

TURRITAP – MOUNTAIN WATER FROM YOUR TAP.

Drs. Ir. Cees Kamp – Turritap.com - Turritech BV – The Netherlands

The quest

Since I first dove in the waters of the Katun river in the Altai mountains, I have been deeply fascinated by water. You will know that water is a prerequisite for life and our bodies are composed of at least 60% water but who is aware of the many inexplicable characteristics of water that provide for life on earth? How can ice float? Why does standing near a waterfall affect you positively? And why does the taste of mountain water differ so much from tap water?

Science doesn't have (all) the answers

To answer this last question, I researched water "vitalisation" scientifically for ten years. This did not provide conclusive answers. Current scientific understanding cannot (yet) explain many of the special properties of water, including the observed effects of "vitalisation" and the mentioned difference in taste. Also, results appeared to be confounded by a factor with possible electromagnetic origin.

Whirls and vortices; Turritella seashell

The question remained. How could the difference between mountain water and tap water be explained? Could it be the natural movement i.e., the swirls and vortices that so characterize mountain water? Could tap water be re-given this swirl in a natural and precise way? Bio-mimicry – with Nature being both inspirer and inventor, provided the answer. The key was the swirl-like and vortex-shaped channel of a seashell: the Turritella.

From Turritella to Turritap®

The Turritap is based on that geometry. The 23rd prototype met two key requirements: the effect is a vivacious taste, and it can be manufactured in materials approved for drinking water. The Turritap is an elegant steel outflow piece (5 cm long) in sleek design that can be attached to the tap. The heart is a swirling channel. This channel provides a natural movement for the water that flows through. Tap water becomes vivacious; "water with a twist".



Results: tap water, coffee and tea

Blind tests indicate a different and fresher taste after whirling through the Turritap. In a test with 140 users, 40% report a clear difference indicating the water is softer, somewhat sparkling, and fresher as well. Another 30% perceive somewhat of a difference.

In a coffee brewing championship, the difference was so evident that the blinded jury thought the contestant had doctored the water, which he did not. Tea appears to have a different colour when made with Turritap water and some even perceive water itself as clearer in its appearance.

Bio

Drs. Ir. Cees Kamp (1964) graduated from Delft University. As chemical engineer he worked for Shell Chemicals and later in sales of process equipment at EuroSupport. In 1994 he became self-employed as technical salesman. He trained in applied psychology and worked in that field too. A dive in the Katun river in 1995 triggered his interest in water. In 2004 his professional focus turned to research on water vitalization and trans-material influences. Until 2012 he researched "water-vitalization" at Wetsus, the European center of excellence for sustainable water technology. Since 2012 he focuses on the development of an understandable means to return water to its mountain-water like state; the Turritap. Kamp also teaches chemistry at the Gymnasium in Apeldoorn. He is an advocate of biomimicry and trans-material approaches to provide solutions for today's challenges.