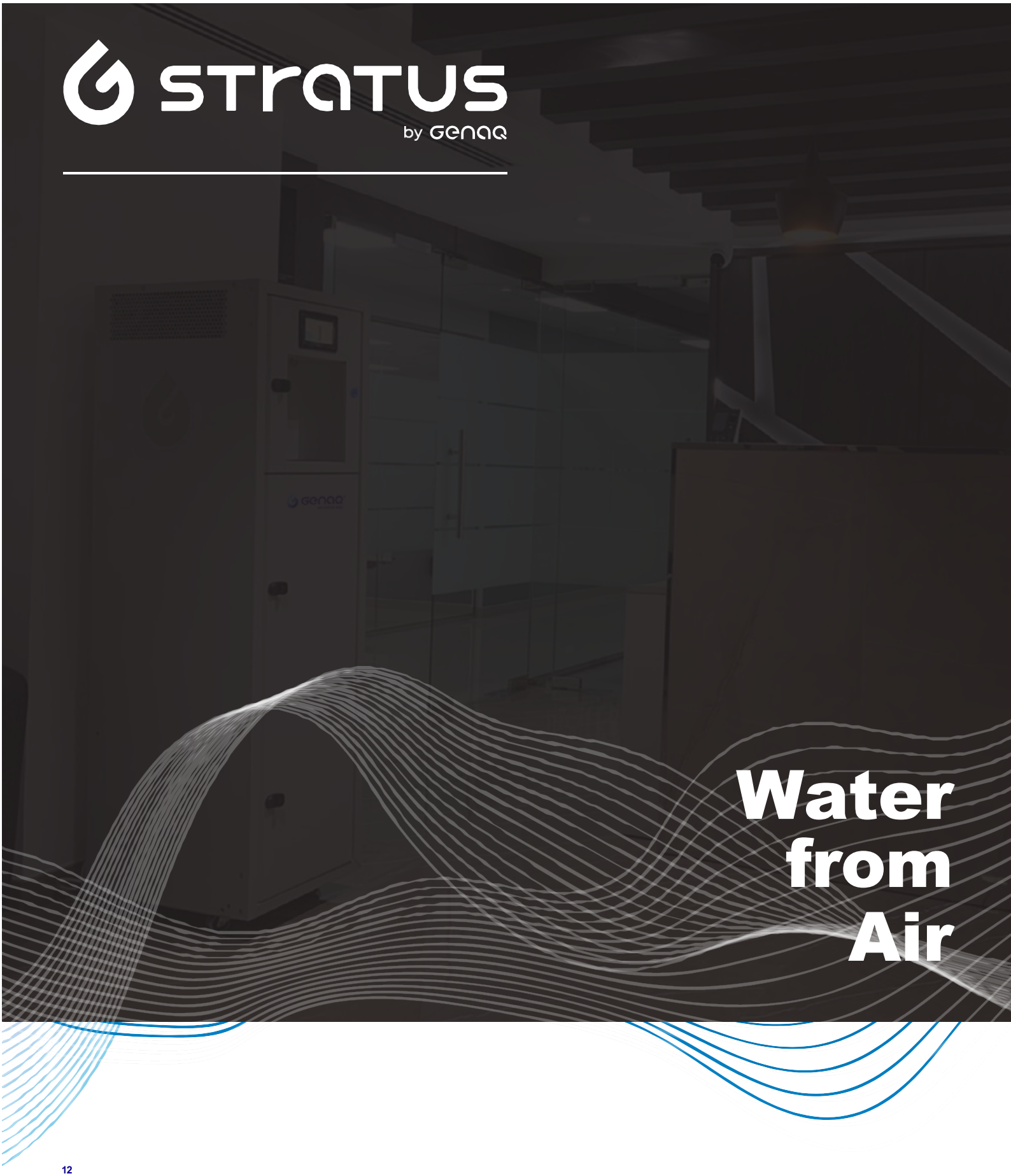
CUMULUS by GENAQ





NIMBUS
by GENAQ

AWG PLANT
by GENAQ


STRATUS
by GENAQ
Water
from
Air

stratus by genaq

GENAQ Stratus generators are designed in a water dispenser format to supply the purest water in public premises and homes.

Get rid of bottled water and generate your own water, at a low cost, free of chemicals and in a sustainable way.

APPLICATIONS

Offices
Hotels
Restaurants
Homes
Hospitals
Public premises
Etc.

AUQVIAN

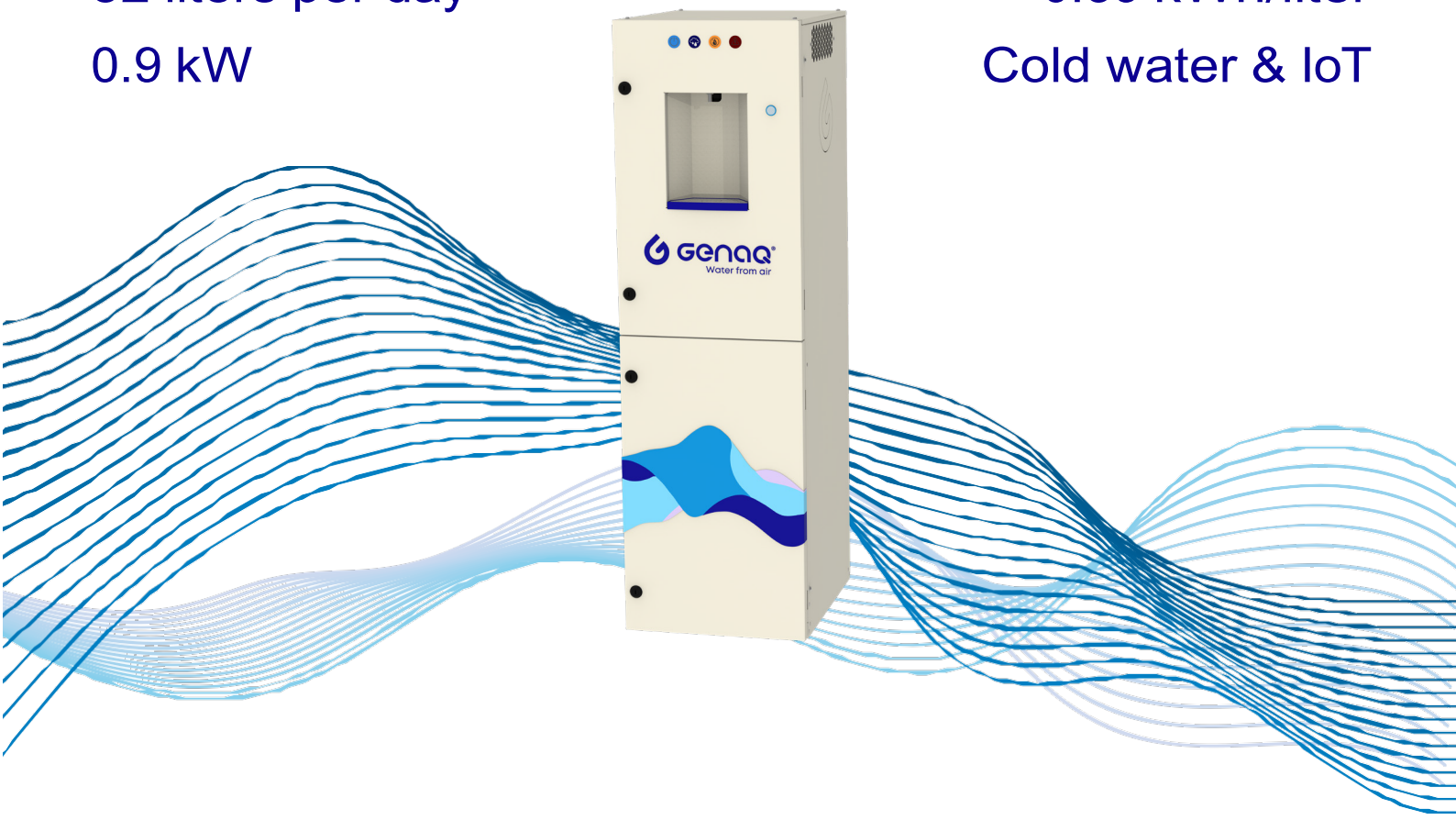
STRATUS S50 by GENAQ

52 liters per day

0.9 kW

0.39 kWh/liter

Cold water & IoT



Pure Water

Sustainability

Efficiency

Plug & Drink

Autonomy

Generation (liters per day)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	61	60	57	55	46	35	22	19
90	59	56	55	55	46	35	22	17
80	56	54	52	52	43	33	21	13
70	54	54	52	47	38	26	17	9
60	50	51	47	40	29	21	13	
50	43	43	37	29	22	15	7	
40	31	30	25	20	14	7		
30	20	19	15	11	6			
20	14	13	12	11				

Consumption (kWh per liter)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	0,49	0,47	0,46	0,42	0,47	0,57	0,76	0,80
90	0,47	0,45	0,42	0,39	0,46	0,52	0,69	0,80
80	0,45	0,42	0,41	0,39	0,44	0,50	0,67	0,94
70	0,42	0,40	0,39	0,41	0,45	0,57	0,73	1,25
60	0,42	0,40	0,41	0,44	0,53	0,65	0,87	
50	0,46	0,44	0,47	0,55	0,64	0,82	1,49	
40	0,62	0,59	0,64	0,72	0,89	1,53		
30	0,86	0,84	0,96	1,16	1,94			
20	1,10	1,10	1,15	1,20				

Data measured in Climate Chamber, audited and certified.
Generation may be affected by factors such as height, filter cleaning, wind, etc.

Features

GENAQ Stratus S50	Version	**3.9**
	Dimensions (Height x Width x Depth)	**1510 x 460 x 565 mm**
	Weight	**115 kg**
	Dimensions with reinforced packaging (Height x Width x Depth)	**1730 x 570 x 830 mm**
	Weight with reinforced packaging	**176 kg**
	Color	**White**
	Manufactured in galvanized steel sheet structure with polyester paint of high resistance to corrosion	
Performance	Nominal Generation, at 30 ºC and 80 % RH (±10 %)	**52 l/day**
	Nominal consumption per liter, at 30 ºC and 80 % RH (±10 %)	**0.39 kWh/l**
	Specific generation, at 23 ºC and 60 % RH (±10 %)	**29 l/day**
	Specific consumption per liter, at 23 ºC and 60 % RH (±10 %)	**0.53 kWh/l**
	Pressure sound level at 1m	**62 dB(A)**
Power Supply	Power Supply (Other Voltages Available)	**230V-I-50Hz**
	Nominal Power	**0.9 kW**
	Specific power	**0.7 kW**
	Plug/Socket	**Type F**
Refrigerant Circuit	Refrigerant	**R134a**
	Evaporation coil built in copper tubes and aluminum fins	
	Condensation coil built in copper tubes and aluminum fins	
Air Circuit	Nominal Air Flow	**350 m^3/h**
	Air Prefilter	**60 ppi prefilter**
	Air Filter	**F7 air filter**
Hydraulic Circuit	Food grade low density lineal polyethylene tube	
	Nominal Water Flow	**2 l/min**
	Internal Water Storage	**17 l**
	External Water Tank Compatibility	**No**
	Water Treatment	**Sediment Filter, Activated Carbon Filter, Ultrafiltration Filter, 2 x Zeolite Filter, Mineralization Filter and UV lamp**
Control and Electrical Circuit	Control	**Emerson PLC, Dixell IPG208D-10021**
	Display	**Operation indicators and access via Offline Control**
	IoT	**Included: Remote control via Ethernet, WIFI or M2M**
	Electrical and control panel with thermal, magnetothermal and differential protection	
	Safety, Alarms, Operating and Defrosting Cycles Control	
Safety Devices	Protection against refrigerant pressure abnormal levels for high and low pressure	
	Automatic resetting thermal protections in the compressor and motor fan	
	Protection fuses and electrical panel's general grounding	
Limits	Temperature Limits	**10 ºC to 45 ºC**
	Relative Humidity Limits	**10 % to 100 %**
	Storage Limit	**-15 ºC to 70 ºC**
Optional	Alternative Power Supply	Alternative Color
	Marine Environment	Solar Compatibility
	Consumables Kit	Spare Parts Kit
	WaterSanit	Plug/Socket Type
	Water Cooling/Heating	Frequency Variator

AUQVIAN

STRATUS S200

by GENAQ

202 liters per day

1.6 kW

0.19 kWh/liter

Cold Water & IoT

External tank compatible

Pure Water

Sustainability

Efficiency

Plug & Drink

Autonomy

Generation (liters per day)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	199	201	210	212	174	140	110	85
90	195	195	204	208	165	132	94	78
80	185	187	195	202	155	125	83	53
70	177	179	180	165	136	108	72	39
60	163	165	157	142	115	90	52	
50	134	145	139	119	87	69	39	
40	102	109	99	87	66	49		
30	80	85	78	59	45			
20	57	54	48	36				

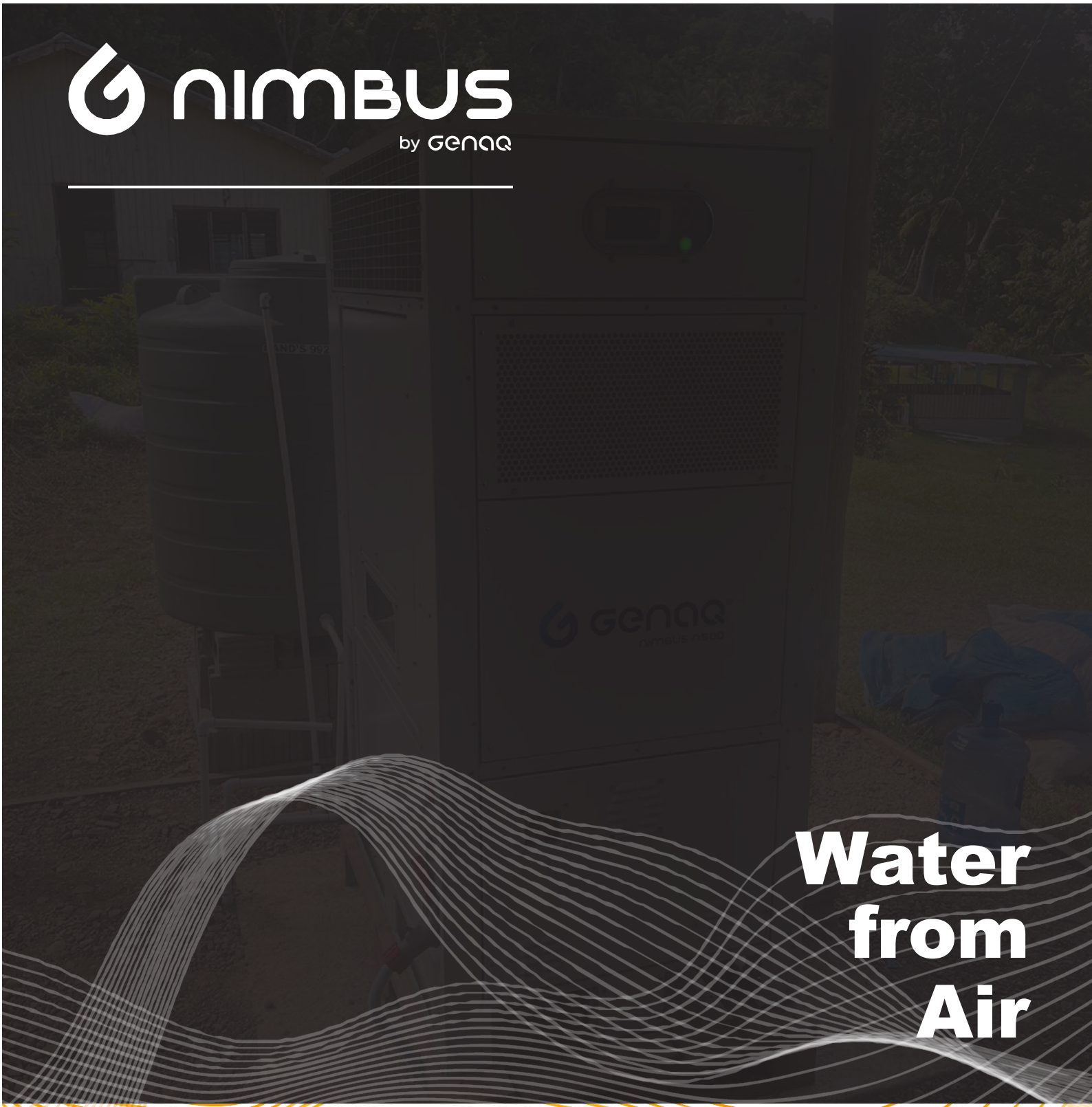
Consumption (kWh per liter)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	0,25	0,23	0,22	0,21	0,22	0,24	0,27	0,32
90	0,25	0,23	0,21	0,20	0,22	0,24	0,30	0,33
80	0,25	0,24	0,22	0,19	0,22	0,25	0,33	0,41
70	0,26	0,25	0,23	0,22	0,24	0,28	0,33	0,48
60	0,28	0,26	0,25	0,25	0,28	0,31	0,43	
50	0,33	0,29	0,28	0,28	0,36	0,37	0,51	
40	0,42	0,38	0,37	0,38	0,45	0,49		
30	0,51	0,47	0,46	0,53	0,59			
20	0,66	0,66	0,66	0,66				

Data measured in Climate Chamber, audited and certified.
Generation may be affected by factors such as height, filter cleaning, wind, etc.

Features

GENAQ Stratus S200	Version	**3.2**
	Dimensions (Height x Width x Depth)	**1880 x 600 x 760 mm**
	Weight	**261 kg**
	Dimensions with reinforced packaging (Height x Width x Depth)	**2092 x 770 x 1195 mm**
	Weight with reinforced packaging	**310 kg**
	Color	**White**
	Manufactured in galvanized steel sheet structure with polyester paint of high resistance to corrosion	
Performance	Nominal Generation, at 30 ºC and 80 % RH (±10 %)	**202 l/day**
	Nominal consumption per liter, at 30 ºC and 80 % RH (±10 %)	**0.19 kWh/l**
	Specific generation, at 25 ºC and 60 % RH (±10 %)	**115 l/day**
	Specific consumption per liter, at 25 ºC and 60 % RH (±10 %)	**0.28 kWh/l**
	Pressure sound level at 1m	**69 dB (A)**
Power Supply	Power Supply (Other Voltages Available)	**230V-I-50Hz**
	Nominal Power	**1.6 kW**
	Specific power	**1.4 kW**
	Plug/Socket	**Type F**
Refrigerant Circuit	Refrigerant	**R134a**
	Evaporation coil built in copper tubes and aluminum fins	
	Condensation coil built in copper tubes and aluminum fins	
Air Circuit	Nominal Air Flow	**F1: 750 m3/h ; F2: 1250 m3/h**
	Air Prefilter	**60 ppi prefilter**
	Air Filter	**F7 air filter**
Hydraulic Circuit	Food grade low density lineal polyethylene tube	
	Nominal Water Flow	**P1: 2 l/min ; P2: 2 l/min**
	Internal Water Storage	**17 l**
	External Water Tank Compatibility	**Maximum 200 l with recirculation**
	Water Treatment	**Sediment Filter, Activated Carbon Filter, Ultrafiltration Filter, 2 x Zeolite Filter, Mineralization Filter and UV lamp**
Control and Electrical Circuit	Control	**Emerson PLC, Dixell IPG208D-10021**
	Display	**Operation indicators and access via Offline Control**
	IoT	**Included: Remote control via Ethernet, WIFI or M2M**
	Electrical and control panel with thermal, magnetothermal and differential protection	
	Safety, Alarms, Operating and Defrosting Cycles Control	
Safety Devices	Protection against refrigerant pressure abnormal levels for high and low pressure	
	Automatic resetting thermal protections in the compressor and motor fan	
	Protection fuses and electrical panel's general grounding	
Limits	Temperature Limits	**10 ºC to 45 ºC**
	Relative Humidity Limits	**10 % to 100 %**
	Storage Limit	**-15 ºC to 70 ºC**
Optional	Alternative Power Supply	Alternative Color
	Marine Environment	Solar Compatibility
	Consumables Kit	Spare Parts Kit
	WaterSanit	Plug/Socket Type
	Water Cooling/Heating	Frequency Variator


NIMBUS
by GENAQ
Water
from
Air

AUQVIAN

NIMBUS by GENAQ

GENAQ Nimbus range ensures pure drinking water supply no matter where you are. Become autonomous and forget about logistics and complex installations at your premises.

These off-grid solutions will allow you to reduce your costs and your environmental impact.

APPLICATIONS

Industrial sector
Remote locations
Off grid buildings
Power plants
Mines & Oil rigs
Construction sites
Etc.

AUQVIAN

NIMBUS N500 by GENAQ

506 liters per day

0.24 kWh/liter

5.1 kW

External tank compatible

Pure Water

Sustainability

Efficiency

Plug & Drink

Autonomy

Generation (liters per day)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	415	431	458	482	339	261	211	151
90	420	441	470	493	351	280	219	150
80	413	453	482	506	371	284	221	114
70	405	428	420	434	313	247	186	84
60	363	378	384	356	271	218	121	
50	277	278	269	251	193	162	80	
40	212	198	189	166	147	95		
30	153	135	128	110	88			
20	122	104	84	65				

Consumption (kWh per liter)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	0,33	0,31	0,29	0,26	0,32	0,36	0,38	0,40
90	0,32	0,30	0,28	0,25	0,31	0,33	0,37	0,40
80	0,32	0,29	0,26	0,24	0,29	0,32	0,35	0,51
70	0,32	0,30	0,30	0,28	0,32	0,34	0,39	0,63
60	0,35	0,33	0,32	0,31	0,35	0,39	0,52	
50	0,45	0,44	0,42	0,41	0,43	0,44	0,64	
40	0,57	0,55	0,53	0,51	0,51	0,59		
30	0,68	0,68	0,68	0,65	0,62			
20	0,70	0,70	0,70	0,70				

Data measured in Climate Chamber, audited and certified.
Generation may be affected by factors such as height, filter cleaning, wind, etc.

Features

GENAQ Nimbus N500	Version	**4.3**
	Dimensions (Height x Width x Depth)	**1800 x 790 x 1180 mm**
	Weight	**380 kg**
	Dimensions with reinforced packaging (Height x Width x Depth)	**2350 x 915 x 1370 mm**
	Weight with reinforced packaging	**585 kg**
	Color	**White**
	Manufactured in galvanized steel sheet structure with polyester paint of high resistance to corrosion	
Performance	Nominal Generation, at 30 ºC and 80 % RH (±10 %)	**506 l/day**
	Nominal consumption per liter, at 30 ºC and 80 % RH (±10 %)	**0.24 kWh/l**
	Specific generation, at 23 ºC and 60 % RH (±10 %)	**271 l/day**
	Specific consumption per liter, at 23 ºC and 60 % RH (±10 %)	**0.35 kWh/l**
	Pressure sound level at 1m	**74 dB (A)**
Power Supply	Power Supply (Other Voltages Available)	**400V-III-50Hz**
	Nominal Power	**5.1 kW**
	Specific power	**4 kW**
	Plug/Socket	**32A 5-pin Socket**
Refrigerant Circuit	Refrigerant	**R134a**
	Evaporation coil built in copper tubes and aluminum fins	
	Condensation coil built in copper tubes and aluminum fins	
Air Circuit	Nominal Air Flow	**2000 m^3/h**
	Air Prefilter	**60 ppi prefilter**
	Air Filter	**F7 air filter**
Hydraulic Circuit	Food grade low density lineal polyethylene tube	
	Nominal Water Flow	**P1: 7.6 l/min ; P2: 7.6 l/min**
	Internal Water Storage	**18.5 l**
	External Water Tank Compatibility	**Maximum 600 l with recirculation**
	Water Treatment	**Sediment Prefilter, Sediment Filter, Activated Carbon Filter, Ultrafiltration Filter, Zeolite Filter, Mineralization Filter and UV lamp**
Control and Electrical Circuit	Control	**Emerson PLC, Dixell IPG208D-10021**
	Display	**VGIPG VISOGRAPH**
	IoT	**Included: Remote control via Ethernet, WIFI or M2M**
	Electrical and control panel with thermal, magnetothermal and differential protection	
	Safety, Alarms, Operating and Defrosting Cycles Control	
Safety Devices	Protection against refrigerant pressure abnormal levels for high and low pressure	
	Automatic resetting thermal protections in the compressor and motor fan	
	Protection fuses and electrical panel's general grounding	
Limits	Temperature Limits	**10 ºC to 45 ºC**
	Relative Humidity Limits	**10 % to 100 %**
	Storage Limit	**-15 ºC to 70 ºC**
Optional	Alternative Power Supply	Alternative Color
	Marine Environment	Solar Compatibility
	Consumables Kit	Spare Parts Kit
	Soft Starter	Chlorine Dosing Pump
	Frequency Variator	

NIMBUS N4500

by GENAQ

4445 liters per day

40.8 kW

0.22 kWh/liter

External tank compatible

Pure Water

Sustainability

Efficiency

Plug & Drink

Autonomy

Generation (liters per day)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	3855	3944	4143	4237	2744	2118	1713	1295
90	3845	3971	4168	4253	2832	2259	1765	1288
80	4068	4168	4370	4449	3104	2374	1850	1010
70	3825	3884	3755	3817	2615	2063	1585	648
60	3312	3379	3375	2976	2263	1822	1055	
50	2172	2259	2071	1932	1488	1280	662	
40	1549	1388	1326	1167	1052	706		
30	1075	944	901	799	659			
20	821	720	603	475				

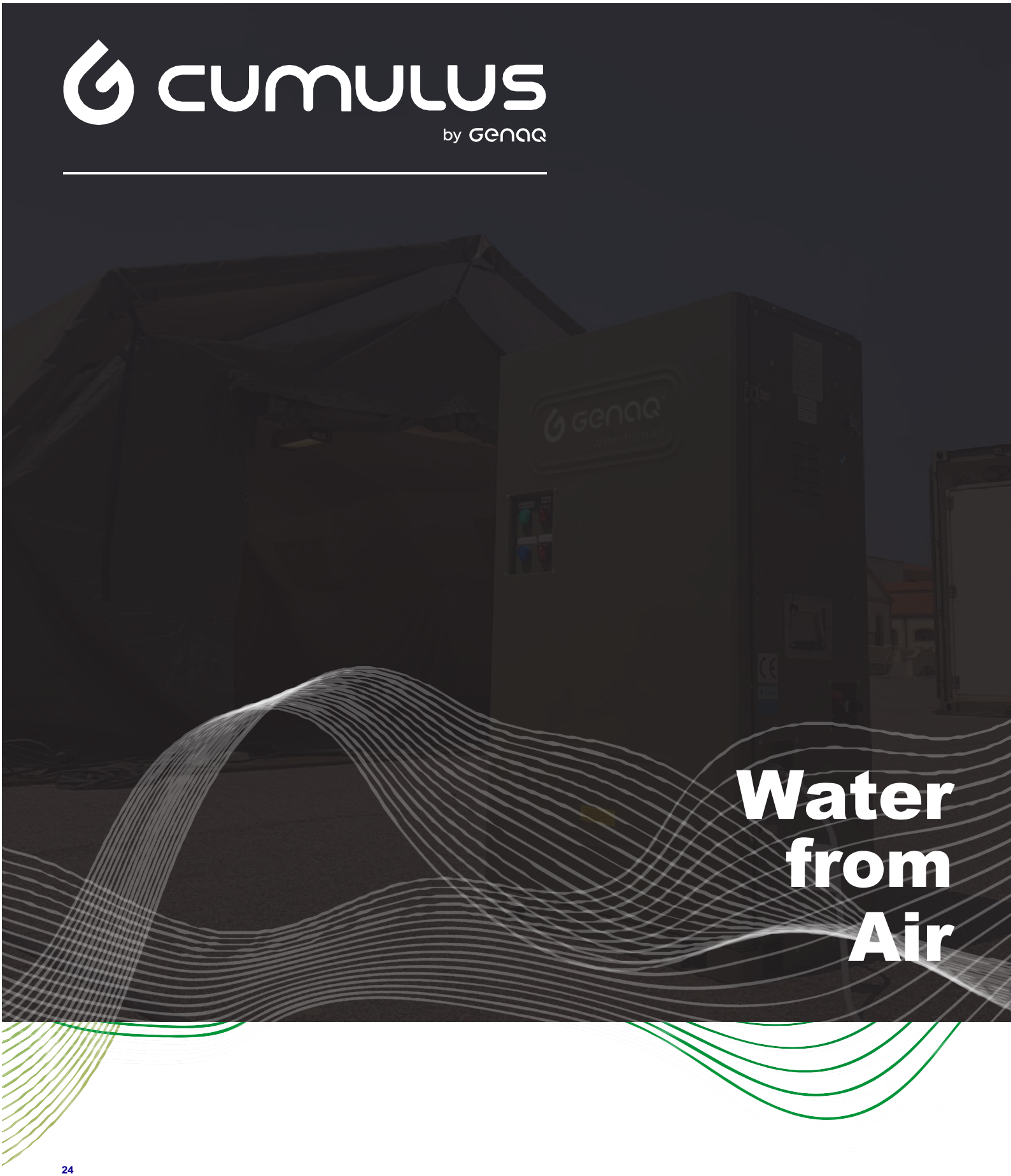
Consumption (kWh per liter)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	0,31	0,30	0,27	0,25	0,34	0,38	0,40	0,37
90	0,30	0,28	0,26	0,24	0,33	0,35	0,39	0,37
80	0,28	0,26	0,24	0,22	0,29	0,32	0,36	0,46
70	0,29	0,27	0,27	0,25	0,32	0,35	0,38	0,65
60	0,32	0,30	0,29	0,31	0,36	0,39	0,48	
50	0,47	0,44	0,46	0,45	0,47	0,46	0,61	
40	0,63	0,67	0,64	0,62	0,60	0,63		
30	0,82	0,82	0,82	0,74	0,66			
20	0,89	0,83	0,78	0,75				

Data measured in Climate Chamber, audited and certified.
Generation may be affected by factors such as height, filter cleaning, wind, etc.

Features

GENAQ Nimbus N4500	Version	**4.0**
	Dimensions (Height x Width x Depth)	**2170 x 2380 x 3420 mm**
	Weight	**2200 kg**
	Dimensions with reinforced packaging (Height x Width x Depth)	**No**
	Weight with reinforced packaging	**No**
	Color	**White**
	Manufactured in galvanized steel sheet structure with polyester paint of high resistance to corrosion	
Performance	Nominal Generation, at 30 ºC and 80 % RH (±10 %)	**4445 l/day**
	Nominal consumption per liter, at 30 ºC and 80 % RH (±10 %)	**0.22 kWh/l**
	Specific generation, at 23 ºC and 60 % RH (±10 %)	**2263 l/day**
	Specific consumption per liter, at 23 ºC and 60 % RH (±10 %)	**0.36 kWh/l**
	Pressure sound level at 1m	**74 dB (A)**
Power Supply	Power Supply (Other Voltages Available)	**400V-III-50Hz**
	Nominal Power	**40.8 kW**
	Specific power	**34 kW**
	Plug/Socket	**Direct Connection (3x70 + N + T mm2)**
Refrigerant Circuit	Refrigerant	**R134a**
	Evaporation coil built in copper tubes and aluminum fins	
	Condensation coil built in copper tubes and aluminum fins	
Air Circuit	Nominal Air Flow	**F1: 7000 m^3/h ; F2: 7000 m^3/h ; F3: 7000 m^3/h**
	Air Prefilter	**60 ppi prefilter**
	Air Filter	**F7 air filter**
Hydraulic Circuit	Food grade low density lineal polyethylene tube	
	Nominal Water Flow	**P1: 25 l/min ; P2: 25 l/min**
	Internal Water Storage	**120 l**
	External Water Tank Compatibility	**Maximum 2000 l with recirculation**
	Water Treatment	**Sediment Filter (three steps), Activated Carbon, Mineralization, Chlorine Dosing and UV lamp**
Control and Electrical Circuit	Control	**Emerson PLC, Dixell IPG215D-12100**
	Display	**VGIPG VISOGRAPH**
	IoT	**Included: Remote control via Ethernet, WIFI or M2M**
	Electrical and control panel with thermal, magnetothermal and differential protection	
	Safety, Alarms, Operating and Defrosting Cycles Control	
Safety Devices	Protection against refrigerant pressure abnormal levels for high and low pressure	
	Automatic resetting thermal protections in the compressor and motor fan	
	Protection fuses and electrical panel's general grounding	
Limits	Temperature Limits	**10 ºC to 45 ºC**
	Relative Humidity Limits	**10 % to 100 %**
	Storage Limit	**-15 ºC to 70 ºC**
Optional	Alternative Power Supply	Alternative Color
	Marine Environment	Solar Compatibility
	Consumables Kit	Spare Parts Kit
	20ft Container Adaptation	Frequency Variator


CUMULUS
by GENAQ
Water
from
Air

cumulus by GENAQ

GENAQ Cumulus generators are designed with reinforced structure and portability features, to supply high-quality drinking water.

Become independent from any uncontrolled water source and ensure your drinking water availability in any situation.

APPLICATIONS

Disaster Relief
Humanitarian Aid
Civilian Camps
Military Camps
Development Aid
Etc.

AUQVIAN

cumulus C50

by genaq

52 liters per day
0.9 kW

0.42 kWh/liter
Compact and portable

Pure Water

Sustainability

Efficiency

Plug & Drink

Autonomy

Generation (liters per day)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	55	55	58	57	36	28	22	17
90	54	54	56	56	37	29	23	15
80	53	53	55	52	38	29	23	12
70	51	49	47	44	32	25	19	9
60	42	42	41	36	28	22	12	
50	31	29	28	26	20	17	8	
40	21	19	19	16	14	9		
30	17	14	13	11	9			
20	13	12	12	8				

Consumption (kWh per liter)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	0,55	0,52	0,48	0,44	0,54	0,60	0,64	0,67
90	0,53	0,51	0,47	0,43	0,53	0,57	0,62	0,67
80	0,52	0,49	0,46	0,42	0,49	0,55	0,61	0,80
70	0,52	0,51	0,51	0,48	0,55	0,59	0,67	1,06
60	0,60	0,57	0,55	0,53	0,61	0,67	0,89	
50	0,77	0,74	0,70	0,68	0,72	0,74	1,07	
40	1,01	0,99	0,95	0,92	0,92	1,06		
30	1,16	1,16	1,16	1,11	1,05			
20	1,30	1,30	1,30	1,30				

Data measured in Climate Chamber, audited and certified.
Generation may be affected by factors such as height, filter cleaning, wind, etc.

Features

GENAQ Cumulus C50	Version	**2.1**
	Dimensions (Height x Width x Depth)	**1050 x 390 x 575 mm**
	Weight	**70 kg**
	Dimensions with reinforced packaging (Height x Width x Depth)	**1400 x 550 x 750 mm**
	Weight with reinforced packaging	**133 kg**
	Color	**Green**
	Manufactured in galvanized steel sheet structure with polyester paint of high resistance to corrosion	
Performance	Nominal Generation, at 30 ºC and 80 % RH (±10 %)	**52 l/day**
	Nominal consumption per liter, at 30 ºC and 80 % RH (±10 %)	**0.42 kWh/l**
	Specific generation, at 23 ºC and 60 % RH (±10 %)	**28 l/day**
	Specific consumption per liter, at 23 ºC and 60 % RH (±10 %)	**0.61 kWh/l**
	Pressure sound level at 1m	**72.7 dB (A)**
Power Supply	Power Supply (Other Voltages Available)	**230V-I-50Hz**
	Nominal Power	**1 kW**
	Specific power	**0.8 kW**
	Plug/Socket	**Type F**
Refrigerant Circuit	Refrigerant	**R134a**
	Evaporation coil built in copper tubes and aluminum fins	
	Condensation coil built in copper tubes and aluminum fins	
Air Circuit	Nominal Air Flow	**F1: 150 m^3/h ; F2: 150 m^3/h**
	Air Prefilter	**No**
	Air Filter	**M5 air filter**
Hydraulic Circuit	Food grade low density lineal polyethylene tube	
	Nominal Water Flow	**1 l/min**
	Internal Water Storage	**9 l**
	External Water Tank Compatibility	**No**
	Water Treatment	**Sediment Filter, Activated Carbon Filter, Ultrafiltration Filter, Zeolite Filter, Mineralization Filter and UV lamp**
Control and Electrical Circuit	Control	**Emerson DCS, Dixell XW60VS**
	Display	**Operation indicators and access via internal display**
	IoT	**No**
	Electrical and control panel with thermal, magnetothermal and differential protection	
	Safety, Alarms, Operating and Defrosting Cycles Control	
Safety Devices	Protection against refrigerant pressure abnormal levels for high and low pressure	
	Automatic resetting thermal protections in the compressor and motor fan	
	Protection fuses and electrical panel's general grounding	
Limits	Temperature Limits	**10 ºC to 45 ºC**
	Relative Humidity Limits	**10 % to 100 %**
	Storage Limit	**-15 ºC to 70 ºC**
Optional	Alternative Power Supply	Alternative Color
	Marine Environment	Solar Compatibility
	Consumables Kit	Spare Parts Kit
	Plug/Socket Type	

AUQVIAN

CUMULUS C500

by GENAQ

502 liters per day
5.5 kW

0.26 kWh/liter
External tank compatible

Pure Water

Sustainability

Efficiency

Plug & Drink

Autonomy

Generation (liters per day)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	451	462	492	518	364	281	227	165
90	436	454	483	509	361	288	225	165
80	429	446	475	502	366	280	218	120
70	398	422	415	427	308	243	183	86
60	360	373	379	351	267	215	119	
50	254	275	264	247	190	160	79	
40	179	177	169	149	132	85		
30	124	121	115	99	79			
20	98	93	86	76				

Consumption (kWh per liter)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	0,33	0,31	0,29	0,26	0,32	0,36	0,38	0,45
90	0,33	0,31	0,29	0,26	0,32	0,35	0,38	0,45
80	0,33	0,31	0,29	0,26	0,31	0,35	0,38	0,56
70	0,35	0,32	0,32	0,30	0,35	0,37	0,42	0,70
60	0,38	0,36	0,35	0,34	0,38	0,42	0,56	
50	0,52	0,48	0,46	0,44	0,47	0,48	0,70	
40	0,67	0,66	0,64	0,61	0,61	0,71		
30	0,83	0,82	0,82	0,78	0,74			
20	0,98	0,98	0,98	0,95				

Generation may be affected by factors such as height, filter cleaning, wind, etc
Data measured in Climate Chamber, audited and certified.

Features

GENAQ Cumulus C500	Version	**3.4**
	Dimensions (Height x Width x Depth)	**1110 x 1095 x 1300 mm**
	Weight	**337 kg**
	Dimensions with reinforced packaging (Height x Width x Depth)	**1575 x 1240 x 1550 mm**
	Weight with reinforced packaging	**555 kg**
	Color	**Green**
	Manufactured in galvanized steel sheet structure with polyester paint of high resistance to corrosion	
Performance	Nominal Generation, at 30 ºC and 80 % RH (±10 %)	**502 l/day**
	Nominal consumption per liter, at 30 ºC and 80 % RH (±10 %)	**0.26 kWh/l**
	Specific generation, at 23 ºC and 60 % RH (±10 %)	**267 l/day**
	Specific consumption per liter, at 23 ºC and 60 % RH (±10 %)	**0.38 kWh/l**
	Pressure sound level at 1m	**74 dB (A)**
Power Supply	Power Supply (Other Voltages Available)	**400V-III-50Hz**
	Nominal Power	**5.5 kW**
	Specific power	**4.3 kW**
	Plug/Socket	**32A 5-pin Socket**
Refrigerant Circuit	Refrigerant	**R134a**
	Evaporation coil built in copper tubes and aluminum fins	
	Condensation coil built in copper tubes and aluminum fins	
Air Circuit	Nominal Air Flow	**2000 m^3/h**
	Air Prefilter	**60 ppi prefilter**
	Air Filter	**F7 air filter**
Hydraulic Circuit	Food grade low density lineal polyethylene tube	
	Nominal Water Flow	**P1: 7.6 l/min ; P2: 7.6 l/min**
	Internal Water Storage	**14 l**
	External Water Tank Compatibility	**Maximum 600 l with recirculation**
	Water Treatment	**Sediment Prefilter, Sediment Filter, Activated Carbon Filter, Ultrafiltration Filter, Zeolite Filter, Mineralization Filter and UV lamp**
Control and Electrical Circuit	Control	**Emerson PLC, Dixell IPG208D-10021**
	Display	**VGIPG VISOGRAPH**
	IoT	**Included: Remote control via Ethernet, WIFI or M2M**
	Electrical and control panel with thermal, magnetothermal and differential protection	
	Safety, Alarms, Operating and Defrosting Cycles Control	
Safety Devices	Protection against refrigerant pressure abnormal levels for high and low pressure	
	Automatic resetting thermal protections in the compressor and motor fan	
	Protection fuses and electrical panel's general grounding	
Limits	Temperature Limits	**10 ºC to 45 ºC**
	Relative Humidity Limits	**10 % to 100 %**
	Storage Limit	**-15 ºC to 70 ºC**
Optional	Alternative Power Supply	Alternative Color
	Marine Environment	Solar Compatibility
	Consumables Kit	Spare Parts Kit
	Soft Starter	Chlorine Dosing Pump
	Frequency Variator	

AUQVIAN

cumulus C5000

by genaq

5091 liters per day

0.26 kWh/liter

55.2 kW

External tank compatible

Pure Water

Sustainability

Efficiency

Plug & Drink

Autonomy

Generation (liters per day)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	4411	4513	4741	4848	3305	2552	2063	1471
90	4400	4544	4769	4867	3411	2721	2126	1462
80	4655	4769	5000	5091	3739	2859	2229	1143
70	4376	4444	4296	4368	3150	2485	1870	727
60	3789	3867	3862	3585	2726	2195	1215	
50	2486	2585	2495	2328	1793	1505	744	
40	1773	1671	1597	1406	1245	800		
30	1295	1137	1085	932	742			
20	989	841	683	526				

Consumption (kWh per liter)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	0,37	0,35	0,32	0,30	0,36	0,41	0,43	0,45
90	0,36	0,34	0,31	0,29	0,35	0,38	0,42	0,45
80	0,33	0,31	0,29	0,26	0,31	0,35	0,38	0,56
70	0,34	0,32	0,32	0,30	0,35	0,37	0,42	0,80
60	0,38	0,36	0,35	0,34	0,38	0,42	0,56	
50	0,56	0,52	0,49	0,48	0,51	0,52	0,75	
40	0,75	0,72	0,69	0,66	0,66	0,77		
30	0,88	0,88	0,88	0,85	0,81			
20	0,95	0,95	0,95	0,95				

Data measured in Climate Chamber, audited and certified.
Generation may be affected by factors such as height, filter cleaning, wind, etc.

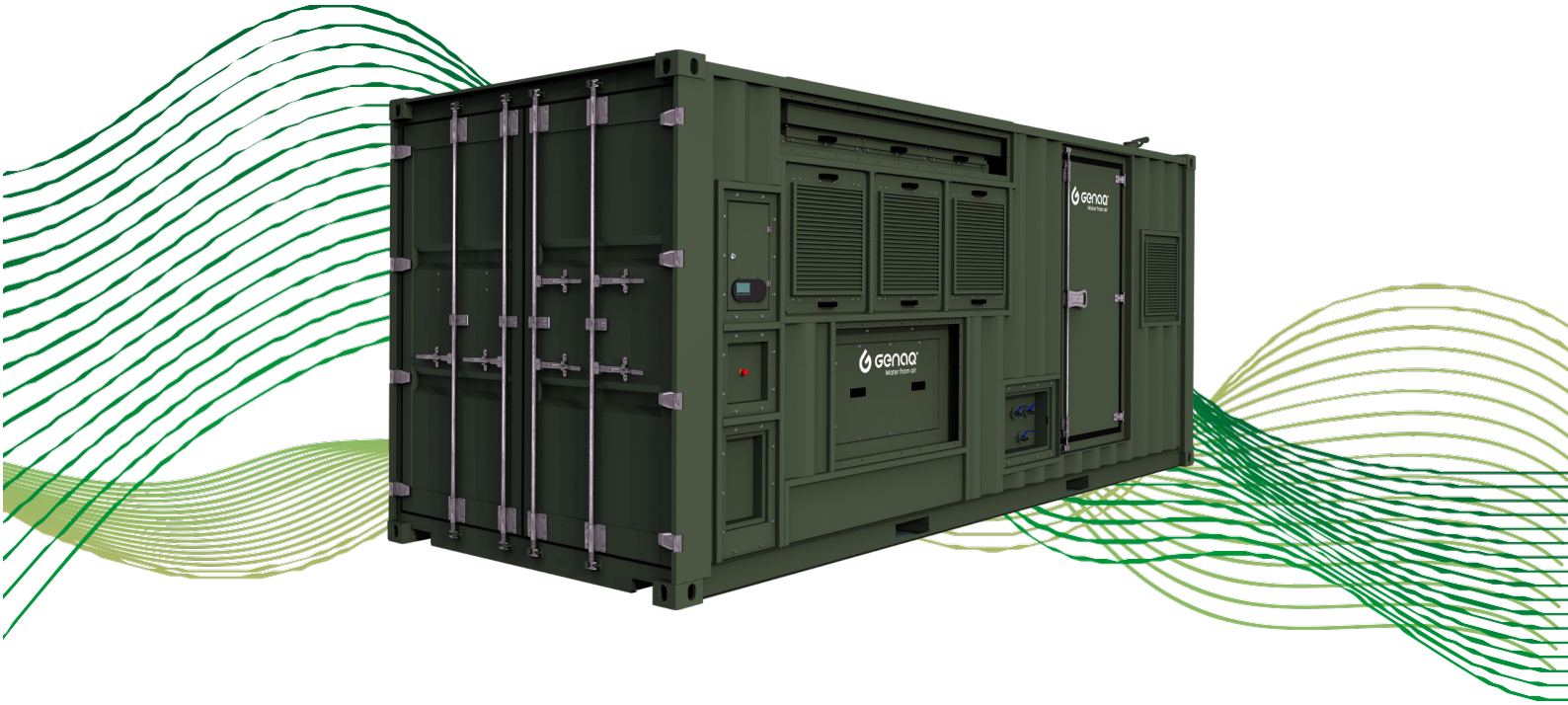
Features

GENAQ Cumulus C5000	Version	**4.1**
	Dimensions (Height x Width x Depth)	**2190 x 2310 x 4790 mm**
	Weight	**8000 kg**
	Dimensions with reinforced packaging (Height x Width x Depth)	**2600 x 2240 x 6060 mm**
	Weight with reinforced packaging	**10500 kg**
	Color	**Green**
	Manufactured in galvanized steel sheet structure with polyester paint of high resistance to corrosion	
Performance	Nominal Generation, at 30 ºC and 80 % RH (±10 %)	**5091 l/day**
	Nominal consumption per liter, at 30 ºC and 80 % RH (±10 %)	**0.26 kWh/l**
	Specific generation, at 23 ºC and 60 % RH (±10 %)	**2726 l/day**
	Specific consumption per liter, at 23 ºC and 60 % RH (±10 %)	**0.38 kWh/l**
	Pressure sound level at 1m	**74 dB (A)**
Power Supply	Power Supply (Other Voltages Available)	**400V-III-50Hz**
	Nominal Power	**55.2 kW**
	Specific power	**43.2 kW**
	Plug/Socket	**Direct Connection (3x70 + N + T mm2)**
Refrigerant Circuit	Refrigerant	**R134a**
	Evaporation coil built in copper tubes and aluminum fins	
	Condensation coil built in copper tubes and aluminum fins	
Air Circuit	Nominal Air Flow	**F1: 7000 m^3/h ; F2: 7000 m^3/h ; F3: 7000 m^3/h**
	Air Prefilter	**60 ppi prefilter**
	Air Filter	**F7 air filter**
Hydraulic Circuit	Food grade low density lineal polyethylene tube	
	Nominal Water Flow	**P1: 25 l/min ; P2: 25 l/min**
	Internal Water Storage	**120 l**
	External Water Tank Compatibility	**Maximum 2000 l with recirculation**
	Water Treatment	**Sediment Filter (three steps), Activated Carbon, Zeolite, Mineralization, Chlorine Dosing and UV lamp**
Control and Electrical Circuit	Control	**Emerson PLC, Dixell IPG215D-12100**
	Display	**VGIPG VISOGRAPH**
	IoT	**Included: Remote control via Ethernet, WIFI or M2M**
	Electrical and control panel with thermal, magnetothermal and differential protection	
	Safety, Alarms, Operating and Defrosting Cycles Control	
Safety Devices	Protection against refrigerant pressure abnormal levels for high and low pressure	
	Automatic resetting thermal protections in the compressor and motor fan	
	Protection fuses and electrical panel's general grounding	
Limits	Temperature Limits	**10 ºC to 45 ºC**
	Relative Humidity Limits	**10 % to 100 %**
	Storage Limit	**-15 ºC to 70 ºC**
Optional	Alternative Power Supply	Alternative Color
	Marine Environment	Solar Compatibility
	Consumables Kit	Spare Parts Kit
	20ft Container Adaptation	Power Unit
	Frequency Variator	

AUQVIAN

CUMULUS C5000-CO

by GENAQ



5091 liters per day

55.2 kW

20ft integrated solution

0.26 kWh/liter

External tank compatible

2000-liter internal tank

Pure Water | Sustainability | Efficiency | Plug & Drink | Autonomy

Generation (liters per day)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	4411	4513	4741	4848	3305	2552	2063	1471
90	4400	4544	4769	4867	3411	2721	2126	1462
80	4655	4769	5000	5091	3739	2859	2229	1143
70	4376	4444	4296	4368	3150	2485	1870	727
60	3789	3867	3862	3585	2726	2195	1215	
50	2486	2585	2495	2328	1793	1505	744	
40	1773	1671	1597	1406	1245	800		
30	1295	1137	1085	932	742			
20	989	841	683	526				

Consumption (kWh per liter)

Relative Humidity [%]	Temperature [°C]							
	45	40	35	30	25	20	15	10
100	0,37	0,35	0,32	0,30	0,36	0,41	0,43	0,45
90	0,36	0,34	0,31	0,29	0,35	0,38	0,42	0,45
80	0,33	0,31	0,29	0,26	0,31	0,35	0,38	0,56
70	0,34	0,32	0,32	0,30	0,35	0,37	0,42	0,80
60	0,38	0,36	0,35	0,34	0,38	0,42	0,56	
50	0,56	0,52	0,49	0,48	0,51	0,52	0,75	
40	0,75	0,72	0,69	0,66	0,66	0,77		
30	0,88	0,88	0,88	0,85	0,81			
20	0,95	0,95	0,95	0,95				

Data measured in Climate Chamber, audited and certified.
Generation may be affected by factors such as height, filter cleaning, wind, etc.

Features

GENAQ Cumulus C5000	Version	**4.1-CO**
	Dimensions (Height x Width x Depth)	**2600 x 2240 x 6060 mm (20ft container)**
	Weight	**Generator: 8000 kg With PU optional: 10000 kg**
	Dimensions with reinforced packaging (Height x Width x Depth)	**2600 x 2240 x 6060 mm**
	Weight with reinforced packaging	**10000 kg**
	Color	**Green**
	Manufactured in galvanized steel sheet structure with polyester paint of high resistance to corrosion	
Performance	Nominal Generation, at 30 ºC and 80 % RH (±10 %)	**5091 l/day**
	Nominal consumption per liter, at 30 ºC and 80 % RH (±10 %)	**0.26 kWh/l**
	Specific generation, at 23 ºC and 60 % RH (±10 %)	**2726 l/day**
	Specific consumption per liter, at 23 ºC and 60 % RH (±10 %)	**0.38 kWh/l**
	Pressure sound level at 1m	**74 dB(A)**
Power Supply	Power Supply (Other Voltages Available)	**400V-III-50Hz**
	Nominal Power	**55.2 kW**
	Specific power	**43.2 kW**
	Plug/Socket	**Direct Connection (3 x 70 + N + T mm²)**
Refrigerant Circuit	Refrigerant	**R134a**
	Evaporation coil built in copper tubes and aluminum fins	
	Condensation coil built in copper tubes and aluminum fins	
Air Circuit	Nominal Air Flow	**F1: 7000 m³/h ; F2: 7000 m³/h ; F3: 7000 m³/h**
	Air Prefilter	**60 ppi prefilter**
	Air Filter	**F7 air filter**
Hydraulic Circuit	Food grade low density lineal polyethylene tube	
	Nominal Water Flow	**P1: 25 l/min ; P2: 25 l/min**
	Internal Water Storage	**120 l**
	External Water Tank Compatibility	**Maximum 2000 l with recirculation**
	Water Treatment	**Sediment Filter (three steps), Activated Carbon, Zeolite, Mineralization, Chlorine Dosing and UV lamp**
Control and Electrical Circuit	Control	**Emerson PLC, Dixell IPG215D-12100**
	Display	**VGIPG VISOGRAPH**
	IoT	**Included: Remote control via Ethernet, WIFI or M2M**
	Electrical and control panel with thermal, magnetothermal and differential protection	
	Safety, Alarms, Operating and Defrosting Cycles Control	
Safety Devices	Protection against refrigerant pressure abnormal levels for high and low pressure	
	Automatic resetting thermal protections in the compressor and motor fan	
	Protection fuses and electrical panel's general grounding	
Limits	Temperature Limits	**10 ºC to 45 ºC**
	Relative Humidity Limits	**10 % to 100 %**
	Storage Limit	**-15 ºC to 70 ºC**
Optional	Alternative Power Supply	Alternative Color
	Marine Environment	Solar Compatibility
	Consumables Kit	Spare Parts Kit
	Integrated Power Unit	Frequency Variator

AWG PLANT

by GENAQ

Water from Air

AWG PLANT
by GENAQ

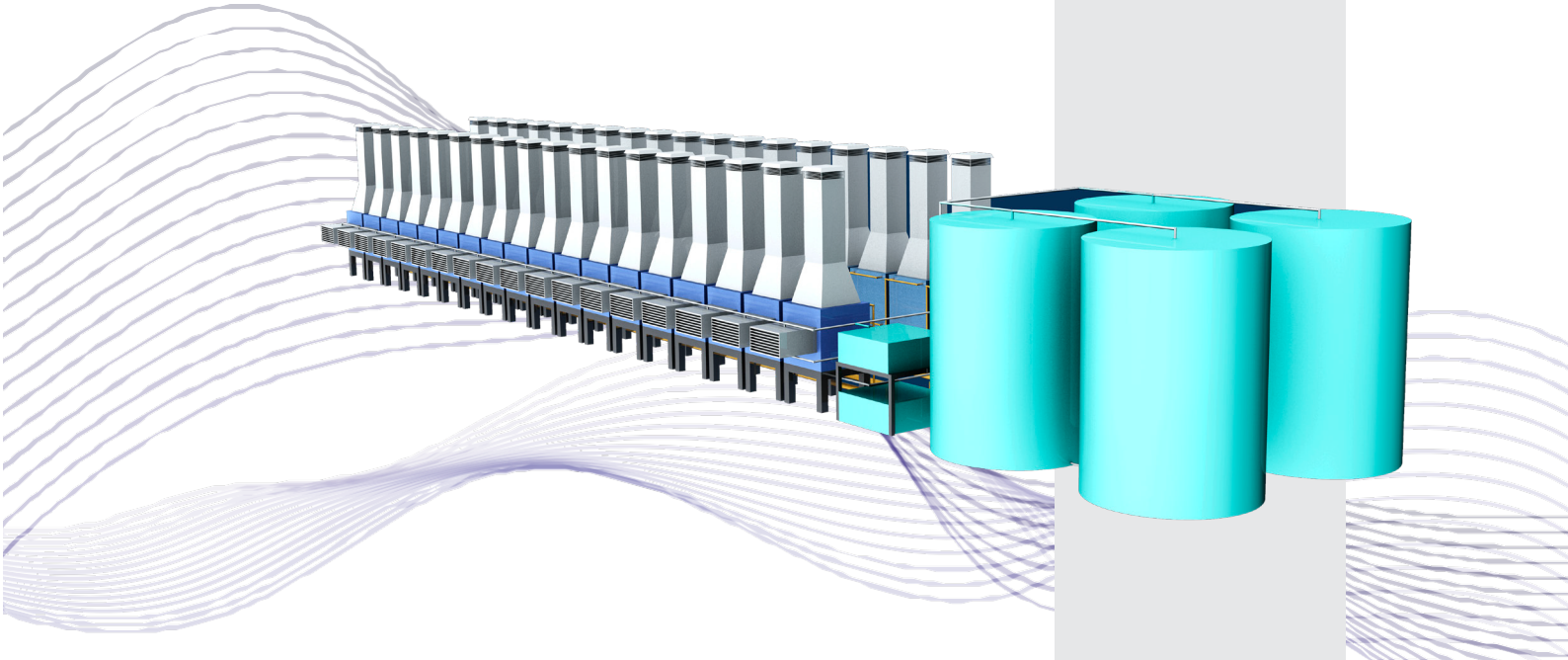
A tailored project to offer a solution for larger high-quality water needs for residential water supply, bottling plants, industrial processes, etc.

This solution has been optimized for both low investment and operating cost per liter.

Starting from 100,000 liter per day up to more than 1,500,000 liters per day. GENAQ works in these customized projects to cover your specific requirements.

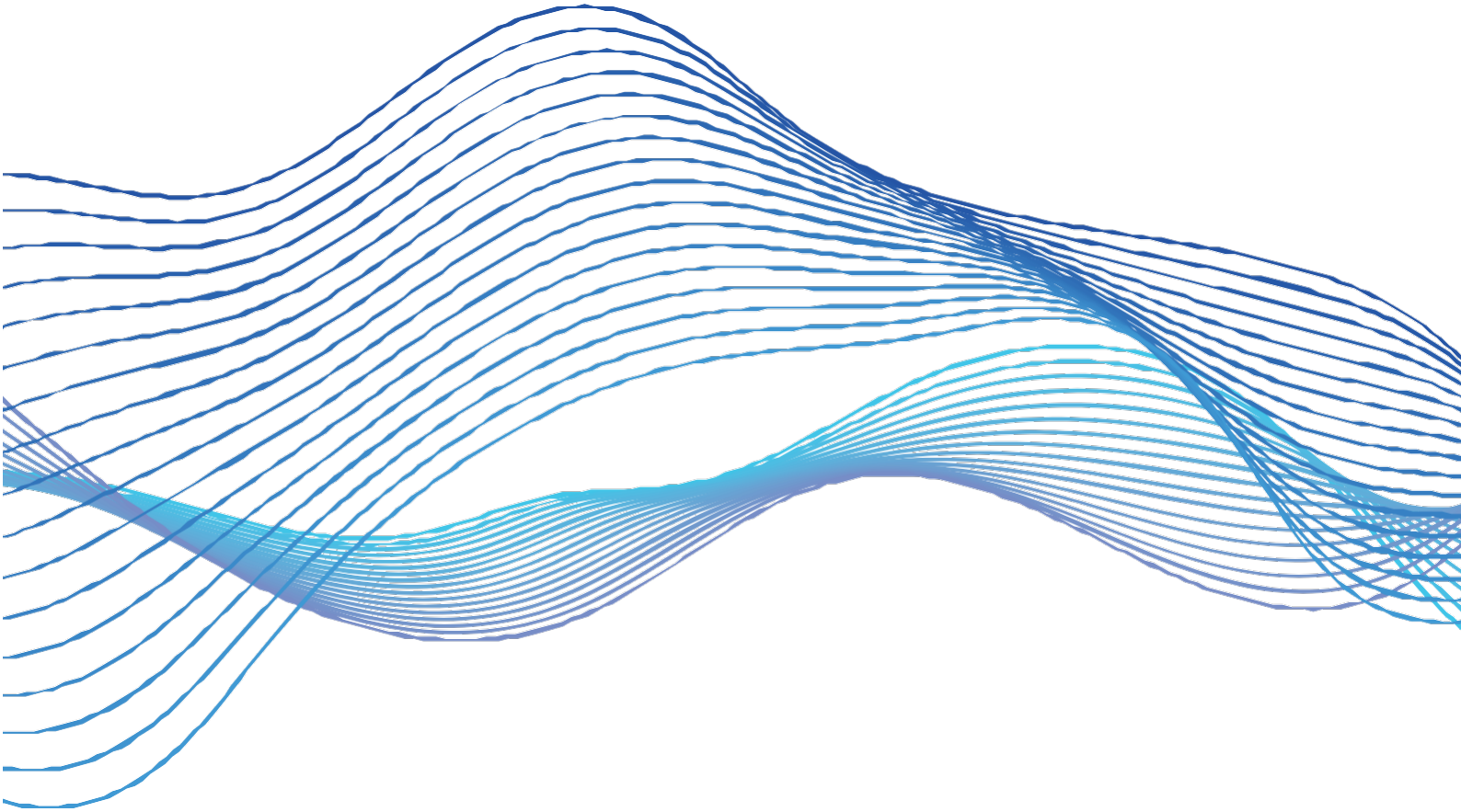
APPLICATIONS

Residential Water Supply
Food Industry
Industrial Processes
Bottling Plants
Customized Projects
Etc.



AUQVIAN

GENAQ Authorized Partner



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