



GEN-M



World's most efficient Water From Air device

Provides up to 800 liters daily of high quality drinking water from air. Convenient, mobile, and sustainable solution.

GEN-M produces pure drinking water from the humidity in the air around us, energy-efficiently and economically. GEN-M utilizes its unique, patented and proprietary GENius heat-exchange technology, and requires only electricity to function; no need for plumbing or infrastructure. Just plug it into a power source, and within hours, you'll have access to **up to 800 liters of clean, safe drinking water per day.**

Watergen designed its product to provide easily accessible water to militaries, police forces, fire fighters and first response teams around the world. The medium scale GEN-M unit is the perfect solution in many situations, where access to pure, safe drinking water is imperative for the success

of their missions. GEN-M units can be placed in hospitals, police stations, army bases or on trailers and are easily transported to wherever they are required by teams; whether dealing with natural disasters or security incidents, setting up field hospitals or battling fires.

The Gen-M's inbuilt Genius patent allows for water production in a wide range of climate conditions: from 15°C-45°C and 20%-90% humidity.

Watergen AWGs are implemented in countries with a diverse range of air quality and in the toughest terrains; providing high-quality drinking water to first response and security teams across Asia, the Middle East, Latin America, Africa, and the United States.

GEN-M Advantages



Fresh and safe drinking water from air



Produces up to 800 liters of drinking water per day



Water production starts from 15°C and 20% humidity



Off-the-grid solution, no plumbing needed



Easy transportation, flexible locations



Reduces logistic, transportation, storage and plastic waste



Water production is at the point of use



Complies with international water purification standards

Specifications

Water generation capacity	Up to 800 liters/211 gallons a day in ideal condition
Integrated water tank	200 liters/53 gallons
Integrated dispenser	Ambient water
Dimensions (LxWxH)	1.40mx1.40mx1.58m/55"x55"x62.2"
Water Generation efficiency	350Wh/liter
Weight	780kg/1,719 pounds when dry
Power consumption	Nominal ~5.6kW – Max 10kW
Air filtration	Multi-barrier air filtration cascade
Water purification technology	Removing heavy metals, particles filtration, biological treatment, organic compounds (VOC, SVOC) and mineralization by cutting edge technologies

Applications



Ground infantry



Fire fighters



Police forces



Navy

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.

GEN-M

Technical specification

Category	Specification	Value	
		Imperial	Metric
Dimensions	Length	55"	1400mm
	Width	55"	1400mm
	Height	62.2"	1580 mm
	Weight	1719 pounds	780 kg
Operation, storage and transportation climate	Operation	59°F - 104°F ≥15%	15 - 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	145 gallons (26.6°C/60%RH)	550 L (26.6°C/60%RH)
		211 Gallons (Max)	800 L (Max)
	Refrigerant	R410A	
Dispensing options	Ambient Cold: 44.6 - 50°F	Ambient Cold: 7 - 10°C	
	Internal tank	52.8 Gallons	200 L
Acoustic	Noise Levels	≤ 75 dBA	
Lifting and transportation platform	Transportation	Standard cargo	
	Lifting	Standard – Forklift	
Electricity	Nominal Operation Voltage	EU	3 Phase, 230/400Vac, 50Hz
		US	3 Phase, 120/208Vac, 60Hz
	Allowed Deviation on individual phases, Self Protected	Voltage ±5% Frequency ±1Hz	
	Power Consumption	Nominal: 5.6 kW Peak: Up to 10kW	
	Energy Efficiency (26.6 C°, 60%RH)	350 Wh/L	
	Circuit Breaker Current	120/208Vac: 3 x 40A slow 230/400Vac: 3 x 25A slow	
	Mains Power Connector	Standard: IEC 60309, Red, Keying 3P+N+E, 180° / 6h 120/208Vac: 5 x 63A 230/400Vac: 5 x 32A	
Electrical connection	a.5x32A (3P+N+PE) 6h/180° b.5x63A (3P+N+PE) 6h/180°		
Certifications	Electrical safety	a. EU, Israel: CE, CA, CB - EN 60335-1, EN 60335-2-24, EN 60335-2-109 b.China: CCC - GB 4706.1-2005, GB 4706.19-2008, GB 4706.13-2014	
	Electromagnetic Compatibility	a. EU, Israel: 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 b.US: CFR 47, FCC: 2015	
	Water safety	a. US: 1. ASSE/ANSI IAPMO - ASSE 1090, ASSE LEC 1087 2. NSF - NSF-61, NSF-372 b.Israel: IS-5452	