



**THE FUTURE  
OF WATER**



# VAYUJAL

Water is our life force. It nourishes us, empowers us, and fuels the progress of humanity. However, the lack of drinking water is also the biggest challenge that we face today. Nearly a billion of us do not have access to clean drinking water, and that number is rising steadily. Therefore, we need a sustainable solution that generates enough water to sustain us without harming the environment or depleting our limited resources. **VayuJal Technologies** is a significant leap in this direction. It creates water by tapping into atmospheric renewable water reservoirs and converting available humidity into natural drinking water.



# INSPIRED BY NATURE

The water collection method in VayuJal units is inspired by nature. Insects and plants that survive in the arid desert weather are biologically built to harvest water vapor from the atmosphere. We can see the result of this process as dew drops on the leaves of the **cacti plant** and the bumpy body of desert beetles. Vayujal mimics this natural process using a nano/microstructured metallic surface, which is cooled below the dew point for condensation.

Earth's environment has approximately 1.4 million million million liters of water content, or around a billion liters of water per person is available as atmospheric humidity. Vayujal extracts a minuscule portion of this infinite source to generate clean water. Whatever is absorbed from the environment is naturally replenished almost immediately; this makes Vayujal a sustainable & water-positive technology that is great for people and the planet. A renewable energy-powered VayuJal unit can eliminate the need for water transportation or packaged water bottles. Hence, cutting the carbon footprint caused by conventional water supply and helping us reduce the excessive dependence on our underground water tables. Vayujal will eventually lead to independence from the power and water grid and help households & organizations achieve complete self-reliance for water.





# THE VAYUJAL EDGE



## Low Operating Costs

A one time investment that will go a long way to save money overall due to minimal Electricity consumption and maintenance Costs. 10-20 % Less Opex.



## Mineral Goodness

Addition of minerals and nutrients make the water equivalent to natural spring water.



## Accessible Clean Water

Vayujal strives to provide access to clean drinking water to the communities across the globe that are struggling because of water shortages and contamination.



## BIS & WHO Compliant

Crafted in compliance with all relevant global standards to ensure quality & safety.



## Affordable

Cost & energy efficiency throughout the life of the product.



## Minimal Cost

In the long run, this investment will save you the cost of water & cost of health.



## Sustainable

- Clean source of water
- Powered by clean energy
- Can solely be run on renewable energy



## Smart Control

Fully automated , no need to turn off or monitor the machine.



## Quality Drinking Water

7 Step process including ozonation, sediment & carbon filtration, Ultra-filtration, mineralization, and UV Treatment.

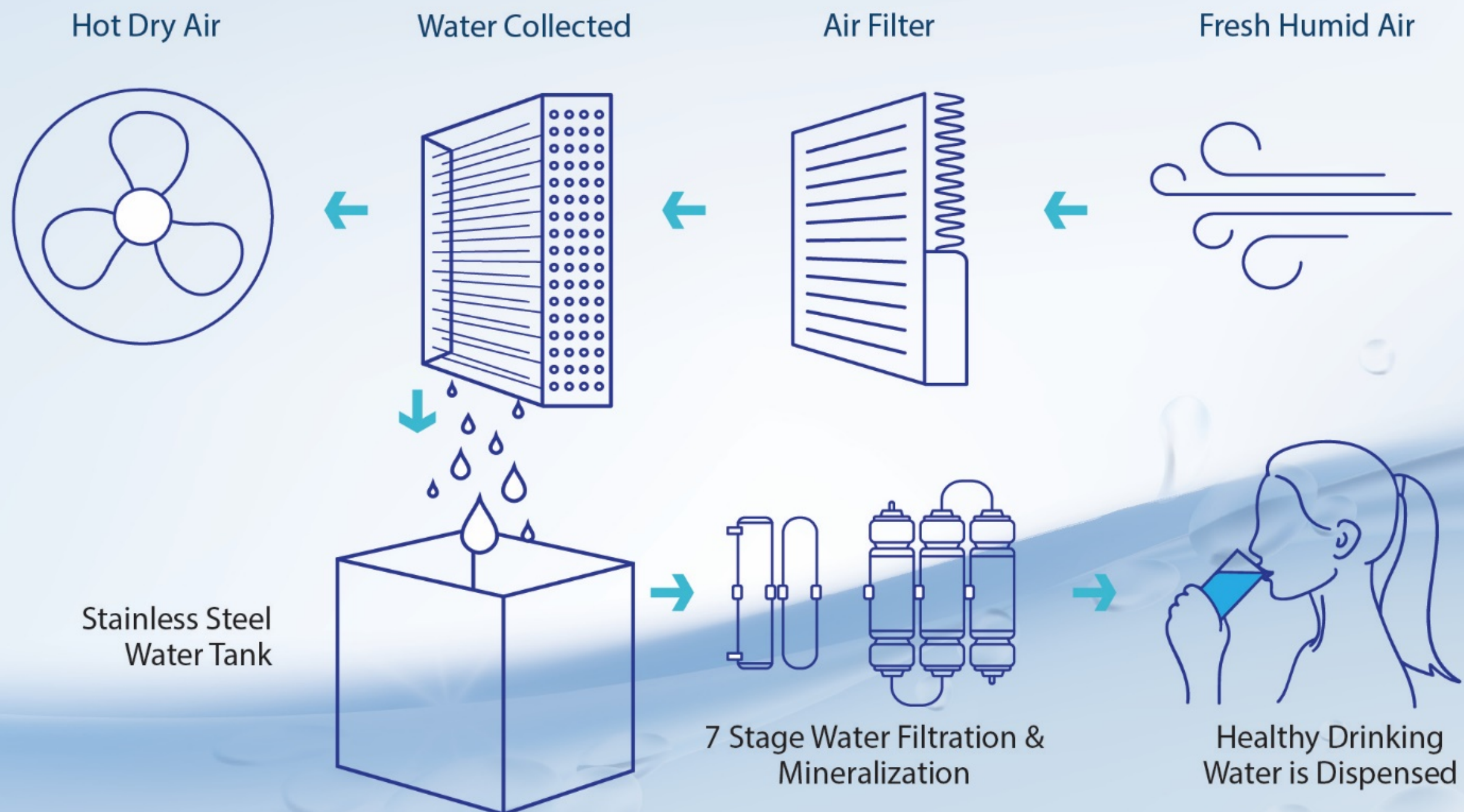


## Remote Monitoring

IoT systems to monitor water Production and consumption



# THE PROCESS



Relative Humidity Range : 25 - 99% RH

Temperature range : 18 - 42° C

\*Water output and power consumption are dependent on ambient conditions.

# VAYUJAL DOMESTIC RANGE

Vayujal Home is developed especially for domestic use and keeps in mind the esthetics, ease and utility necessary in such circumstances. The generator can be concealed and the dispenser can match the decor of the home. Home users can say goodbye to paid water of uncertain quality and invest in a green water generator that can save money and provide the purest quality of drinking water with no harmful effect on people or the planet.





## VAYUJAL HOME - 40 LPD

Best suited for	: Domestic use
Actual size (LxWxH)	: 45 x 55 x 85 (cms)
Power Efficiency	: 0.42 kWh / ltr ( at 70% RH and 30 °C )
Built-in storage capacity	: 16 ltrs. (SS 304)
Power supply & rating	: 230 V, 1 Ph, 50 Hz & 0.7 kW
Air Purification	: 10 Micron-Al mesh supported HDPE fabric
Water Purification	: 7 Stage filtration, including ozonizer, UV, membrane



## VAYUJAL PLUS - 140 LPD

Best suited for	: Large Households and Small Organizations with an average of 10 - 50 users
Actual size(LxWxH)	: 60 x 70 x 130 (cms)
Power Efficiency	: 0.33 kWh / ltr ( at 70% RH and 30 °C )
Built-in storage capacity	: 50 ltrs.(SS 304)
Power supply & rating	: 230 V, 1 Ph, 50 Hz & 2.2 kW
Air Purification	: 10 Micron-Al mesh supported HDPE fabric
Water Purification	: 7 Stage filtration, including ozonizer, UV, membrane

# VAYUJAL INDUSTRIAL RANGE

Ranging from 140 to 2200 ltrs. per day(LPD), the industrial range of Vayujal AWGs are crafted for organisations with varied levels of water consumption. Sufficient water can be produced to provide safe water to people and also for industrial processes. Using a green & water positive generator and ensuring the highest quality of water.





## VAYUJAL ULTRA - 450 LPD

- Best suited for : Medium Sized Organizations / Institutions / Restaurants with an average of 100 -300 users
- Actual size (LxWxH) : 160 x 90 x 100 (cms)
- Power consumption : 0.29 kWh/ ltr ( at 70% RH and 30 °C )
- External storage capacity : 100 - 300 ltrs.(SS 304) Option available
- Power supply & rating : 380 - 420 V, 3 Ph, 50 Hz & 6.0 kW
- Air Purification : 10 Micron-Al mesh supported HDPE fabric
- Water Purification : 7 Stage filtration, including ozonizer, UV, membrane



## VAYUJAL GRAND - 1100 LPD

- Best suited for : Large Sized Organizations / Institutions / Hotels with an average of 600 -800 users
- Actual size (LxWxH) : 240 x 139 x 235 (cms)
- Power consumption : 0.28 kWh/ltr (at 70% RH and 30°C)
- External storage capacity : 400 - 600 ltrs.(SS 304) Option available
- Power supply & rating : 380 -420 V, 3 Ph, 50 Hz & 14 kW
- Air Purification : 10 Micron-Al mesh supported HDPE fabric
- Water Purification : 7 Stage filtration, including ozonizer, UV, membrane



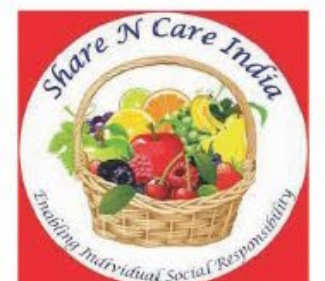


## VAYUJAL MAX - 2200 LPD

Best suited for	: Large Sized Organizations/Institutions/ Hotels with an average of 1500 users
Actual size (LxWxH)	: 235 x 270 x 215 (cms)
Power consumption	: 0.28 kWh / ltr (at 70% RH and 30°C)
External storage capacity	: 1000 - 2000 ltrs. (SS 304) Option available
Power supply & rating	: 380 - 420 V, 3 Ph, 50 Hz & 28kW
Air Purification	: 10 Micron-Al mesh supported HDPE fabric
Water Purification	: 7 Stage filtration, including ozonizer, UV, membrane



# CLIENTELE







Water From Air – Anytime, Anywhere

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SCAN ME