



Controlled Environment Agriculture Water from Air AWG Solution

The water quality in producing fresh and healthy Controlled Environment Agriculture plays a huge role in the finished product. Without a proper filtration process, you could be introducing unwanted minerals, bacteria, pollutants or pharmaceuticals that could alter the taste and look of your agriculture.



Controlling fresh water required for the bottling process that is not dependent upon existing water resources insures consistency and purity of product.

Fresh drinking quality water produced purely from the atmosphere that meets or exceeds World Health Organization Standards is ideal as the natural and renewable source for production of water beverage products.

Fresh tasting drinking quality water produced purely from the atmosphere that meets or exceeds World Health Organization Standards is ideal as the natural and renewable source for production of renewal bottled water.

There is no impact on needing to filter or purify existing groundwater from streams, rivers or lakes that may contain pollutants, pharmaceuticals, contaminants or impurities.

Bottling Plant Location – Gary, IN

Indoor Use

Placement of Commercial units inside the plant with Controlled Relative Humidity & Temperature ensures consistent target production capacity of fresh water gallonage

The building needs to be temperature controlled either with air conditioning that provides constant 75° F and RH at 75% or heat with humidification.

5000 Liters per Day/ 1320 Gallons per Day *Commercial Unit*



5000L WATER FROM AIR AWG SPECIFICATIONS

Supply Power	3/N/PE, AC 380V 60Hz three phases voltage
Input Power	64 kw
Water Production (L/24 Hr)	5000 Liter @ 75 degrees F & 80% Relative Humidity
Temperature Range	59 to 113 degrees F
Humidity Range	30% to 100% Relative Humidity
Compressor Type	Enclosed vortex compressor
Compressor Qty	4
Phase Protection	Delay Protection Hi & Low Pressure Protection Overheat & Overload Protection
Gas Type	R407A
Control Type	External balance type Thermal expansion valve
Gas charge amount	4.9kg
Circulating air volume	31000 m3/h
Heat exhaust air volume	39000m3/h
Recycle Fan	
High efficient centrifugal fan	8pcs
heat Removal Fan	
Efficient axial flow fan	8pcs
Air Filter	11900mm x 5950mm x 460mm - 1 set 11420mm x 3660mm x 460mm - 1 set
Machine Dimensions	86.61" L x 222.44" W x 83.85" H
Machine Weight	8598 LBS
Control System	PLC
Units Per 40' Container	2



Atmospheric Water Generator

10000 Liters per Day/ 2641 Gallons per Day

Commercial Unit

10000L WATER FROM AIR AWG SPECIFICATIONS	
Supply Power	3/N/PE, AC 380V 60Hz
	three phases voltage
Input Power	128 kw
Water Production (L/24 Hr)	10000 Liter @ 75 degrees F & 80% Relative Humidity
Temperature Range	59 to 113 degrees F
Humidity Range	30% to 100% Relative Humidity
Compressor Type	Enclosed vortex compressor
Compressor Qty	8
Phase Protection	Delay Protection
	Hi & Low Pressure Protection
	Overheat & Overload Protection
Gas Type	R407A
Control Type	External balance type Thermal expansion valve
Gas charge amount	8.9kg
Circulating air volume	62000 m3/h
Heat exhaust air volume	78000 m3/h
Recycle Fan	
High efficient centrifugal fan	16pcs
heat Removal Fan	
Efficient axial flow fan	16pcs
Air Filter	450mm x 220mm x 360mm - 4 sets
	450mm x 2200mm x600mm - 4 sets
Machine Dimensions	212.60" L x 444.88" W x 86.22" H
Machine Weight	18078 LBS
Control System	PLC
Units Per 40' Container	1



20000 Liters per Day/ 2640 Gallons per Day

Commercial Unit



20000L WATER FROM AIR AWG SPECIFICATIONS

Supply Power	3/N/PE, AC 380V 60Hz three phases voltage
Input Power	202 kw
Water Production (L/24 Hr)	20000 Liter @ 75 degrees F & 80% Relative Humidity
Temperature Range	59 to 113 degrees F
Humidity Range	30% to 100% Relative Humidity
Compressor Type	Enclosed vortex compressor
Compressor Qty	8
Phase Protection	Delay Protection Hi & Low Pressure Protection Overheat & Overload Protection
Gas Type	R407A
Control Type	External balance type Thermal expansion valve
Gas charge amount	8.18kg
Circulating air volume	12,400 m3/h
Heat exhaust air volume	15600 m3/h
Recycle Fan	
High efficient centrifugal fan	16pcs
heat Removal Fan	
Efficient axial flow fan	16pcs
Air Filter	450mm x 220mm x 360mm - 4 sets 450mm x 2200mm x600mm - 4 sets
Machine Dimensions	86.6" L x 818.9" W x 78.34" H
Machine Weight	38140 LBS
Control System	PLC
Units Per 40' Container	1 Per 40' Container/Ships as 2 Containers



Atmospheric Water Generator

Contact

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