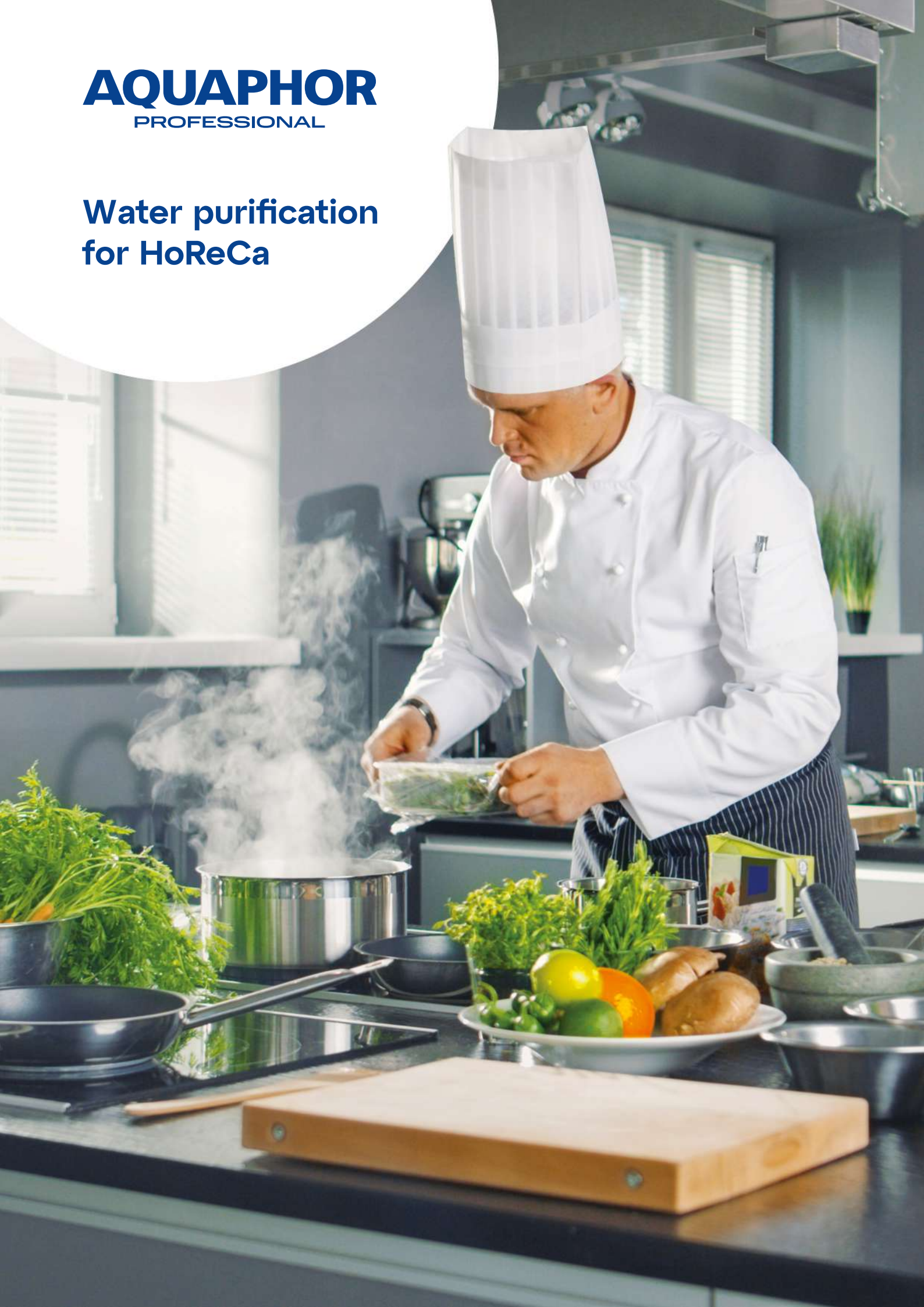


AQUAPHOR
PROFESSIONAL

**Water purification
for HoReCa**



AQUAPHOR Consumer, Professional and Industrial Products

R&D leader in decentralized water purification from filter bottles for consumers to large systems for small towns and manufacturing plants. AQUAPHOR manufacturing, research and development facilities total 53 000 m², including 51 000 m² of modern manufacturing in Estonia and 2 000 m² in Israel.

AQUAPHOR products and production facilities have been certified by TUV and SGS since 2006.

- Chemistry
- Mechanical and Chemical Engineering
- Automated manufacturing
- Distribution
- Marketing
- Service



APRO 80



Whole-House
Water Supply



Municipal
Entities



Small
Business

Water mineralization affects the taste of coffee and tea, a process of wine and beer fermentation, and hundreds of other drinks from different parts of the world.

This time, Aquaphor Professional focused on water treatment for the most popular drinks in the world — coffee and tea — and developed an innovative **APRO 80** system with water remineralization.

Water is the most important ingredient in coffee, and it is responsible for absorbing the extracts from beans and grounds. It is necessary to maintain a high quality of water because even a tiny bit of impurities can crucially change the whole card of coffee flavor.

APRO 80 carefully removes all the impurities affecting the taste of a drink. At the same time, we leave the necessary minerals that are essential for a rich coffee flavor, refreshing tea, and pure drinking water taste. The mineralization is easily adjustable and stable.

Advantages

- Smart permeate recovery up to 65%
- Ultra-low energy consumption patented technology
- User-friendly operation
- Adjustable mineralization
- Stable taste
- Compact design
- Easy maintenance

| | |
|-----------------------------------|-------------------------------------|
| Permeate Flow, LPH | 80 |
| Membrane Quantity | 1 |
| Membrane type | 600GPM |
| Prefiltration membrane | 2 × K2 |
| Adjustable mineralization | + |
| Max inlet TDS, ppm | 1500 |
| Reduction of salt content, % | Up to 95% (before remineralization) |
| System recovery, % | 50-90% |
| Input pressure, bar | 1-4 |
| Power supply | 24VDC (AC/DC adapter is installed) |
| Dimensions (LxWxH), mm | 492 × 290 × 535 |
| Net weight, kg | 26 |
| Size (inlet, outlet, concentrate) | 3/8" / 1/4" / 1/4" 3G |

APRO 120



Whole-House
Water Supply



Municipal
Entities



Small
Business



Small & Medium
Business

APRO 120 is a flexible solution that delivers high-quality pure water. It is an indispensable companion for every small business holder: boutique hotels, restaurants, bars, beauty salons, small farms, and others.

With **APRO 120** small business appliances serve much longer since pure water helps to avoid scaling and rusting. Pipes and plumbing avoid clogging, while dishwashers and washing machines require fewer detergents.

The system is fully automatic and requires minimum maintenance, making it an easy-to-use.

- **Smart permeate recovery up to 95%**

An innovative anti-clogging membrane features high-speed recirculating water flow to keep the membrane clean. It provides an exceptionally high permeate recovery, while the wastewater drainage is significantly reduced.

- **Energy use reduction up to 50%***

Fast recirculating flow saves up to 50% energy.

- **Crucially reducing scaling, rusting and clogging of appliances**

- **Space-saving design**

The system is suitable for a small technical room or a compact kitchen in a local bar, small restaurant, or boutique hotel.

- **Remote access**

| | |
|-----------------------------------|-------------------------------------|
| Permeate Flow, LPH | 120 |
| Membrane Quantity | 2 |
| Membrane type | B520-H |
| Prefiltration membrane | 2 × K2 |
| Adjustable mineralization | - |
| Max inlet TDS, ppm | 1500 |
| Reduction of salt content, % | Up to 95% (before remineralization) |
| System recovery, % | 50-90% |
| Input pressure, bar | 1-4 |
| Power supply | 24VDC (AC/DC adapter is installed) |
| Dimensions (LxWxH), mm | 485 × 215 × 662 |
| Net weight, kg | 27 |
| Size (inlet, outlet, concentrate) | 3/8" / 1/4" / 1/4" 3G |

APRO SST 300 LPH



Whole-House
Water Supply



Municipal
Entities



Small
Business



Small & Medium
Business

APRO SST 300 LPH is an ultra-low-energy system that suits small&medium businesses in the food industry, professional kitchens, service, and public entities. The stainless steel housing suits areas of high humidity or sites with stringent cleanliness and hygiene requirements.

Aquaphor Professional patented dual pump technology both provides ultra-low energy consumption reducing the cost of utilities and ensures the long life of the membrane, reducing the cost of maintenance.

- Saves up to 50% of electricity
- Permeate recovery up to 99%
- Extended membrane life
- Easy maintenance
- Space-saving design
- Low-cost operation

This system is also available in 150, 250, 500, and 750 liters per hour capacities

| | |
|-----------------------------------|-------------------------|
| Operational pressure, bar | 7-10 |
| Permeate Flow, LPH | 300 |
| Membrane Quantity | 2 |
| Membrane Size, inch | 4 × 21 |
| Max inlet TDS, ppm | 2 000 |
| Reduction of salt content, % | up to 95 |
| System recovery, % | 75-99 |
| Power supply | single-phase 230V, 50Hz |
| Dimensions (LxWxH), mm | 595 × 390 × 845 |
| Net weight, kg | 49,5 |
| Size (inlet, outlet, concentrate) | 3/8" / 1/4" / 1/4" 3G |

Softeners



Whole-House
Water Supply



Laundry
& Cleaning



Beauty
& SPA

AQUAPHOR softeners are an advanced alternative to the classic whole-home water softeners. They show exceptionally efficient operation providing soft, safe water for drinking, cooking, and washing. With soft water, restaurant and hotel appliances live much longer and require fewer detergents. Low salt consumption and a small amount of water needed for regeneration significantly reduce maintenance cost.

- **Salt savings up to 60%**

Thanks to the unique tank design and extra-fine ion-exchange resin, salt efficiency is maximized.

- **2-in-1: water softening & iron removal.**

The patented system design provides a larger contact surface, and eliminates channeling, while small ion-exchange granules regenerate faster and more efficiently. As a result — removal of high concentration of Fe (up to 14 mg/L concentration in water) and hardness.

- **Exceptionally small water usage for regeneration**

The innovative, patented Dual Core Valves of the AQUAPHOR softener assure long-term trouble-free performance whilst wasting a minimal amount of water.

- **10-year warranty for the main parts.**

The high-strength thick wall made of homogeneous glass-filled composite will serve over 10 years, while classic columns typically serve less than 5 years.

- **Low maintenance** In addition to low salt consumption of the system, ion-exchange resin lasts 10 times longer than typical water softeners.

- **Operates efficiently even at very low tap pressure**

- **Fully recyclable body and tank**

- **NSF certified**



| Specification | S550 | S800 | S1000 |
|---|-----------------|-----------------|-----------------|
| Maximum compensated hardness, mg/L | 1 200 | 1 380 | 1 712 |
| Maximum concentration of dissolved iron and manganese, mg/L | 10 | 12 | 14 |
| Nominal / maximum flow, L/min | 23/25 | 25/38 | 28/42 |
| Capacity in HE mode, kg salt/gram hardness | 0.6/49 | 1.0/66 | 1.1/67 |
| Dimensions (length x height x width), mm | 322 x 554 x 430 | 404 x 706 x 485 | 404 x 795 x 485 |
| Gross weight, kg | 35 | 43 | 48 |
| Fine mesh resin, L | 15 | 23 | 28 |

*As of this date, this product can be purchased in Belgium exclusively from Valeco.

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