

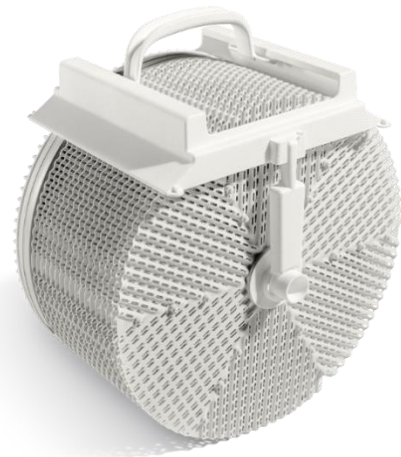
Weingarten, October 7th 2020

Press release

Innovation of air washing: Premium technology "VentWave" patent pending

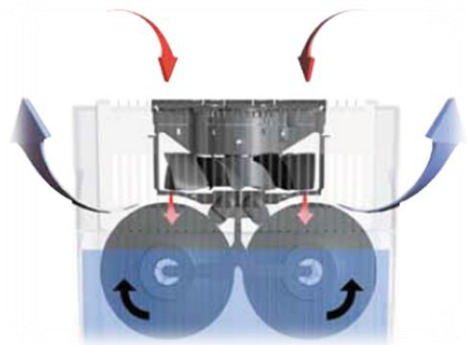
Venta's innovative VentWave plate stack has been registered for European patent. The new, three-dimensional heart of the Venta air washers combines a significantly reduced use of material with an approximately 10 percent better evaporation performance. The further development is built into the new AeroStyle and will also be used in existing model series in the future.

As a market leader in humidifiers and air cleaners with almost 40 years of experience, Venta is constantly developing its product range. The latest step is the 3D plate stack VentWave, now patent pending. Its ingenious design follows nature's example: As on the underside of leaves, thousands of stomata ensure that many more water molecules evaporate than on a flat surface. The VentWave thus achieves the same evaporation performance with fewer disks - in some models it is even 10 percent higher. Like all other Venta products, the VentWave does not require any chemical additives.



Hygienic and natural way of air humidification

The way it works is ingeniously simple: a fan guides the room air into the water-filled air washer, in which the new VentWave rotates. Hygienically acidic water evaporates efficiently into the room via its surfaces. At the same time, the panels retain pollutants such as dust and pollen from the air, the water washes them off and collects the particles in the air washer. With this natural way of air humidification, over-humidification is almost impossible. Handy: The innovative VentWave can be disassembled for cleaning. The individual disks can thus be easily separated from each other.



Plasma coating improves water adhesion

The VentWave plate stack is the technical heart of the new AeroStyle air washer and the WiFi App Control series such as the Hybrid LPH60. In both product series the VentWave plate stack has a plasma coating. This increases the surface energy and creates polar molecular end groups. This makes the water adhere much better to the plates.

Thanks to the plasma coating, the WiFi App Control and AeroStyle series do not require the use of chemical wetting agents such as surfactants. Maintenance of the units is also now even easier: in conjunction with the Venta hygiene disc, the 14-day addition of Venta hygiene agent is no longer necessary.

Less material used, lower weight

The slim and efficient design of the VentWave plate stack requires fewer evaporator discs and therefore less material. This means a noticeable contribution to more sustainability: In the future, the innovation will save around 50 tons of plastic every year.

The VentWave plate stack is the result of a two year development process by our development manager Guido Wegner and his team. Over the years, Venta has repeatedly developed and refined the principle of cold evaporation. All products are developed and manufactured in Weingarten, Germany.

Venta Air Technologies, based in Weingarten in Baden-Württemberg, Germany, has been developing and selling humidification and air cleaning equipment for indoor use in Germany for over 35 years. The group employs 120 people including subsidiaries in the USA, Switzerland, Austria and the Netherlands.

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