

VERAGON V10 AIO

VERAGON'S V10 'ALL IN ONE' PRODUCES 'WATER FROM THE AIR', RESULTING IN AN END PRODUCT OF DRINKING WATER, COMBINED WITH A STATE OF THE ART GROUND WATER TREATMENT. THIS ALLOW TO SUPPLY WATER AT A LOWER COST THAN CONVENTIONAL BOTTLED SUPPLIES, WITH NO ENVIRONMENTAL IMPACT.



Air to Water generator and ground water treatment combined in one single unit. The Veragon V10 AIO™ Air to Water Generator represents the pinnacle of sustainable water technology, extensively field-tested by the world's most demanding commercial operators and in partnership with renowned NGOs, including the United Nations World Food Programme. This innovative solution exemplifies our commitment to addressing global water scarcity with advanced, eco-friendly technology. Harnessing the power of atmospheric humidity, the V10 AIO begins its process by drawing air through a sophisticated filtration system, leading it into a condensation chamber where ultra-cold plates convert water vapor into liquid

form. This cutting-edge method ensures the production of clean, safe drinking water from the air around us.

To guarantee the purity and safety of the water, the V10 AIO employs a dual purification process, utilizing UV light and ultrafiltration for oxidation, effectively eliminating organic, chemical contaminants, and bacteria.

Following purification, the water undergoes mechanical filtration to remove odors and tastes, ensuring a refreshing experience.

Mineralization is then achieved through special cartridges or the precise addition of mineral salts, enhancing the water's nutritional value.

Equipped with an optional chiller for

cooling, the V10 AIO delivers water that is not only safe and clean but also refreshingly cool. A final stage of ultraviolet (UV-B) treatment ensures the water remains free from microbial contamination, consistently meeting standard potability requirements. Continuous quality monitoring by dedicated probes underscores our promise of reliability and safety.

With the capacity to produce up to 1,000 liters of water daily under optimal conditions, the Veragon V10 AIO™ offers a groundbreaking alternative to traditional water sources such as wells, bottled water, and complex desalination systems. It stands as a testament to Veragon's mission to provide sustainable, accessible water solutions for a thirsty world.

TRIED AND TRUSTED BY THE WORLD'S LEADING OPERATORS

V10 AIO™ TECHNICAL FEATURES	
WATER PRODUCTION CAPABILITY (*)	Up to 1.000 Liters/day (about 40 Lt/h)
WORKING CONDITIONS	17-45 °C / 20-100% UR
UNIT FRAME	Stainless steel AISI 304 or Galvanized Metal
TANK	PE 900 Lt - Polyethylene for drinking water
SIZE, WEIGHT	H 177cm / W 190cm / L 219cm / 1,000 kg
DISINFECTION	UV-C / ULTRAFILTRATION
REFRIGERATING GAS (AIR TREATMENT)	R410C
ELECTRICAL SUPPLY	380V - 50 Hz / 5 pin plug (triphase + neutral)
REQUIRED ELECTRIC POWER SOURCE	30.0 kWh
ACTUAL POWER CONSUMPTION (*)	About 8.5 kWh (tropicalized type) /
REFRIGERATION CAPACITY SUPPLIED WATER	Δ T° 20° (up to 50° external T°)
NOISE	About 64 db
WATER QUALITY DELIVERED	Certified drinkable water
COMPLIANCE WITH WATER STANDARD	World Health Organization, Food and Agriculture Organization of the United Nations, Rome 2007 - D.L. 2001 n. 31 Italy
CERTIFICATION	ISO9001:2008 / CE / DM174
COLOR	Military Green / Sand / Grey / White

(*) STANDARD = T 38° - HR 70% TROPICALIZED = T 40° - HR 90%

V10 AIO™ MODELS				
TYPE	DISINFECTION	VERSION	CODE	BASIC EQUIPMENT
TROPICALIZED	UV Light	BASIC SPEC	V10AIO-T-B	Electromechanical operation, water quality constantly measured, hydraulic pipes and fittings in stainless steel, filter, activated carbon filter bloc, mineralization cartridge, water chiller, hydraulic and electric preparation for packaging machine, fresh water purification system V300WT-WF-T.
	Ultrafiltration	TOP SPEC	V10AIO-T-T	Electromechanical, water quality constantly measured, hydraulic pipes and fittings in stainless steel, filter, activated carbon filter bloc, mineralization cartridge, water chiller, PLC control panel, display for alarm and vital function, hydraulic and electric preparation for packaging machine, fresh water purification system V300WT-WF-T.

V10 AIO™ RECOMMENDED OPTIONAL FEATURES		
OPTIONAL	DESCRIPTION	CODE
MINERALIZATION SYSTEM	Automatic water mineralization. Checks the micro-dosage and dilution of the liquid solution of hyper-concentrated salts allowing the production of water with desired type and quantity of dissolved minerals.	SM
BIOFILM PROBE	Microorganisms (pathogenic and not) may generate an organic film on the inner walls of the hydraulic circuits. The sensor allows the constant monitoring of the state of such biofilms and the consequent change of the biocide. (Option only applicable if the units are equipped with a PLC).	BP
HEAVY METAL FILTRATION SYSTEM	The Heavy Metal module (HM) ensures separation from any heavy metals from the generated water. The product is certified XCRAS - DVGW for drinking water.	MF
HUMAN MACHINE INTERFACE	The HMI includes a 10" color, touch display, a software for remote control of the main functions of the generator and the treatment process. The software can issue alarms signals via email or telephone.	HM
OFF ROAD TRAILER	Allows transport of the drinking water production units even in extreme environmental conditions.	OT

TECHNICAL FEATURES V300WT-FW-T	
WORKING CONDITIONS	17-45 °C
TANK	Optional - flexible food grade 5mc
SIZE, WEIGHT	860 x 560 x 355mm / 38 kg
ELECTRICAL SUPPLY	230V Single phase / 50Hz o 24VDC
POWER CONSUMPTION	14Ah C.A.
CERTIFICATION	CE

TREATED WATER TECHNICAL FEATURES V300WT-FW-T	
INPUT SALINITY	Max 2.000 ppm
TREATED WATER FLOW	Up to 300 Lt/h (7.200 Lt/day)
PREFILTRATION	Self-cleaning filter 90 micron 24VDC 500mA
PUMP	Max 5 bar
WASHABLE MECHANICAL FILTRATION	Cartridge AISI 316 10 micron
TOTAL MECHANICAL FILTRATION	0,05 micron
CHEMICAL FILTRATION	Heavy Metals (removal order Cu > V> UO2 > Pb2+ > Ni2+ > Cd2+ > Fe2+ > Mn > Ca2+ > Mg2+ > Ba)
STERILIZATION	CE UV-C with irradiation display (max 10 Lt/min)