



BWT bestmax PREMIUM — the taste expert

Gourmet water for the highest standards.

 **BWT**
water + more

BWT bestmax PREMIUM – filter system for water optimisation in t

A booming sector

The coffee sector is one of the booming areas of business in the catering industry. Cold-filtered coffees are providing new taste experiences; carefully-brewed French press coffees are trendy; espresso etc. are well established; premium vending is growing; and fine teas are also making an impact. Many young people and coffee and tea enthusiasts are turning their love into a profession by training as baristas or tea sommeliers and opening their own businesses. If you work with coffee and tea specialities professionally, then you know that good ingredients, the right technical equipment, good craftsmanship, knowledge, expertise, and above all a real passion are the very best foundation for earning money with tea and coffee.

Premium water

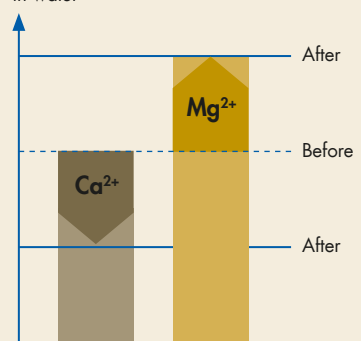
One ingredient is increasingly attracting the attention of professional baristas and tea sommeliers. That's right: we are talking about water – the process medium and extraction agent that makes up a not-insignificant 90–98 % of every coffee or tea. BWT water+more plays a crucial role in providing you with the right technologies and products for water optimisation.

BWT bestmax PREMIUM is the filtration solution that allows you to refine raw water into a premium water that satisfies the high standards of professional baristas and tea experts in every way.

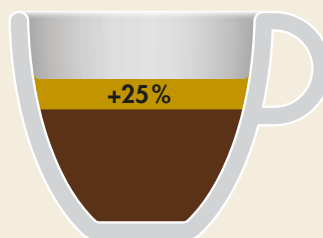
Technology goes Flavour

Magnesium is not only extremely significant physiologically, but is also considered an important flavour carrier – a fact that you can use to your advantage with BWT bestmax PREMIUM. Scientists at the University of Bath, UK, studied the influence of the Ca^{2+} and Mg^{2+} concentration on coffee extraction¹. They found that a higher Mg^{2+} content in water allowed the goodness of the coffee to be extracted much more effectively. Incidentally, this first scientific evidence is in line with experience gathered in practice. Customers report that their coffee and tea specialities taste even better when they start using BWT bestmax PREMIUM filters. These allow the flavours to sing out better and the crema on espressos becomes more homogenous, with finer pores and a good, deliciously melt-in-the-mouth consistency.

Relative cation content
in water



BWT bestmax PREMIUM alters the mineral balance in favour of magnesium (Mg^{2+})



Up to 25% better coffee extraction with gourmet water from BWT bestmax PREMIUM

¹ The Role of Dissolved Cations in Coffee Extraction, Christopher H. Hendon et al., J. Agric. Food Chem. 2014, 62, 4947–4950

² Innovation Prize of the State of Upper Austria, 2011



Off flavour – no thanks!

Just like all our filter solutions, BWT bestmax PREMIUM also has a multi-stage design. With multiple filter levels arranged in series, you can remove not only particles such as sand and rust but also dissolved organic compounds, as well as reducing the heavy metal, chlorine and chlorine compound content. Even the finest particles and colloidal suspended matter are filtered out of the raw water. Another truly special feature: BWT bestmax PREMIUM also optimises the water fed in through the blend partial flow, in order to completely remove all off flavour components from the water.

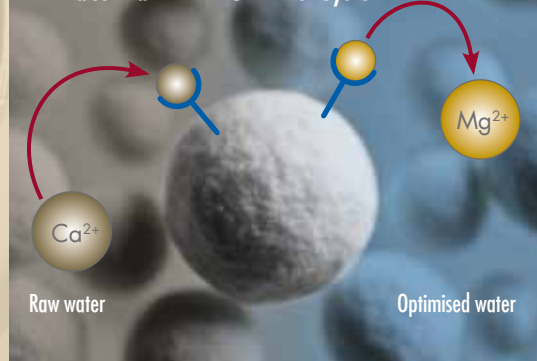
Limescale source – no thanks!

In addition to the outstanding sensory qualities that BWT bestmax PREMIUM undoubtedly brings to the coffee and tea community, it still begs the question of whether this filter system also produces the necessary performance in terms of calcium minimisation. Is it really a good idea to release Mg^{2+} – a limescale former just like Ca^{2+} – into the water?

This concern is entirely unfounded: BWT bestmax PREMIUM has sufficient capacity to sequester Ca^{2+} and remove it from the water in the correct quantity. In addition, the Mg^{2+} it is replaced with is much less prone to forming difficultly-soluble carbonates than its equivalent Ca^{2+} . Nature helps us here, as magnesium carbonate is approximately ten times more soluble than the equivalent calcium compound. BWT bestmax PREMIUM thus undoubtedly has the necessary limescale prevention power to protect your coffee and vending machines reliably against limescale deposits and their consequences.



High-performance ion exchanger in the BWT bestmax PREMIUM filter system



Removes calcium (Ca^{2+} , causes hardness) from the raw water

Mineralises the optimised water with magnesium (Mg^{2+} , flavour carrier)



Customer benefits at a glance

1

Outstanding technology

- Multi-stage filter with BWT Magnesium Technology
- Mineralises water with the flavour carrier magnesium
- Adjusts the mineral ratio in favour of magnesium
- Removes all unwanted off flavour by-products
- Integral optimisation of main flow and blend water in partial flow

2

Excellent in practice

- For coffee, coffee specialities and tea in the catering and vending industries
- Premium water with high extraction power
- Efficient and reliable limescale prevention for all machines
- High sensory quality of the water and the products made with it
- Flexible: just one universal filter head for all filter types and sizes
- Comprehensive service from trained support point dealers and partner companies

3

A highlight economically

- High capacity, infrequent filter replacement
- Lower energy costs
- High availability and uninterrupted machine running times
- Value retention for investments





Huge leverage

With BWT bestmax PREMIUM, you have a unique tool that gives you a crucial advantage for water optimisation in the catering industry: the optimised extraction will be able to develop its typical flavours in full. This allows the natural taste nuances in your speciality coffee in particular to stand out much more clearly. If you would like to try BWT bestmax PREMIUM for yourself, please contact your local service partner or visit us at www.bwt-wam.com.

BWT Magnesium Technology

BWT bestmax PREMIUM is the only filter system in the world to use the patented BWT Magnesium Technology, which has been awarded an innovation prize². One of the filter levels of BWT bestmax PREMIUM contains a high-performance ion exchanger that carries out two functions at the same time. It is able both to remove the calcium (Ca^{2+}) – which is responsible for limescale in coffee machines – from the water and to mineralise the water with magnesium (Mg^{2+} , see graphic). This is a good exchange, as BWT bestmax PREMIUM not only adjusts the mineral ratio in favour of magnesium, but also pays off in a wide range of ways in beverage preparation in the catering and vending industries.



Product solutions from BWT water+more

BWT water+more offers the catering industry filtration systems with which you can optimise water: for limescale prevention in your machines and for the high sensory quality of the water and the products you make with it. With our products

- BWT bestmax – the all-rounder,
- BWT bestprotect – the protector,
- BWT bestmax PREMIUM – der the taste expert and
- BWT bestmax BALANCE – the natural one,

you can optimise almost any water, anywhere, for any catering application. Use the experience and technologies of BWT water+more to supply your business and your processes with the perfect water efficiently! Find out more at www.bwt-wam.com.



BWT – die international führende Wassertechnologie-Gruppe

Die BWT-Gruppe ist heute flächendeckend in Europa mit eigenen Tochter- und Beteiligungsgesellschaften präsent. Wasser- und umweltschonende Technologie sowie ein internationales Nachhaltigkeitsmanagement im Hinblick auf Kunden, Mitarbeiter, die Umwelt, Marktpartner und die Gesellschaft bilden Verantwortung und sind Auftrag für das Unternehmen. Das Lebenselixier Wasser und die steigenden Ansprüche an die Sicherheit, Hygiene und Gesundheit im täglichen Leben eröffnen viel versprechende Aufgaben. Aufbauend auf der starken europäischen Marktposition arbeitet BWT konsequent an der Realisierung der Vision: Water technology for a better life!



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