



ATMOSPHERIC WATER SOLUTION

ATMOS

GEN-L



www.atmoswater.co.za

Pristine drinking water from air



Gen-L

Large Unit



Atmos's largest water generator that produces up to 6,000 litres of fresh, clean drinking water from air daily

The Gen-L is a reliable source of fresh, clean drinking water, providing up to 6,000 litres of water from air daily with no infrastructure other than electricity.

Each Gen-L is built as a modular unit, so as water requirements grow, it can be easily integrated with other units to create drinking water from air production farms.

The Gen-L's inbuilt heat exchanger produces drinking water from 15°C to 20% humidity in various climate conditions. The built-in multi-barrier air filtration system removes micro-particles and organic traces. It adds

essential minerals to ensure the high quality of the water generated and maintains freshness and purity regardless of air quality.

Gen-L is delivering high-quality drinking water in nations characterized by varying air quality and challenging terrains. The provision spans Asia, the Middle East, Latin America, Africa, and the United States.

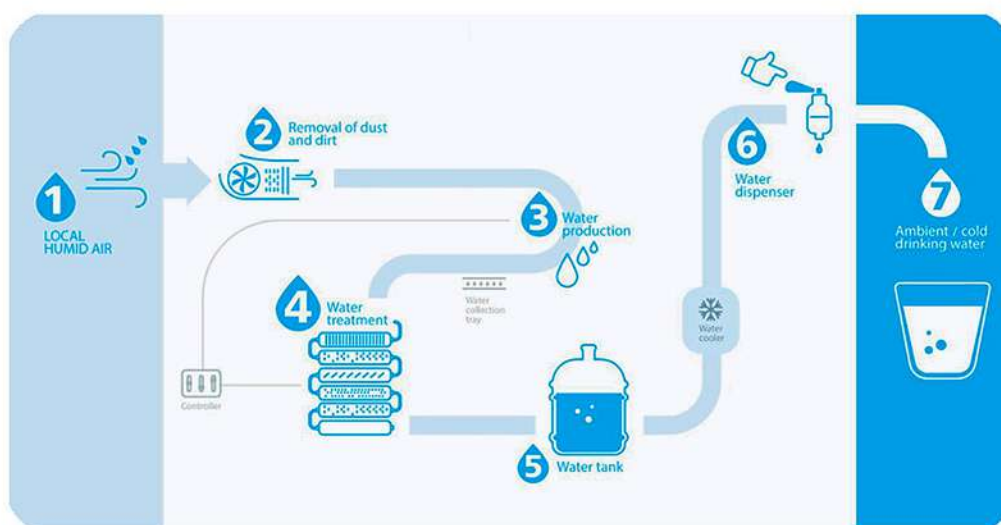
Gen-L Advantages

- ✓ High-quality drinking water
Fresh, clean and safe drinking water from air
- ✓ Water production
Range of climates, from 15°C and 20% humidity
- ✓ Off-grid solution
No plumbing or municipal infrastructure needed
- ✓ Convenience
Water production right at the point of use
- ✓ Unique and innovative technology
Revolutionary, patented heat-exchanger
- ✓ Integrations
Create drinking water from air production farms
- ✓ Environmentally friendly
Eliminates plastic waste and carbon footprint
- ✓ Standards compliance
Exceeds international drinking water safety standards

About Atmos

Atmos, an international group, originally aimed to aid underserved communities in South Africa but expanded globally to support areas with water scarcity and health challenges. Now present in multiple countries across Africa and Asia, Atmos can rapidly invest and deploy generation units, positioning itself for swift market expansion. Revenue streams include bottled water, bulk water, and strategic placement of generation units in mining, oil, and industrial hubs.

How it works



The technology operates by pulling air into the atmospheric water generator, where a dust and dirt removing air filter is employed. Subsequently, the purified air undergoes a heat exchange and cooling procedure, reaching the condensation point to create water. This water then traverses a multi-stage cascade of filters, encompassing chemical and biological filtration as well as mineralization.

The resultant water, now potable, is stored in an integrated reservoir, undergoing continuous circulation to maintain its freshness.



Airports



Mining



Schools



Shopping Malls



Hospitals



Offshore Oil Rigs

Specifications

Water generation capacity	Up to 6,000 litres
Water temperature	Ambient
Working environment	≥15°C. Relative Humidity: ≥
Dimensions	2.85m x 2.23m x 2.64m (Height size considered with legs)
Weight	2,630kg (dry)
Power consumption	Nominal 60KW/H, Peak power up to 90KW/H
Average power consumption	400W per litre
Electricity supply	EU: 400 Vac, 50 Hz, 3 Phases US: 480 Vac, 60 Hz, 3 Phases
Air filtration	Sub-micron barrier filter that eliminates <2.5 particulate matter
Water purification	Multi-step filtration cascade of water-certified filters set, followed by a germicidal UV lamp. Vital minerals balance the water's pH to achieve high purification and tasty drinking water.

Technical Specifications

Category	Specification	Value	
		Imperial	Metric
Dimensions	Length	112.2"	2850mm
	Width	87.8"	2230mm
	Height	With legs: 103.95" Without legs: 92.1"	With legs: 2640mm Without legs: 2340mm
	Weight	4798 pounds	2630 kg
Operation, storage and transportation climate	Operation	≥59°F	≥15°C
		≥20%	
	Storage and transportation	14°F-167°F	-10°C to 75°C
Air filters	Filtration method	Multi-barrier air filtration	
Water production and purification	pH	6.5-8.5	
	Purification method	Removing heavy metals, particles filtration, biological treatment, organic compounds (VOC, SVOC) and mineralization by cutting edge technologies	
	Production Capacity Per Day	951 gallons (26.6°C/60%RH)	3600 L (26.6°C/60%RH)
		1585 Gallons (Max)	6000 L (Max)
	Refrigerant	R410A	
Acoustic	Dispensing options	Ambient	
	Noise Levels	≤ 80 dBA	
Lifting and transportation platform	Transportation	Standard cargo	
	Lifting	Forklift or crane	
Electricity	Nominal Operation Voltage	EU	3 phase 400, Vac/50 Hz
		USA	3 phase 480 Vac/60 Hz
	Allowed Deviation on individual phases, Self Protected	Voltage ±5% Frequency ±1Hz	
	Power Consumption	Nominal: 60 kW Peak: Up to 90 kW	
	Energy Efficiency (26.6 C°, 60%RH)	350 Wh/L	
	Circuit Breaker Current	400 Vac: 3 x 125 A 480 Vac: 3 x 135 A	
	Mains Power connection	3 phase power cable 5 wires x 35mm²	
Certifications	Main Power supply	3 phase sockets per local regulations	
	Electrical safety	CE, CA, CB - IEC 60204-1	
	Water safety	IS-5452	



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