

GRANDER® PRESS INFORMATION



# GRANDER® PRESS KIT

THE UNIVERSAL POWER OF WATER

## TABLE OF CONTENTS

### GRANDER® - THE ORIGINAL REVITALIZED WATER

Revitalized water means a better life  
The GRANDER® effect: visible and tangible benefits  
Pure water from the Copperplate mine as the basis  
Johann Grander: Tyrolean inventor of water revitalization and student of nature  
In-house research laboratory  
Research proves effectiveness and short payback periods  
Theoretical fundamentals of GRANDER® water revitalization scientifically proven  
Facts & figures  
References  
Photo credits

### GRANDER® AT HOME & FOR HOUSE CONSTRUCTION

### GRANDER® IN YOUR DIET

### GRANDER® IN THE CATERING & HOTEL INDUSTRY

### GRANDER® IN WELLNESS FACILITIES & SPAS

### GRANDER® IN AGRICULTURE

### GRANDER® IN TRADE & INDUSTRY

### GRANDER® IN HEATING

### GRANDER® - THE ORIGINAL REVITALIZED WATER

#### Revitalized water means a better life

---

**GRANDER® water revitalization is based on a natural principle of information transfer. Non-contact information exchange from water to water is a physical singularity first utilized by Johann Grander in the late 1970s.**

Johann Grander (1930 – 2012) – known as the “Aqua-Man” from Tyrol – is the discoverer and inventor of water revitalization and founded the family company more than 40 years ago. The GRANDER® brand has been registered as an international brand since 1996 and the GRANDER® products are used all over the world. The Tyrol-based family business managed by Johann Grander jun. employs close to 30 people at its headquarters in Jochberg. Around the world, several hundred people make their living in water revitalization.

GRANDER® water revitalization is used in the following fields: **private homes** (flats, single- and multi-family houses), in the **hospitality & wellness industries** (restaurants, hotels, cafés, swimming pools, spas, yoga and fitness studios, public facilities, etc.) as well as in **trade & industry** (businesses in agriculture, food production, and industry).

#### The GRANDER® effect: visible and tangible benefits

---

The fundamental notion of water revitalization is to increase the water’s self-cleaning properties and resilience by improving its structure, thereby making the water what it originally was: powerful and natural. GRANDER® revitalized water increases the well-being of people, helps protect our biosphere, saves resources and optimizes their use.

#### **GRANDER® revitalized water stands for:**

- Enjoyment & good flavor
- Vitality & well-being
- Growth & yield
- Optimization & economization
- Environmental protection & conservation of resources

### **Benefits of GRANDER® water revitalization:**

- Highly enjoyable drink due to its delicate and full-bodied flavor
- Increased storage life due to changes in the water's microbiological setup
- Luxurious bathing experience through significantly softer water
- Better health of animals, as animal breeders and owners enthusiastically report
- Strong growth of plants and an abundance of flowers
- More intensive taste of food and coffee/tea that is gentle on the stomach
- Less and easier-to-remove lime deposits
- Reduces corrosion
- Cost savings due to reduced use of cleaning agents and chemicals
- Energy savings due to more effective heating
- Does not need electricity, chemicals, or other extras to work
- Returns to the natural cycle in a revitalized and natural way, which helps conserve and protect nature

### **Water in its purest form from the Copperplate mine as the basis**

---

The journey of GRANDER® revitalized water starts in Jochberg near Kitzbühel, where a spring of extraordinary quality, the Stephanie Spring, emerges in a mine 520 meters below the surface, far away from any external influences. This water is carefully transported to the production site and revitalized in several stages. It forms the base for the highly coherent functional water in GRANDER® devices. It is also the raw material for the Original GRANDER® Blue Water, which is still bottled at the production site to date.

### **Johann Grander: Tyrolean inventor of water revitalization and student of nature**

---

Innovative mind Johann Grander was far ahead of his time. He clearly saw groundbreaking causalities, many of which were only understood and appreciated by the scientific community and the public many years later. Throughout his life, he received awards and honors for his accomplishments and lifetime achievements. In 2000, he was the first Austrian to receive the silver medal of honor from the Russian Academy of Natural Sciences, which counts many Nobel Prize winners among its members.

In 2001, Johann Grander was awarded the Austrian Cross of Honor for Science and Art for 'his lifetime achievement, the discovery of water revitalization.'

In 2003, he received an extraordinary token of honor by the Russian Environmental Fund. After performing deep drilling in the Antarctica, scientists were able to collect 2,000-year-old ice – ice that predates the Christian era.

Only **six people** in the world - for example

- Patriarch Alexy II (Primate of the Russian-Orthodox Church 1990–2008)
- John Paul II (Pope 1978–2005)
- Johann Grander (1930–1912)

have so far received this unique present in acknowledgment of their extraordinary achievements.

### **In-house research laboratory**

---

Implosions Photonenfeld Forschung und Vertrieb (IPF) GmbH is a company of the GRANDER® Group, which works in **R&D** focusing on questions regarding water. IPF cooperates with international institutes, scientists, and universities in its R&D activities. GRANDER® is a member of the research group 'Applied Water Physics' of the Dutch Wetsus water research institute, which is coordinated by Dr. Elmar Fuchs (TU Graz – floating water bridge). This and other projects keep GRANDER® up to date about current findings of water research.

Many well-known international scientists have traveled long distances to Jochberg in Tyrol to talk to Johann Grander, his family, and the research staff. One of them was Professor Eshel Ben-Jacob († 2015), the former president of the Israel Physical Society and one of the most famous physicists in the world. GRANDER® is still in close contact with Dr. Elmar Fuchs of Wetsus and Professor Gerald H. Pollack, professor for Bioengineering at the University of Washington (UW) in Seattle, to this date.

### **Research proves effectiveness and short payback periods**

---

#### **Empirical study by the University of Graz brought positive results on the effects of GRANDER®**

Dr. Stefan Vorbach, professor at the former Institute for Innovation and Environmental Management of the University of Graz, advised Katrin Zunkovic on her thesis titled 'GRANDER® as an example of water revitalization – an empirical survey among industrial users.' For this study, Katrin Zunkovic asked 32 industrial companies in Austria, Germany, and Switzerland about the operation principle, costs, and benefits of GRANDER® water revitalization.

Half of the companies surveyed had one to three years of experience with GRANDER® water revitalization. Forty-six percent of the respondents had worked with GRANDER® for more than four years.

When asked about cost efficiency, 84 percent of the respondents reported that the use of GRANDER® water revitalization had resulted in savings, more specifically:

- Less chemicals, maintenance, and cleaning
- Reduced disposal costs
- Costs savings due to longer service time of the liquids

With regard to cost effectiveness and payback periods, Katrin Zunkovic published the following results:

|        | Costs     | Savings    | Payback periods |
|--------|-----------|------------|-----------------|
| Mean   | EUR 7,006 | EUR 10,201 | 1.8 years       |
| Median | EUR 5,300 | EUR 4,200  | 1.3 years       |

### **Scientific proof for increased plant growth due to GRANDER® revitalized water**

In 2004, Heidrun Schinagl completed her dissertation on the topic of ‘Survey of the effects of plant strengtheners on growth, yield, and quality of horticultural crops’ at the Institute of Horticulture and Viticulture of the University of Natural Resources and Life Sciences, Vienna.

Her research produced compelling evidence: the use of GRANDER® revitalized water resulted in an improved aftercrop and extended storage life of head lettuce. With regard to tomatoes, an increase in yields, an increase in the number of fruits in the ‘Extra’ quality class (the highest quality class), improved black rot resistance, higher levels of vitamin C as well as no tearing of the skins were reported.

Based on the results of her dissertation, which were published in the magazine ‘demeter zeitung,’ Dr. Heidrun Schinagl recommends the use of GRANDER® revitalized water when growing tomatoes.

### **Theoretical fundamentals of GRANDER® water revitalization scientifically proven**

---

To celebrate the company’s 40th anniversary, an international water symposium took place in September 2019, at which the scientific evidence of the basics of water revitalization was presented to the public for the first time.

The scientific, peer-reviewed paper “Strong Gradients in Weak Magnetic Fields Induce DOLLOP Formation in Tap Water” proves the difference between treated / revitalized and regular / unrevitalized water. The paper was written by Martina Sammer, Cees Kamp, Astrid H. Paulitsch-Fuchs, Adam D. Wexler, Cees J.N. Buisman and Elmar C. Fuchs. The scientific studies explain part of the GRANDER® effect.

### **Modified deposition behaviour**

Without revitalization, dissolved lime crystallizes on the pipe walls and narrows the cross-section of pipes. When revitalized, a high concentration of DOLLPS is created in the water (these act like tiny crystallization nuclei for the lime) and thus the crystallization starts immediately in the water and only slightly on the pipe surfaces. As a result, the crystals no longer adhere to the pipe but are washed out with the water stream.

Benefits of water revitalization in terms of deposits

- revitalized water tolerates a higher degree of hardness without forming deposits
- when combined with an ion exchanger the residual hardness can be set to a higher value
- saves costs for chemicals, electricity and maintenance
- water has a better taste

### **Enhanced self-cleaning power**

The background flora of a water (indigenous bacteria) acts like an immune system and naturally protects water.

Benefits of water revitalization in terms of self-cleaning power

- Durability is prolonged
- post-pollution potential drops
- microbiological stability increases
- resistance of the water increases

Through the flow cytometry method, it can be shown that GRANDER® water revitalization strengthens the natural background flora and thus improves the resistance.

### **Microbiological stability**

In revitalized water, the natural background flora is more active and consumes more nutrients, so undesirable bacteria cannot establish themselves easily.

Benefits of water revitalization in terms of higher microbiological stability

- revitalized water remains stable even with higher nutrient content
- saves costs for chemicals, electricity and maintenance

Current research results and detailed information on the scientific paper:

[www.grander.com/wasserforschung](http://www.grander.com/wasserforschung)

### Facts & figures

---

- The following companies are part of the GRANDER Group:
  - GRANDER GmbH (technology, production, know-how)
  - GRANDER Wasserbelebung GmbH (sales Austria and Germany)
  - Grander Italia S.R.L. (sales Italy)
  - Grander Export GmbH (sales export)
  - IPF GmbH (R&D)
  - Copperplate mine
    - Only active copper mine in Europe
    - Home of the Stephanie Spring, which provides the water used in all GRANDER® products
- Management: Johann Grander, supported by his siblings Johanna Grander, Stephanie Filzer, Heribert Grander
- Export ratio: over 75%
- Total size of the Jochberg production site: 6,400 m<sup>2</sup>
- Products:
  - GRANDER® Inline Units for drinking water
  - GRANDER® Circulation Units for heating and cooling circuits
  - GRANDER® Energy Rods for standing waters, wells, pools, and ponds
  - Original GRANDER® Blue Water
  - GRANDER® accessories like energy boards, penergizers, pendants, sulfate water, drinking glasses, carafes, and drinking bottles
  - GRANDER® Drinking Fountains
  - Sanomag® – interference-elimination and therapeutic device based on natural magnetism
- Business segments:
  - Private homes
  - Hospitality and wellness industries
  - Trade and industry



### A small sample of our satisfied customers

---

- Hotel Weisses Rössl, St. Wolfgang, AT
- Spanish Riding School, Vienna, AT
- Vienna International Airport, Vienna, AT
- Maschinenfabrik Liezen machine factory, Liezen, AT
- Stiegl brewery, Salzburg, AT
- Hotel Rasmushof Kitzbühel golf resort, Kitzbühel, AT
- Große Kintrup dairy farm, Münster, DE
- Naturkäserei Tegernseeland organic cheesery, Kreuth, DE
- Dentist Dr. Geiger, Waldstetten, DE
- Municipal garden center, Füssen, DE
- Königliche Kristall-Therme Schwangau spa, Schwangau, DE
- wasch:werk laundry services, Sonthofen, DE
- Schloss Elmau luxury spa retreat, Elmau, DE
- Dresdner Christstollen, Dresden, DE
- Memminger Brauerei brewery, Memmingen, DE
- B+H Solutions fertilizer manufacturer, Remshalden, DE
- Thierry Schweitzer organic pig breeder, Alsace, FR
- Weleda, Alsace, FR
- Migros Fitnesspark, Lucerne, CH
- Golfpark Oberkirch, Oberkirch, CH
- Blu Fit, Bergamo, IT
- Quellenhof, Lazise, IT
- Spirit Hotel Thermal Spa, Sárovar, HU
- International Hotel and Spa Calgary, Calgary, CA
- Lido Hotel Guangzhou, Guangzhou, CN
- Atrium Athletic Club, Bangkok, TH
- Austrian Embassy in Kuala Lumpur, MY

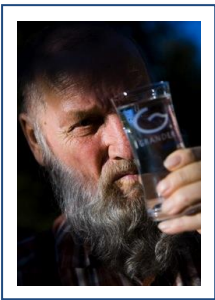
More examples at [www.grander.com](http://www.grander.com)

## GRANDER® PRESS INFORMATION



### Images you can use free of charge

---



Captions (from left to right):

1. Johann Grander (1930–2012): inventor of water revitalization and student of nature ©Werner Krug
2. Manager and family spokesman Johann Grander
3. GRANDER® devices work without chemicals and electricity and do not require maintenance ©defranceso

**Images and logos in print quality (300 dpi) are available free of charge at:**

GRANDER® Press Department | Karin Wagner | Bergwerksweg 10 | A-6373 Jochberg

Phone: +43 664 7502 1778 | [presse@grander.com](mailto:presse@grander.com) | [www.grander.com](http://www.grander.com)