










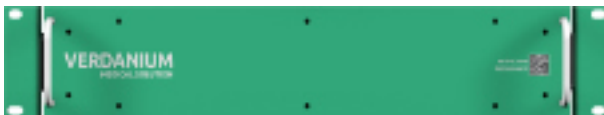
-  Ultra-pure water for medical and laboratory applications
-  Modular design for racking systems
-  Water production up to zu 2.3 l/min.
-  Ultra-pure water type 3, type 2 and type 1
-  Internationally applicable
-  Designed for 19" industrial format
-  Filter change via Push & Click filter change method

The Verdanium MED is the professional ultra-pure water solution for medical facilities and laboratories. It guarantees absolute safety in terms of continuously excellent water quality with GreenOsmo® Technology, high efficiency, low water consumption and high volume flow. Equipped with state-of-the-art ultra-pure water quality monitoring technology, the Verdanium MED is tailored to your applications and is modularly expandable for larger ultra-pure water volume requirements.



#### Active control unit 3 HU (Height units)

The active control unit (ASE) controls and monitors all Verdanium MED extensions and manages the complete water distribution system.



#### Active pre-filter unit as drawer 2 HU

In the active pre-filter unit (AVE), 2 x 2 VA-Standard filter heads are installed in series and parallel to each other.



#### Active ultra-pure unit 3 HU

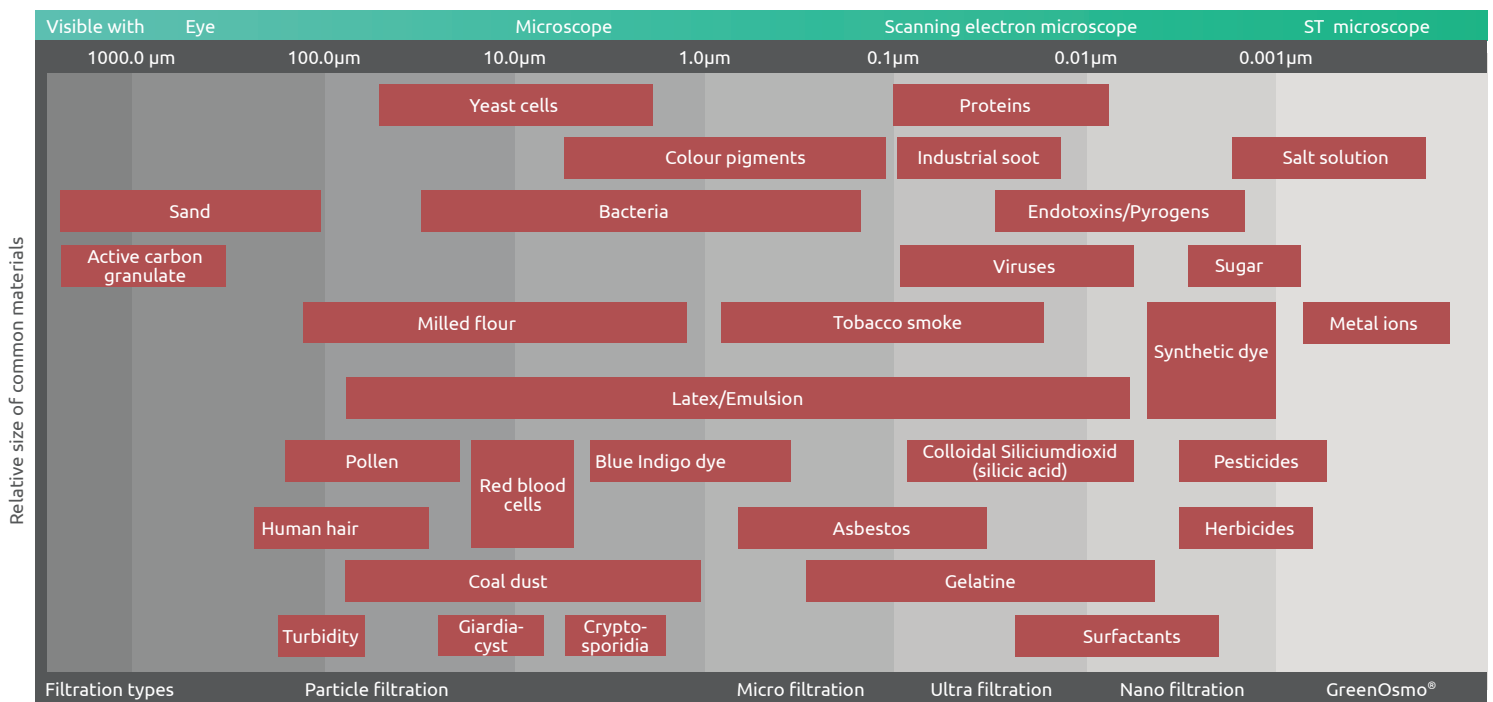
In the active ultra-pure water unit (ARE), up to 98.9% of all dissolved and undissolved foreign substances in the water are removed using the diffusion principle.

#### Technical Data Verdanium MED (without accessories)

Dimensions 2 HU	Width: 483 mm, Height: 89 mm, Depth: 470 mm
Dimensions 3 HU	Width: 483 mm, Height: 134 mm, Depth: 470 mm
Weight	30.0 kg (without accessories)
Temperature	Minimum 4° C (39° F) to maximum 38° C (100° F)
Operating pressure	Minimum 1.4 bar (20psi) to maximum 5.5 bar (80 psi)
Ultra-pure water production	At 6° C input water temperature and 3.5 bar approx. 1.8 l/min (up to 2.3 l/min at higher temperatures)
Ultra-pure water / Wastewater ratio	Depending on the input water quality, the ratio is 1 : 0.8
Water connections	Input water connection 3/4" – Wastewater 3/8" JG connection – Ultra-pure water 3/8" JG connection
Electrical connection	230 VAC - 50 Hz – 180 VA – (110 VAC – 60 Hz optional)

Scope of delivery	Item number
Verdanium MED	9000051
↳ Active control unit (3 HU)	
↳ Active pre-filter unit (2 HU)	
↳ Active ultra-pure water unit (3 HU)	
Replacement filter	Item number
VA-Standard PP - Sediment Filter Cartridge (pre-filter)	1000066
VA-Standard GAC - Activated Carbon Granulate-Cartridge (post-filter)	1000068
VA-Standard CTO - Activated Carbon Block-Cartridge (post-filter) optional	1000067
Extensions	Item number
Additional, active ultra-pure water unit (1.9 - 2.4 l/min.)	1000240
Active post-filter unit	1000239
Active tank unit - approx. 9 litres	1000242

### Filtration performance Verdanium MED



The Verdanium MED can produce ultra-pure water of different types for specific laboratory and medical applications:

- ↳ Ultra-pure Water Type 3 - Purified water suitable for less critical laboratory applications.
- ↳ Ultra-pure Water Type 2 - Standard for general laboratory applications requiring constant purity.
- ↳ Ultra-pure Water Type 1 - Water of the highest purity level required for sophisticated laboratory applications.

The typing is from type 3 to type 1, with ultra-pure water type 3 having the "lowest" and ultra-pure water type 1 having the "highest" degree of purity. The different types determine the properties of the water in terms of the content of contaminants such as organic substances, ions, pyrogens and bacteria.