

GENAQ

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 sites
- Isolated buildings
- Power plants
- Mines and oil platforms
- Construction sites
- Others



NIMBUS N500

by GENAQ

506 liters per day

5.1 kW

0.24 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	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 altitude, filter cleaning, wind, etc.

Features

GENAQ Nimbus N500	Version	4.4
	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	452 kg
	Color	White
	Manufactured in galvanized steel sheet structure with polyester paint of high resistance to corrosion	
Performance	Nominal Generation, at 30 °C and 80 % RH (±10 %)	506 l/day
	Nominal consumption per liter, at 30 °C and 80 % RH (±10 %)	0.24 kWh/l
	Specific generation, at 23 °C and 60 % RH (±10 %)	250 l/day
	Specific consumption per liter, at 23 °C and 60 % RH (±10 %)	0.3 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	17 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 °C to 45 °C
	Relative Humidity Limits	10 % to 100 %
	Storage Limit	-15 °C to 70 °C
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



4500 liters per day

0.22 kWh/liter

40.8 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	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 altitude, filter cleaning, wind, etc.

Features

GENAQ Nimbus N4500	Version	4.0
	Dimensions (Height x Width x Depth)	2170 x 2380 x 3420 mm
	Weight	5200 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 °C and 80 % RH (±10 %)	4445 l/day
	Nominal consumption per liter, at 30 °C and 80 % RH (±10 %)	0.22 kWh/l
	Specific generation, at 23 °C and 60 % RH (±10 %)	2263 l/day
	Specific consumption per liter, at 23 °C 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 °C to 45 °C
	Relative Humidity Limits	10 % to 100 %
	Storage Limit	-15 °C to 70 °C
Optional	Alternative Power Supply	Alternative Color
	Marine Environment	Solar Compatibility
	Consumables Kit	Spare Parts Kit
	20ft Container Adaptation	Frequency Variator