



# **WATER FOR STEAM GENERATION**

ALL-ROUND PROTECTION FOR OVENS, COMBINED  
STEAMERS & CO.





# WATER IS AN ASSET FROM NATURE

*By the time water flows into our machines as raw water, it has a long journey behind it. On its way through various layers of earth and rock into the groundwater, it absorbs various substances, e.g. minerals and soluble salts, thanks to its extraordinary dissolving power. These include calcium, which tends to be undesirable in water. The geology, soil use by people, treatment in waterworks and the pipeline system through which water reaches households determine the composition of local drinking water.*

*The highest quality and hygiene standards apply when treating raw drinking water and when transporting it into households. However, the procedures used in waterworks do not necessarily aim at producing the best possible water for use in hospitality. This is why specially optimizing the water at the point of use for applications in large kitchens, especially in dishwashers and combined steamers, is definitely advisable. BWT water+more water optimization systems don't just ensure crispy pastries come out of the oven and delicious, crunchy vegetables from the steamer – they simultaneously protect valuable machinery from limescale deposits and thus from downtime.*

## **DRINKING WATER, RARE AND PRECIOUS**

- *70% of the Earth's surface is covered with water. 97.5% of water volumes worldwide are salt water, less than 1% is usable fresh water.*
- *About 70% of the drinking water in Germany comes from groundwater reserves, 30% comes from springs or is treated surface water, e.g. from Lake Constance.*



OUR DRINKING WATER IS OF  
**OUTSTANDING  
QUALITY**



*But directly from the tap it's not really suitable for generating steam in combined steamers or in ovens, because the otherwise highly valuable minerals would lead to unwanted deposits. This would result in a deterioration in the performance of these high-quality appliances until they stop working.*

**STEAM IN OVENS**

Whether it's a compact shop oven or a complete baking station – both need pure steam. With perfect steam, bread rolls, croissants etc. will turn out well, the innovative baking technology will be preserved and downtime will be avoided. The windows at the fronts of ovens will keep clear and the oven itself will remain free of deposits.

**NO KITCHENS WITHOUT STEAM**

No modern kitchen today can work without a combined steamer. These innovative "steam engines" can be used to serve food of perfect quality and large quantities right on the mark.

To do this, these all-rounders have to be in full working order around the clock. But if the quality of the water used to run the combined steamer is not right, the salts dissolved in the water will lead to deposits in the boilers, in the pipelines and in the cooking area.

This will result in frequent downtime and additional service calls. Water optimization specially calibrated for these needs will prevent these problems before they occur. This saves money and secures sales – anywhere, anytime.





# INTEGRATED TOTAL CONCEPT

## INTEGRATED TOTAL CONCEPT FOR COMBINED STEAMERS AND OVENS

BWT water+more has the world's largest product range for water optimization to generate steam in the restaurant trade. And we know which technology on site will produce the best result every time.

This means you can use the technology that will provide the best water, highly efficiently, and depending on the local water quality and water quantities required. We'll be pleased to advise you!

## FOCUS ON SUSTAINABILITY

Today, water optimization can make an important contribution to improving economic sustainability. Minimising service call-outs by providing fault-free systems and long service intervals saves CO<sub>2</sub>.

BWT water+more takes back all its filter cartridge systems after use and recycles them. Compact appliances, such as reverse osmosis appliances from BWT water+more, stand out thanks to high water yields and a long lifetime.

This means we actively support our partners' efforts to save the use of resources wherever possible.

# EFFICIENT SOLUTIONS FOR USE IN PRACTICE

## BWT WATER+MORE TECHNOLOGY

As Europe's leading water optimizer, we offer all the technologies needed to prepare the best water for every need. Whether it's basic limescale protection, cation exchange/water softening or de-mineralization/reverse osmosis, whether simple filter cartridges or an innovative system, whether for a little water or a lot of water at one location - our product range and know-how will enable you to install the very best solution.



BWT bestaqua ROC



BWT bestmax



BWT bestprotect



BWT bestclear EXTRA



# JUST A FEW STEPS TO THE RIGHT WATER OPTIMIZATION

The most efficient water optimization can be chosen from the entire BWT water+more product range for every local water quality level, every quantity of water needed, every water requirement and every space.

**EASY AND OPTIMAL.**



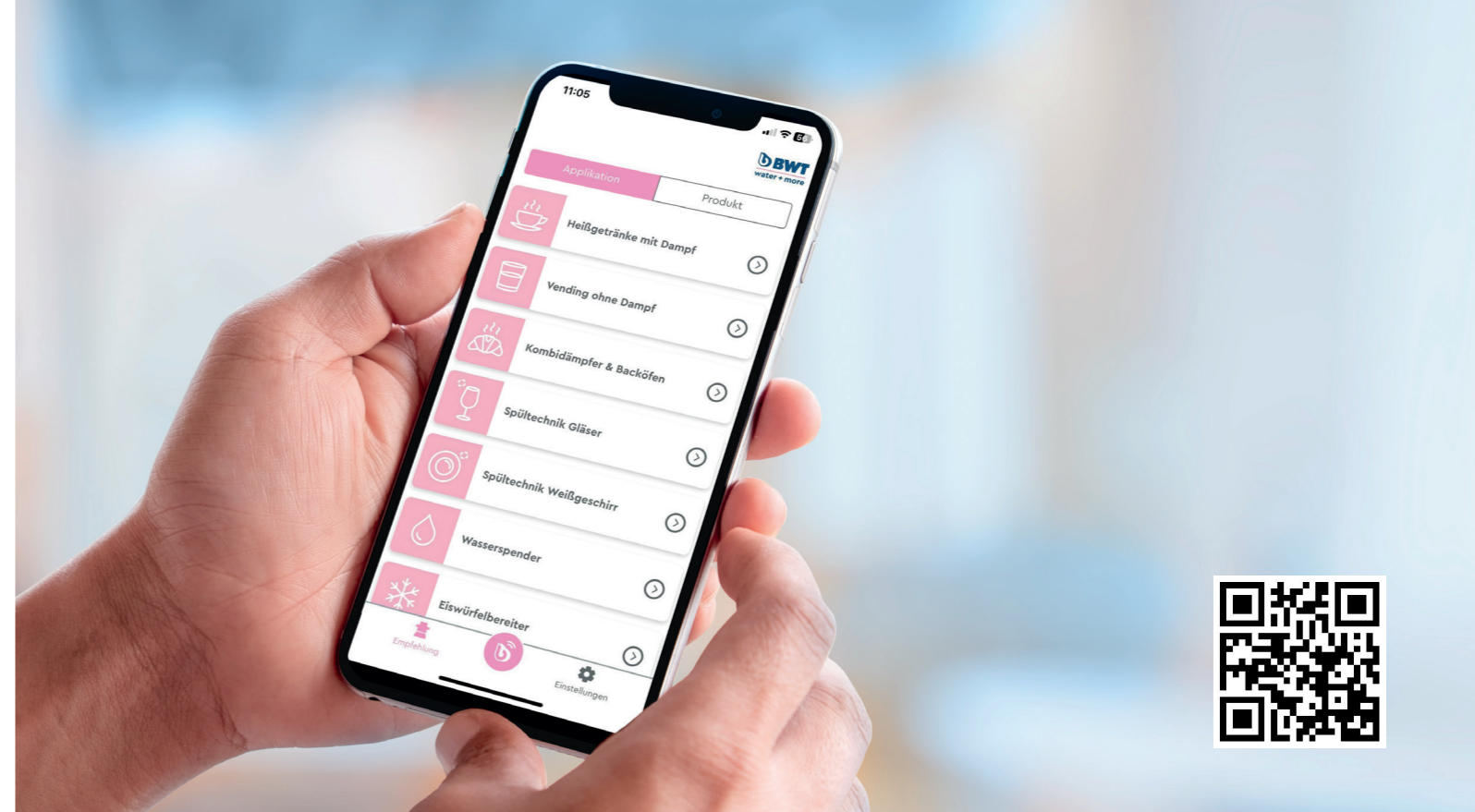
## DETERMINE THE LOCAL WATER QUALITY

- » Easy with the drip test
- » Measure general water hardness (GH)
- » Measure carbonate hardness (KH)

## BWT BESTHEAD FLEX FILTER HEAD – FOR ALL FILTER CARTRIDGES FROM BWT WATER+MORE



- » Safely stopped bypass setting with easy-view displays
- » Refined new connection technology for great flexibility when installing filters
- » EASY Vent flushing valve for easy and reliable purging
- » DVGW-tested check valve on the inlet and outlet
- » Safe filter changes with no water leakage



EASY SOLUTION AT YOUR FINGERTIPS

## BWT BEST WATER PROFESSIONAL APP

With the app (for smartphones or tablets), choosing the right filter system for the relevant application is child's play.

### THE SMART PRODUCT ADVISOR

All water has its own mineral composition, depending on where it comes out of the tap. Sometimes it's too hard or too soft and often contains unwanted chlorine compounds or off-flavours.

The good news: With the BWT Best Water Professional App for your smartphone or tablet, you'll be able to find the right product quickly and easily.

Users won't need to worry about the water at the point of use anymore because the systems from BWT water+more will perfectly optimize all raw water for every application. At the same time, they protect the machine from deposits and corrosion.

**With the BWT Best Water Professional App you'll be able to keep an eye on which of our BWT water+more products is the right one, anywhere, any time:**

One app for the right requirement – meaning the local water quality, the water quantity needed and the specific customer application – as easy, quick, secure and convenient as possible.

- » Enter the local water hardness, application and consumption and you'll be shown the right filters at the ideal size and replacement date.
- » Contains practical notes and information about water optimization to supplement the range.
- » Direct contact with your BWT water+more contact persons.

# SOLUTIONS & TECHNOLOGIES




EFFICIENT LIMESCALE PROTECTION FOR OVENS AND COMBINED STEAMERS THANKS TO CUSTOMIZED SOLUTIONS FOR EVERY WATER QUALITY AND WATER NEED.

## CONSTITUENTS OF RAW WATER

### NEUTRAL PARTICLES

-  Off-Flavours
-  Chlorine




### ANIONS

-  Sulphate
-  Carbonate
-  Chloride

### CATIONS

-  Calcium
-  Magnesium
-  Sodium
-  Potassium

### SOLIDS

-  Limescale [calcium carbonate]
-  Gypsum [calcium sulphate]
-  Particles

## FULL DESALINATION



**BWT bestaqua ROC**  
The Purist



**BWT bestclear EXTRA**  
The Desalinator

**Innovative reverse osmosis technology:** for high water demand and tough use in hospitality kitchens and bakeries. High performance and suitable for all raw or drinking water.

Salt content after filtration **very low**

**Water filter with full desalination technology:** for more average water demand in hospitality and constantly clean cooking areas for combined steamers and ovens.

Salt content after filtration **very low**

## CATION EXCHANGE



**BWT bestprotect**  
The Protector



**Water filter with cation exchange technology:** for more average water demand, prevents formation of limescale and gypsum and allows extremely quick cleaning of combined steamers and ovens.

Salt content after filtration **high**

## DECARBONIZATION



**BWT bestmax**  
The All-rounder



**Water filter with ion exchanger technology:** for more average water demand, fewer limescale deposits and easy cleaning of combined steamers and ovens.

Salt content after filtration **medium**



 **BWT**

**CHANGE  
THE WORLD**

*sip by sip*

SALES

**BWT Australia**

T: 1300 720 299 | E: [sales@bwtaustralia.com.au](mailto:sales@bwtaustralia.com.au)