



Draw quality from your own water sources

Intelligent Grünbeck technology for private water supply

grünbeck

Because we know how important your water is.



Grünbeck renders your water supply particularly efficient as the technology applied is based on a prior water analysis and consultation. You will use the best suited technology, sustainably and energy saving. It is so easy to do right by yourself and the environment. You use water every day – for cooking, around the house and for body care. And you trust that the water quality always meets your standards for hygiene and safety. Grünbeck wants to make sure that it stays that way. Ever since we started in this business, we have committed ourselves to trendsetting ideas and intelligent technologies for reliable water purity. As your well-being and your assets deserve particular care.

Grünbeck technology for:

- Isolated farms
- Forester's lodges
- Isolated homes
- Camp grounds
- Mountain lodges
- Mountain restaurants

Clear, healthy water. From every well.

Grünbeck makes treatment easy. With large-scale systems, which ensure the water quality of entire neighbourhoods. And with efficient small-scale systems for private water supply. Even in challenging environments, pure water flows from your pipe in the end, preserving the value of your pipes, household appliances and fittings.

Rely on the best water possible. And all its advantages:

- Sturdy technology for almost any application
- User-friendly, automatic control unit
- Consultation and customer care on site
- Little installation efforts required
- Little space required

Ultrafiltration: Ultra-pure drinking water for your health.



Ultrafiltration system ultraliQ:SB2000 with front cover



Ultrafiltration system ultraliQ:SB2000 without front cover

The ultrafiltration system ultraliQ removes all undissolved impurities from your water and reduces microbiological loads such as bacteria, viruses and parasites. This is ensured by the key components of the system: the filter membranes with a cut-off of 0.02 µm.

In order to remove the filtered micro-organisms from the filter membranes again, a fully automatic backwash takes place at freely adjustable time intervals. For an optimal result, the backwash process is carried out with filtered, pure water, which is stored in an integrated pressure tank.

In this process, the flow through the membranes is reversed and while the pathogens are reliably removed, all dissolved natural minerals still remain in your drinking water. The ultrafiltration system ultraliQ thus provides you with healthy drinking water of the highest quality.

Ultrafiltration for pure drinking water without any worries:

- Reliable removal of undissolved impurities and pathogens from the drinking water
- Safe removal of filtered micro-organisms thanks to fully automatic backwash
- All dissolved natural minerals remain in the drinking water
- Continuous supply of pure drinking water – even during backwash

Nanofiltration: Proven technology for the best water.



Ion selector NANO-X

Drinking water has to meet strict guidelines. And that's a good thing, too. Only complying with all the limit values, reliably protects your health and efficiently preserves installations as well as pipes. Therefore, we from Grünbeck attach great importance to first-class technology. Nanofiltration for partial demineralisation and partial softening removes excess sulphates, nitrates, chlorides and fluorides from the water so that all legal requirements are fulfilled. It is also perfectly suited for small-scale systems, offers high quality of life and in addition sets standards when it comes to sustainability.

Ion selector NANO-X:

- **Partial demineralisation of raw water**
- **Reduction of, for instance, sulphates, nitrates, chlorides and fluorides**
- **Partial softening without any regeneration salt**
- **Reduction of trace substances**

Oxidation and filtration: Several process stages cleverly combined.



Oxidation filter system fermaliQ:MA 3000 including front cover

QR code for product clip:



The oxidation filter system fermaliQ is a multi-stage filter system to reduce iron and manganese. What's so special about it: several process stages are combined in one system.

First, odorous substances such as hydrogen sulphide or ammonium are effectively reduced thanks to the oxidation process. The outgassing of free carbon dioxide simultaneously increases the pH value. Subsequently, several filter layers ensure that iron and manganese as well as other impurities are removed from the water. A fully automatic backwash process with freely adjustable time intervals then removes the accumulated particles from the filter layers. For an optimal result, this backwash process is carried out with filtered, pure water which is stored in a pressure tank installed downstream. You as a self-supplier are thus provided with water of excellent quality.

Multi-functional filter system for optimal water quality:

- **Reliable reduction of odorous substances, hydrogen sulphide and ammonium**
- **Increase of pH value**
- **Effective filtration of impurities**
- **Reduction of iron and manganese**
- **Safe removal of all filtered impurities thanks to a fully automatic and monitored backwash**
- **Closed filter tank for maximum hygiene and safety**

Filtration: Clear water not only to the eye.



Filter system GENO-mat



Nitrate filter WINNI-mat VGX-N

Grünbeck changes views. And reliably produces pure water in an environmentally friendly way. Depending on the type of filter material, either impurities, ferrous or manganese components are reduced. By means of a fully automatic backwash, the retained impurities are discharged to the drain. Activated carbon filter fillings are used for dechlorination and the improvement of odour and taste. The water is deacidified by means of natural calcium carbonate and the drinking water system is thus protected from corrosion. Nitrate filters act as ion exchangers and replace the nitrates originating from fertilisers by harmless chlorides. As a self-supplier, you may thus enjoy clear water, which is refreshing and tasty.

Filtration for the most versatile applications:

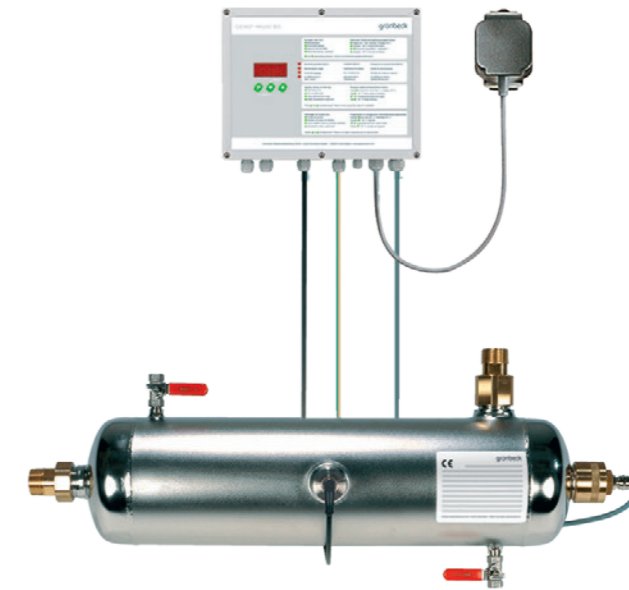
Filter system GENO-mat:

- Filtration of impurities
- Reduction of iron and manganese
- Improvement of odour and taste
- Dechlorination
- Deacidification and increase of pH value

Nitrate filter WINNI-mat VGX-N:

- Reduction of nitrates
- Fully automatic regeneration

Disinfection: Here, only one thing is growing – the feeling of safety.



UV irradiation by means of GENO-UV-60 S

Water stands for quality of life. Provided that it is mostly germ-free. Thanks to Grünbeck's progressive technology, this can easily be achieved by self-suppliers as well. There are several progressive processes to choose from. All technologies also work efficiently in small-scale systems and even achieve ambitious disinfection results. And automatically, the "Grünbeck feeling" will set in: The knowledge to have done the best for your own water quality and consequently the well-being of your family and the preservation of your assets.

Competence of the disinfection process:

- Irradiation of the water with UV light
- Physical disinfection process
- Certified according to DVGW worksheet W 294-2



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