

Woda Pure Systems with Magnesium Enrichment

For better taste and healthier water



2019

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For You and Planet Blue.



Interesting facts about Magnesium

Magnesium instead of Calcium to prevent lime scale formation!

Although not only Calcium but also Magnesium belongs to the so called hardeners, magnesium carbonate has a lower tendency to form lime scale than calcium carbonate.

Magnesium is a flavor carrier!

The magnesium mineralized drinking water brings the aroma of tea and coffee to their best advantage. Also enjoyed pure it convinces with a gourmet taste. Thanks to magnesium, the water is perceived as particularly natural, balanced and fresh.

Magnesium for a better well-being and higher performance every day!

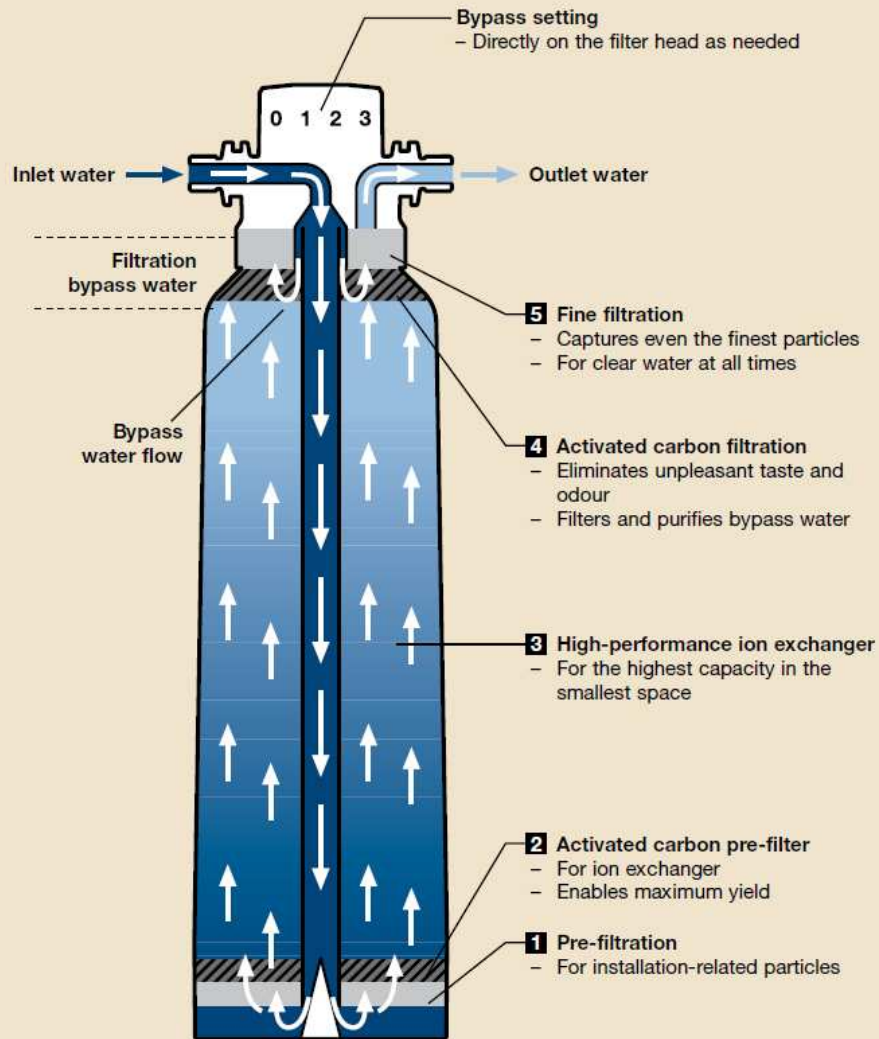
- maintenance of bodily nerves, muscles and bones
- Magnesium is vital for sustaining a normal heart beat
- reducing osteoporosis, eclamptic seizures, and maintenance of sugar level
- positive effects on asthma, diabetes, constipation, back pain and various psychiatric disorders

BWT Woda-Pure Clear Mineralizer

Flavor enhancement by softening and Magnesium enrichment



BWT Woda-Pure Clear Mineralizer



High efficient Exchanger



1. Particle Retention
2. Organics (taste and odor) and Chlorine removal
3. Removal of Ca^{2+} -Ions and replacement by H^+ and Mg^{2+} -Ions
-> **Softening by Magnesium-Enrichment**
4. Organics (taste and odor) and Chlorine removal for the blending water
5. Particle Retention for the blending water

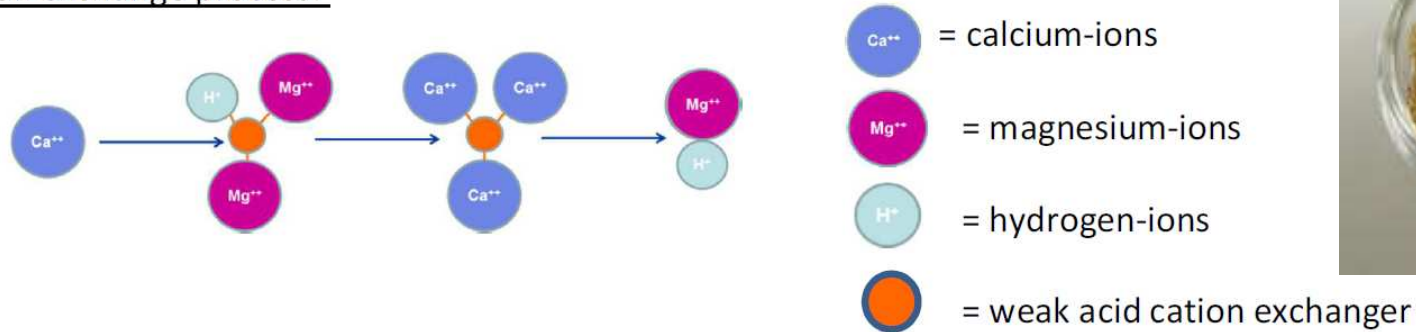
Please note:

- Head with bypass blending required (for adjusting the residual hardness to the optimal taste level)

- Prefiltration (~5 μm) required

The core filter media – weak acid cation exchanger

Ion exchange process:



- Selective Cation Exchanger
- Organic Polymer Material
- Replacing Ca²⁺ by Mg²⁺ and H⁺ (and not by Na⁺ as a standard softener resin)
- Also restraining Cu²⁺ and Zn²⁺ Ions if present in the water
- Please note: By enriching with Hydrogen (H⁺) Ions the pH-value is slightly decreased → higher corrosion potential -> SS tap after cartridge required

Application areas

Taste enhancement by water softening – Calcium reduction and Magnesium enrichment

- Drinking Water
 - the water is perceived as particularly natural, balanced and fresh.
- Tea Water
 - No taste disturbances and protection of boiler systems
- Coffee Water
 - No taste disturbances and protection of boiler systems

Thank you for your attention

For You and Planet Blue.

