

VERAGON V50 DEP 5000 Lit/D

VERAGON'S V50 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 presents the V50 DEP Air to Water Generator, a marvel of engineering designed to meet the needs of the most demanding commercial operators and tested in rigorous field trials with leading NGOs, including the United Nations World Food Programme. This state-of-the-art solution is at the forefront of combating global water scarcity, providing a sustainable and efficient alternative to traditional water sources.

The V50 DEP begins its innovative process by drawing humid air through a comprehensive filtration system, leading it into a cutting-edge condensation chamber. Here, air contacts ultra-cold plates, swiftly converting water vapor into liquid through accelerated dew point condensation. This advanced technique ensures efficient water production, stored ready for the next purification steps.

Employing the power of UV Light and Ultrafiltration, the V50 DEP excels in removing organic, chemical impurities, and bacteria, delivering water that's not just clean but pure. Following this, mechanical filtration eradicates any residual odors and tastes, enhancing the drinking experience. The system further enhances water quality by mineralizing it through special cartridges or the precise addition of mineral salts, ensuring water is not only safe but beneficial to health.

An optional chiller cools the water to the perfect temperature, making each sip refreshingly cool. To ensure the highest standards of hygiene, the final water treatment involves ultraviolet (UV-B) irradiation, safeguarding against tap contamination. With continuous monitoring by dedicated probes, the V50 DEP guarantees water that consistently meets standard

potability requirements.

Capable of producing up to 5,000 liters of pristine water daily under optimal conditions, the V50 DEP offers an unparalleled solution to reliance on wells, bottled water, and energy-intensive methods like reverse osmosis or desalination.

The Veragon V50 DEP represents the pinnacle of air to water generation technology, offering a robust, eco-friendly alternative to conventional water supply systems. Ideal for a wide range of applications, from supporting sustainable communities to providing emergency water supplies, the V50 DEP is your answer to reliable, clean, and sustainable water, anywhere. Discover how the Veragon V50 DEP is redefining access to clean water. Join us in our mission to provide innovative, sustainable water solutions for a better tomorrow.

TRIED AND TRUSTED BY THE WORLD'S LEADING OPERATORS

V50 DEP TECHNICAL FEATURES

WATER PRODUCTION CAPABILITY	Up to 5,000 Liters/day (about 80 Lt/h)
WORKING CONDITIONS	17-45 °C / 20-100% RH
UNIT FRAME	Stainless steel AISI 304 or Galvanized Metal
TANK	2 x PE 800 Lt - Polyethylene for drinking water
SIZE, WEIGHT	H 225cm / W 210cm / L 690cm / 1,970 kg
DISINFECTION	UV-C / Ultrafiltration
REFRIGERATING GAS (AIR TREATMENT)	R410C
ELECTRICAL SUPPLY	380V - 50 Hz / 5 pin plug (triphase + neutral)
REQUIRED ELECTRIC POWER SOURCE	60.0 kW
REFRIGERATION CAPACITY SUPPLIED WATER	Δ T° 20° (up to 50° external T°)
NOISE	About 54 db
POWER CONSUMPTION (indicative temp. 30°)	About 45.0 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 / UN White (other colors available upon request)

TROPICALIZED = T 40° - RH 90%

V50 DEP MODELS

TYPE	DISINFECTION	VERSION	CODE	BASIC EQUIPMENT
TROPICALIZED	Ultrafiltration	BASIC SPEC	V50DEP-T-U-B	Electromechanical operation, water quality constantly measured, hydraulic pipes and fittings in polyacetal, filter, activated carbon filter bloc, mineralization cartridge, water chiller.
	UV Light	TOP SPEC	V50DEP-T-U-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.

V50 DEP RECOMMENDED OPTIONAL FEATURES

OPTIONAL FEATURE	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.	MS
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