

# GEN-M1

## Provides up to 220 liters of fresh, clean drinking water from the air every day

Watergen's mobile GEN-M1 is a medium-scale drinking water from air generator. Due to its size and mobility structure, the GEN-M1 is the ideal solution for first response teams, field hospitals, police stations, firefighter stations, military headquarters offices, military auto repairs stations and other defense applications requiring an innovative off-grid drinking water source.

GEN-M1 doesn't require any infrastructure besides an electrical socket and works absolutely independently from existing piping. Using Watergen's patented GENius technology, the GEN-M1 enables creating of up to **220 liters of fresh, safe and tasty drinking water from the air daily** – no matter what the pollution levels are and wherever it's needed most.

The device uses innovative water purification technology for sediment filtration, mineralization, activated carbon and microbiological treatment.

GEN-M1 is one of the most energy-efficient AWGs on the market, enabling more water production with less electricity consumption. The water production process is optimized to meet external climatic conditions such as temperatures, seasons, etc.

With no internal tank, the M1 can be equipped with a complementing system- an external water storage tank with an attached smart quality system, including a controller and malfunction alert system. The complementing system keeps the water fresh all day by circulating it around the reservoir, ensures a bigger storage capacity for the device and access to more high-quality drinking water.

## GEN-M1 Advantages



### Fresh and safe

Produces up to 220 liters of drinking water per day



### Environmentally friendly

Reduces plastic waste, logistics, transportation and storage



### Unique and innovative

Patented heat-exchange technology



### Standards compliance

Complies with international purification standards



### Water production

Starts from 15°C and 20% humidity



### Fully mobile

Fitted with wheels for full mobility



### Plug & drink

Needs only connection to single phase electrical socket



### Complementary system (optional)

For fresh, clean and safe drinking water

## Specifications

<b>Water generation capacity</b>	Up to 220 liters/day
<b>Integrated dispenser</b>	Ambient water
<b>Water purification technology</b>	Removing heavy metals, particles filtration, biological treatment, organic compounds (VOC, SVOC) and mineralization by cutting edge technologies
<b>Working environment</b>	15°C- 40°C/59°F-104°F Relative Humidity: ≥15%
<b>Power consumption</b>	2.2.kW/h (Nominal) up to 3.5 kW/h
<b>Nominal Operation Voltage</b>	EU: 230/400Vac, 50Hz; US: 120/208Vac, 60Hz
<b>Dimensions (L x W x H)</b>	1590mmx840mmx1300mm/62.6"x33.1"x51.2"
<b>Weight</b>	350 kg/771.6 pounds
<b>Air filtration</b>	Multi-barrier air filtration
<b>Circuit breaker current</b>	US: 2 Phases; 250Vac; 16/20A; slow; ROW: 1 Phase; 250Vac; 16/20A; slow Residual current circuit breaker; Ground fault circuit breaker
<b>Water tank</b>	External tank is required
<b>Watergen External tank Capacity options</b>	500 or 1500 liters
<b>Watergen External tank treatment system</b>	Ozone generator, UV lamp, Carbon Filter, Controller, electronic dispenser

## Applications



Air force



Medical corps

### About Watergen

Watergen has devoted its innovative technology towards solving the world's water crisis under the leadership of its president, Dr. Michael Mirilashvili. Watergen provides a game-changing water-from-air solution based on its proprietary patented GENius technology that uses humidity in the air to create clean and fresh drinking water to people everywhere. The company offers a range of Atmospheric Water Generators (AWG) for various applications; the home-scale GENNY that can produce up to 22 liters of water per day, the medium-scale GEN-M that produces up to 800 liters of water per day and the industrial, large-scale generators that can make as many as 6,000 liters of water per day. Watergen's AWGs are installed in numerous countries around the globe.

### About Aldahra

Al Dahra is a prominent multinational leader in agribusiness, specializing in the cultivation, production and trading of animal feed and essential food commodities and end-to-end supply chain management. Serving a large customer base spanning the Government and Commercial sectors, Al Dahra has a widespread geographic footprint, with a workforce of 5,000 employees, operating in over 20 countries and catering to more than 45 markets, with a leading position in Asia and the Middle East.

## Technical specification

Category	Specification	Value	
		Imperial	Metric
Dimensions	Length	62.6"	1590 mm
	Width	33.1"	840 mm
	Height	51.2"	1300 mm
	Weight	771.6 pounds	350 kg
Operation, storage and transportation climate	Operation	59°F-104°F ≥15%	15°C-40°C
	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	58.1 gallons (26.6°C/60%RH)	220 L (26.6°C/60%RH)
	Refrigerant	R410A	
	Dispensing options	Ambient	Ambient
Acoustic	Noise Levels	≤ 75 dBA	
Lifting and transportation platform	Transportation	Standard cargo	
	Lifting	Standard – Forklift	
Electricity	Nominal Operation Voltage	EU US	230/400Vac, 50Hz 120/208Vac, 60Hz
	Allowed Deviation on individual phases, Self Protected	Voltage ±5% Frequency ±1Hz	
	Power Consumption	Nominal: 2.2 kW Peak: Up to 3.5 kW	
	Energy Efficiency (26.6 C°, 60%RH)	350 Wh/L	
	Circuit Breaker Current	US: 2 Phases; 250Vac; 16/20A ; slow ROW: 1 Phase; 250Vac; 16/20A ; slow Residual current circuit breaker Ground fault circuit breaker	
	Mains Power Connector	ROW: Per local regulation US: NEMA 5-20 or equivalent	
	Electrical connection	ROW: phase neutral and ground US: Split phase and ground	
Certifications	Electrical safety	<b>a. EU, Israel:</b> CE, CA, CB - EN 60335-1, EN 60335-2-40, EN 60335-2-21, EN 62233, EN 60335-2-24, EN 60529, EN 60335-2-109 <b>b. US:</b> UL - UL979 <b>c. Japan:</b> PSE - J 60335-2-24(H29), J 60335-1(H27), J 60335-15(H20), J 60335-1(H20), J 55014-1(H27) <b>d. Australia:</b> EN/IEC60335-1, EN/IEC60335-2-15, EN/IEC60335-2-40, COS <b>e. China:</b> CCC - GB 4706.1-2005, GB 4706.19-2008, GB 4706.13-2014	
	Electromagnetic Compatibility	<b>a. EU, Israel:</b> EMC: Directive 2014/30/EU – EN 61000-6-4, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3, EN 301 489-1, EN 301 489-17, EN 300 328, EN 62311 <b>b. Japan:</b> EMC: JRF, JATE <b>c. US:</b> CFR 47, FCC: 2015	
	Water safety	<b>a. US:</b> 1. ASSE/ANSI IAPMO - ASSE 1090, ASSE LEC 1087 2. Prop 65, NSF-61, NSF-372 <b>b. Israel:</b> IS-5452 <b>c. Australia:</b> AS/NZS 4020:2005 <b>d. France:</b> NF T 54-951; NF P41-650; T 90-601 <b>e. Japan:</b> Positive List MOH <b>f. China:</b> GB-5749-2006	