

## VERAGON V10 DEPLOYABLE 1000 L/Day

**VERAGON'S V10 DEP PRODUCES 'WATER FROM THE AIR', RESULTING IN AN END PRODUCT OF DRINKING OR DEMINERALISED WATER, AT A LOWER COST THAN CONVENTIONAL BOTTLED SUPPLIES, WITH NO ENVIRONMENTAL IMPACT.**



Veragon proudly introduces the V10 DEP™ Air to Water Generator, a testament to our unwavering commitment to pioneering sustainable and innovative water solutions.

Rigorously field-tested by leading commercial operators worldwide and in collaborative trials with esteemed NGOs like the United Nations World Food Programme, the V10 DEP stands as a beacon of reliability and efficiency in water generation technology.

Harnessing the power of atmospheric humidity, the V10 DEP utilizes a sophisticated filtration system to draw in air, which then encounters ultra-cold plates in the condensation chamber. This process rapidly cools the air, reaching an accelerated dew point and

transforming water vapor into liquid in a highly efficient manner. The resulting condensed water is captured in a storage tank, ready for the next stages of purification.

Employing advanced UV light and ultrafiltration technologies, the V10 DEP effectively eliminates organic, chemical contaminants, and bacteria, ensuring the water is pure and safe for consumption. Subsequent mechanical filtration processes remove any odors or tastes, while special mineralizing cartridges—or alternatively, the precise addition of mineral salts—enrich the water with essential minerals.

In the final steps before delivery, an optional chiller unit cools the water, providing a refreshingly cool drink without the risk of tap contamination,

thanks to the additional ultraviolet (UV-B) treatment. The V10 DEP guarantees water quality that meets and surpasses standard potability requirements, monitored continuously by dedicated probes for your peace of mind.

Capable of producing up to 1,000 liters of pristine water daily under optimal conditions, the Veragon V10 DEP™ offers a sustainable and efficient alternative to traditional water sources, including wells, bottled water, and complex systems like reverse osmosis or desalination units.

Discover the future of water supply with Veragon's V10 DEP™—where innovation meets sustainability, providing accessible, clean water solutions for a thirsty planet.

**TRIED AND TRUSTED BY THE WORLD'S LEADING OPERATORS**

## V10 DEP TECHNICAL FEATURES

WATER PRODUCTION CAPABILITY (*)	Up to 1.000 Liters/day (about 40 Lt/h)
WORKING CONDITIONS	17-45 °C / 20-100% RH
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	20.0 kWh
REFRIGERATION CAPACITY SUPPLIED WATER (**)	Δ T° 20° (up to 50° external T°)
NOISE	About 64 db
POWER CONSUMPTION (indicative temp. 30°)	About 8.5 kWh (tropicalized type)
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	Steel or any other color

(\*)TROPICALIZED = T 40° - RH 90%

## V10 DEP MODELS

TYPE	DISINFECTION	VERSION	CODE	BASIC EQUIPMENT
Tropicalized	UV Light	BASIC SPEC	V10DEP-T-B	Electromechanical operation, water quality constantly measured, hydraulic pipes and fittings in polyacetal and PEAD, filter, activated carbon filter bloc, mineralization cartridge, water chiller.
	Ultrafiltration	TOP SPEC	V10DEP-T-T	Electromechanical, water quality constantly measured, hydraulic pipes and fittings in polyacetal and PEAD, filter, activated carbon filter bloc, mineralization cartridge, water chiller, PLC control panel, display for alarm and vital function.

## V10 DEP 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 mineral.	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 XRAS - DVGW for drinking water.	MF
PACKAGING MACHINE PREPARATION	The preparation allow the hydraulic and electric connection for packaging machine.	PI
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