

Water from Air

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.



NIMBUS N500

by GENAQ

500 liters per day

5.1 kW



0.24 kWh/liter

External tank compatible

Pure Water

Sustainable

Efficient

Plug & Drink

Autonomous

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 °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 %)	**271 l/day**
	Specific consumption per liter, at 23 °C 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 °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

NIMBUS N4500

by GENAQ



4500 liters per day

40.8 kW

0.22 kWh/liter

External tank compatible

Pure Water | Sustainable | Efficient | Plug & Drink | Autonomous

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 °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	**125A 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	**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	**50 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	