Compact Scale Prevention Filters

Perfect water for a wide range of applications, means the best quality water, with high Oxygen and natural mineral content of Ca$^{2+}$ + Mg$^{2+}$

www.watchwater.de
Very Important: Water Should be low in "Hydrogen" H\(^+\) ions and Water Should be low in "Sodium" Na\(^+\) ions

To get a Special flavorful coffee, there must be mineral content in the water.

Special Filter is a compact Scale Prevention filters for easy installation and provides the best clarity water for drinking water, coffee machines and tea. Special Filter provides the best quality water with high Oxygen and natural mineral content. Once you try Special Filter’s water, then you will never drink bottled water again.

For good Tea or Coffee preparation a minimum mineral content of 150 – 200 mg/l (8.4 – 11.2 grains/-gallon) is essential for a good extraction. Water which is high in H\(^+\) ions or Na\(^+\) ions will result in weak and flavorless coffee. These Ion-Exchanged Hydrogen Ions and Sodium Ions will also corrode the internals of the machines. All Beverages should have water pH between 7.1 and 7.5

If the water pH drops below 7.1 all beverages cause ACIDOSIS.
WHY USE SPECIAL FILTERS?

- Reduce scale build up
- pH balanced
- Protect machines
- Saves expensive service costs
- Easy install/change
- No Phosphate
- No Sodium

APPLICATIONS

- Drinking water
- Water dispensers
- Restaurants/Cafes
- Offices
- Coffee machines
- Dishwashers
- Vending machines
- Ice makers
- Refrigerators

ADVANTAGES

- Removes visible limescale
- Guarantees high capacity (up to max. 12,000 (10") or 25,000 (20") liters)
- Removes substances that affect taste or odour
- Optimises the taste of food & drink
- Health-boosting minerals such as calcium and magnesium are retained (which is not the case with processes based on reverseosmosis/ion exchangers)
- Does not use any polyphosphates, sodium or pH-reducing hydrogen ions
- Protects expensive kitchen and catering appliances
- Environmentally friendly
- Does not produce any waste water
- Simple to use and time-saving
- Easy to assemble and service
- Contains limescale prevention beads

www.watchwater.de
SPECIAL FILTER-510 & 520 (TWO TECHNOLOGIES IN ONE FILTER)

With the new SPECIAL FILTER, a combination of high performance activated Carbon block integrated with Filtersorb-SP3 anti-limescale beads, you get fresh, crystal clear water 24 hours a day, 7 days a week. At the same time, the unique SPECIAL FILTER offers comprehensive protection from limescale. SPECIAL FILTER has a high capacity in the reduction of Scale, Chlorine, Lead, and Heavy Metals, Bad Taste and Odour, Cysts, and organics.

The Result: Best quality water with no more unsightly limescale deposits on fittings and tiles, no limescale build-up in coffee machines, steamer cookers, vending machine systems, reduced cleaning time, reduced costs for maintenance and repair due to corrosion.

ACTIVATED CARBON
IMPROVES ODOUR AND TASTE/ FILTRATION

Particles of dirt, turbidity, heavy metals and organic compounds such as herbicides, pesticides, or pharmaceutical residues are removed from the water through extremely fine activated carbon in the form of a block that surrounds the Filtersorb-SP3 limescale prevention beads. Also, chlorine and other substances present in water that has a negative effect on the taste, odour or food and drink are removed.

FILTERSORB-SP3
SCALE PREVENTION MEDIA BASED ON NAC TECHNOLOGY

Through the Filtersorb-SP3 anti-limescale beads inside the SPECIAL FILTER, the temporary water hardness (dissolved calcium bicarbonate) is transformed into micrometer-sized aragonite-crystals. Due to this change in its structure, the formed crystals can no longer attach itself to surfaces such as fittings, heating coils or pipes. This ensures lasting protection from limescale deposits of all kinds and their unwanted side effects.
SPECIAL FILTER-520UF (THREE TECHNOLOGIES IN ONE FILTER)

SPECIAL FILTER-520UF is a combination of high quality UF (Ultra-Filtration) technology with the top performance water purification activated Carbon block integrated with Filtersorb-SP3 beads inside. For you to get fresh, crystal clear water 24 hours a day, 7 days a week.

SPECIAL FILTER-520UF employ three different filtration technologies. Firstly, water passes through Carbon block which absorbed asbestos, cysts, lead, pesticides, trihalomethanes, chlorine and volatile organic compounds (VOCs). Secondly, Filtersorb-SP3 beads which is based on NAC technology; tranforms water hardness and protects from limescale and provide the best quality healthy water without the addition of Sodium or Phosphates. Thirdly, high quality Ultra Filtration membrane provide 0.1-micron filtration to eliminate bacteria and provide clean drinking water. The SPECIAL FILTER 520 + Ultra Filtration membrane provide a three in one technology and increases the filter efficiency to nearly double as compared to the other UF-filters available in the market. SPECIAL FILTER-520UF has a high capacity in the reduction of Scale, Chlorine, Lead, and Heavy Metals, Bad Taste, Odor, Cysts, Volatile Organic Compounds (VOCs) and Bacteria.

**Technology 1**: Carbon block

**Technology 2**: Filtersorb-SP3

**Technology 3**: Ultrafiltration Membrane

“**You will never drink bottled water again**”

www.watchwater.de
TECHNICAL DATA

### MEASUREMENTS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
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</thead>
<tbody>
<tr>
<td>SP 510</td>
<td>SP 510 (Complete with head)</td>
<td>280 mm</td>
<td>75 mm</td>
<td>75 mm</td>
</tr>
<tr>
<td>SP 510-R</td>
<td>SP 510 (Replacement cartridge)</td>
<td>480 mm</td>
<td>75 mm</td>
<td>75 mm</td>
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<tr>
<td>SP 520</td>
<td>SP 520 (Complete with head)</td>
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<td>75 mm</td>
<td>75 mm</td>
</tr>
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<td>75 mm</td>
<td>75 mm</td>
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</tbody>
</table>

### REDUCTION PARAMETERS

<table>
<thead>
<tr>
<th>Model Description</th>
<th>Chlorine, taste and odor</th>
<th>Sediment</th>
<th>Scale Prevention</th>
<th>UF</th>
<th>Bacteria</th>
<th>Capacity</th>
<th>Temp °C</th>
<th>Pressure Bar</th>
<th>Flowrate LPM</th>
<th>Filtration μm</th>
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<tbody>
<tr>
<td>SP 510-C</td>
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<td>Yes</td>
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<td>No</td>
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<td>12000</td>
<td>5-37.8</td>
<td>2-7</td>
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</tbody>
</table>

### QUICK EXCHANGE SYSTEM

- Insert
- Turn
- Ready to use

### FILTER REPLACEMENT

<table>
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<tr>
<th>Water quality</th>
<th>Interval</th>
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<tr>
<td>Normal tap water</td>
<td>Every 6 months</td>
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<tr>
<td>Water contaminated with lead and copper</td>
<td>Every 3 months</td>
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</tbody>
</table>

### SPECIAL FILTER

- No chemicals
- No regeneration
- No salt
- No power supply

To know and learn more about this huge potential of SPECIAL FILTER please contact us:

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