

What happens inside the VortexPower Spring?

The VortexPower **Spring** uses the amazing swivel energy known from many natural phenomena like hurricanes or water whirlpools. The rotating swivels inside the **Spring** draws motion energy from the water standing under pressure in the tube. The higher the water pressure, the more effective the **Spring** can work. That's why you should always open the tap/faucet to the maximum. VortexPower **Spring** patented vortex chamber is shaped only by Bessel-functions – some of them are known as sombrero-functions. They provide only organic shapes consequently avoiding any straight lines, plain areas or other euklidic solids like cylinders, cones etc. That guarantees a completely natural flowing of the water efficiently suppressing turbulent flow or cavitation with their known negative effects on the physics of water.

The VortexPower **Spring** contains two organically shaped vortex chambers and two special injection and spray devices to dissolve a large amount of air in the water. The first main vortex chamber is being filled in a tangential way by three inlet nozzles that are shaped like vortex funnels similar to the ones forming naturally in your kitchen sink or bath tub when letting out the water. That guarantees the water running at high speed and in a whirling way already from the beginning. The three water jets from these injection nozzles enter the vortex chamber at the outward edge accelerating the water inside to a spinning movement of complex geometry.

Due to the fact that the water cannot easily flow out through the central hole in the bottom of the vortex chamber, several antagonistic vortices are being formed in a concentric arrangement. They are running upwards and downwards turning clockwise and anticlockwise at the same time creating in between each other a large amount of much smaller secondary vortices which can be called micro-vortices or nano-vortices. It is them which are responsible for grinding the quasicrystalline water structure – clusters consisting of hundreds of H₂O-molecules – down to a much smaller size like they normally exist only in hot water. That leads to a much higher flowability and an increased solving capacity of the water even at low temperatures.

The VortexPower **Spring** is using Viktor Schaubberger's "implosion energy" to optimize the water quality but it is based on a completely different vortex geometry resulting in a unique water quality. The **Spring** is constructed in such a sophisticated way that despite the water being constantly pressed into the vortex chamber the resulting suction power of the high speed vortices draws air into the water. A constant stream of air is being sucked through the circle of small holes at the lower edge of the **Spring** around the outlet hole. The air is carried on to a small tube ending inside the vortex chamber right in the centre of the main vortex. That leads to a large amount of oxygen being dissolved in the water making it feel and taste like water from a creek high up in the mountains.

There is always a certain amount of the water in the main vortex chamber that remains in one of the spinning vortices, whereas the other part flows out into a secondary vortex chamber using the high speed of the water to form another vortex. This vortex has the shape of a torus – looking like an apple or a donut. This toroidal vortex is designed to slow down the vigorously flowing water by means of an antagonistic stream of water. This clever way of using water itself to slow down the water harnesses the moving energy of the tap water to a maximum and avoids turbulent flow to prevent damage to the water structure.

In the end a cycle of holes at the bottom of the secondary vortex chamber forms several water jets flowing against two fine mesh wires. There the water is sprayed into millions of small droplets forcing it to take up even more oxygene from the stream of air that is constantly moving through the **Spring**. The merging of water and air forms a coherent stream leaving the **Spring** at the lower end, still rotating and meandering in a natural way like a river. The VortexPower **Spring** condenses the natural process of energizing water in a creek that usually requires kilometres and hours to the size of an aerator and to a blink of an eye. Nevertheless the result is living water of high solving capacity, free from negative information, rich in oxygen.

In other words: You get natural water of best quality any time you want in any amount just from your tap or faucet.