

# New organic & colloid-forming homogenizer

Investigations on the beneficial effects of the bionic Bormia®- BIO-Homogenizer, by Klaus Jürgen Althoff (Nadeen), Germany

**B**ased on the article published on page XY by cell biologist Prof. P. Dartsch (www.dartsch-scientific.com) and myself entitled "Bormia: Bionic Spring-Water-Generator and its beneficial effects on human cells", I like to transfer the results presented in this article also to the Bormia® Bio-Homogenisierer and describe how it works. While the parallel article describes the positive effect on the human cell, here the function of the bionic homogenizer is explained.

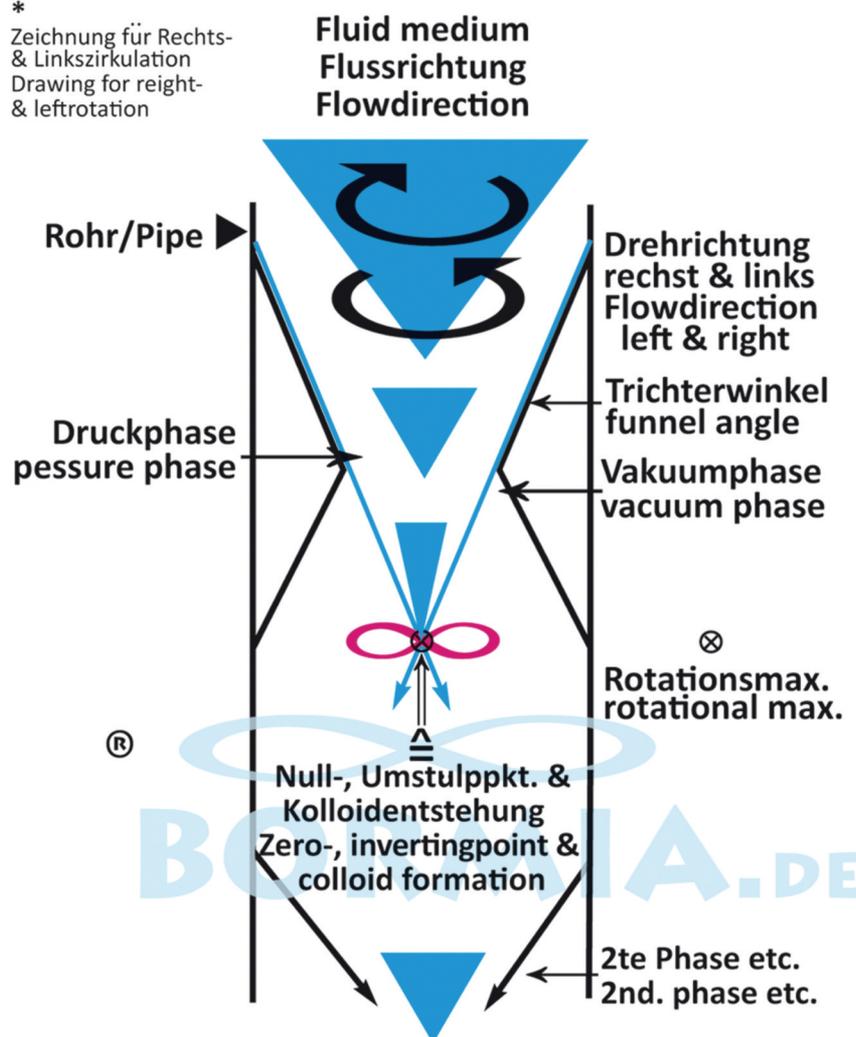
The homogenizer is a further development of the Bormia Bio Spring-Water-Generator. The homogenizer produces organic that is colloidal products. Its function is copied from the human heart, which rotates the blood arterially left into the body and venous right. The bio-homogenizer, built according to this organic model, uses both directions of rotation in rhythmic sequence, parallel and mirror-like, and generates the natural pressure and vacuum moments that also occur in the cardiovascular system. As a result, the process creates harmony, which can also be described as zero point energy, since the opposing directions of rotation neutralize each other. The heart is not a pump, but a harmonic vortex chamber with zero point character and a guarantor for stability. Various substances, such as water, milk, beer, wine, juice, soy milk or mixed drinks, develop stable colloidal structures through the Bormia process (turning processes/inversion), which maximize bioavailability for every organism and produce a longer shelf life: structure = stability. These results are supported by organic mathematics (golden section), which is common to all vortex processes. Vortex processes are on the one hand cleansing and on the other hand restructuring or organizing, i.e. forming colloids. In order to describe complex processes, one can say that organic homogenization :

- Comminuted by rhythmic contractions between the pressure and vacuum moments (see figure), i.e. nanometrization of molecular chains, resolution of clusters and information structures,
- Subsequently forms large surfaces
- Rubs molecules together and into each other by increasing rotation, "merges" and reorganizes (organically ordered). They become colloidal by being turned inside out (invert) at the maximum point of rotation (see lemniscate in pic. 1). Stability can only occur if both directions of circulation balance or cancel each other out (this is equivalent to potentiation).
- With the Bormia Bio Spring-Water-Generator<sup>1</sup> a stimulation of the energy metabolism of the cells by over 70% was determined, which indicates a natural

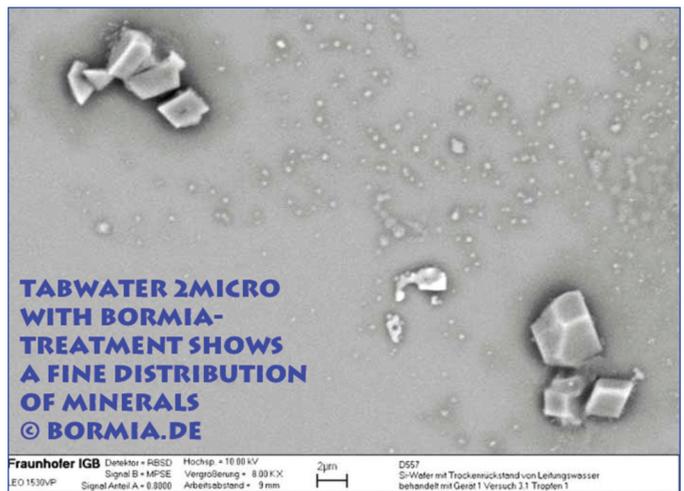
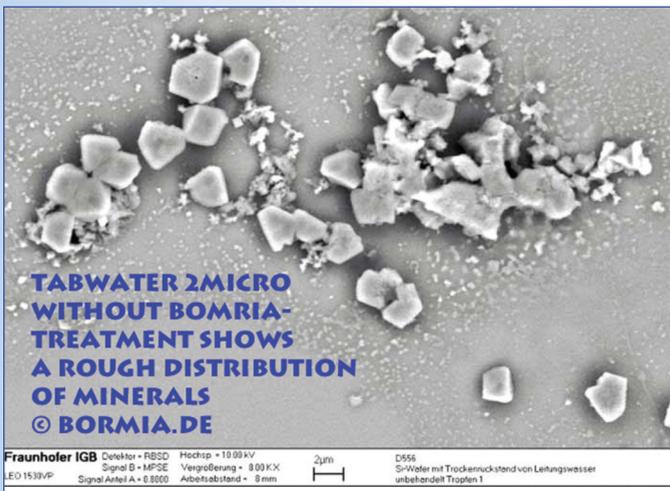
## Organische & kolloidbildende Homogenisation Organic & colloidforming homogenization

### Bormia®-Prinzip (Beschreibung)\* Bormia®-principle (description)

\*  
Zeichnung für Rechts- & Linkszirkulation  
Drawing for reight- & leftrotation



Fluidmedium kann sein: Wasser, Milch, Saft, Wein, Bier etc., Mixturen davon und techn. Flüssigkeiten!  
Fluidmedium can be Water, milk, juice, wine, beer, etc. mixtures of it and also technical fluids.



Scanning electron microscopy of tap water (Fraunhofer Institute, Germany)  
 Picture left: 2  $\mu$ , water without Bormia treatment, coarse accumulations of the ingredients are visible.  
 Picture right: 2  $\mu$  Picture with Bormia-treatment... there is a large separation of the ingredients (minerals).

correspondence of nature technology (bionics) with the organic world.

In comparison to conventional homogenization, this means that natural principles have a constructive and enriching effect in the processing process. Conventional-technical variants disassemble natural bio-photons (structural forces) and thus cause physiological degradation, which reduces the natural minimum storage life of the products, bioavailability and nutritional values. The bio-variant, on the other hand, produces a quality-enhancing fusion of fats, proteins and liquids to form a colloidal, highly structured (coherently) product. The product becomes coherent. Whereas in technical homogenization the colloidal is only seen as an order of magnitude of substances, organic homogenization is about the new symbiosis between chemistry (substance) & physics (energy), the union of both polarities. This causes an energetic increase of the substances. In practice, the cream of milk treated with Bormia continues to frame (cream) up, but by shaking it once, it is immediately equally distributed and becomes homogenous... In terms of taste, this form of homogenized milk is perceived as creamy or creamy milk.

In physics, dispersion is the dependence of a physical quantity on the frequency of a wave. In technically homogenized liquids, particle sizes with a diameter between approx. 1 and 1000 nanometers are visible in the optical microscope. The Bormia Bio-Homogenizer produces particle sizes up to 3,000 nm. The following pics explain themselves.

#### Pioneer of organic homogenization

This organic technology was first discovered by anthroposophical researcher and artist Paul Schatz ([www.paul-schatz.ch](http://www.paul-schatz.ch)). His works are based on the Oloid, which thematized 'inversion' as a/the principle of evolution. His technical device for this is the Turbola ([www.wab.ch](http://www.wab.ch)). P. Schatz joined the colloid research that had existed since the 1920s and expanded this pool of knowledge with his insights into the laws of nature. The Turbola is used very successfully in the pharmaceutical industry as a mixer without back mixing. The Bormia Bio-Homogenizer works according to the same principle. Inversion is, figuratively speaking, similar to a sock (if one holds it at a point on the toes) which is turned from the inside out. Schatz achieved this inversion through the 3D lemniscatic movement<sup>4</sup>, which is known as the universal symbol of harmony in mathematics. However, the Turbola mixer is not based on a dynamic natural rhythm, as in the

Bormia device. It is also limited to single batches of max. 1000 Ltr./kg and time-consuming. In comparison, the BIO homogenizer is a cost-effective and space-saving permanent process for liquids of all kinds, which is installed in the transport pipe (behind the pump) and does not require a separate process step. It is to be operated only with a constant 2.5<sup>o</sup> bar.

#### Summary

The Bormia principle introduces a quantum leap in food processing technology. In the WIN-WIN concept, it serves manufacturers in terms of costs, space, production simplification, etc., retailers in terms of a longer minimum shelf life (enhanced germ stability) and consumers in terms of food quality. Jumps in innovation such as these are more frequently possible if our technology is oriented towards the development of natural principles in the sense of "understanding nature & copying nature" (Viktor Schauberger). The Bormia<sup>®</sup> Bio Spring-Water-Generator as well as the Bormia<sup>®</sup> Bio Homogenizer will sustainably enrich the production world.

#### References:

- 1 See: Innovations in Food Technology | May 2018 | edition 58 | [www.innovationsfood.com](http://www.innovationsfood.com)
- 2 When the whirler is used in water treatment, the bio spring water generator produces a bluish lighter effect compared to untreated tap water. This is due to the nanometry of the substance and the information cluster (cleaning effect).
- 3 The natural processes are one process step... nature works according to the principle of generating a 'maximum return' with 'minimal effort' (MiniMax principle). Organic processes are highly efficient and do not cause collateral damage.
- 4 <https://en.wikipedia.org/wiki/Colloid>, <https://www.britannica.com/science/colloid>.

Address for correspondence see below.



Natur Pur<sup>®</sup> – BORMIA.de<sup>®</sup>  
 Gute Laune Trinken<sup>®</sup>  
 N. K. Althoff  
 Zwischen den Wegen 27  
 D-88696 Owingen  
 Germany  
 Tel: +49 (0)7551 9472111  
 Fax: +49 (0)7551 9472112  
 Email: [mail@bormia.de](mailto:mail@bormia.de)  
[www. Bormia.de](http://www.Bormia.de)