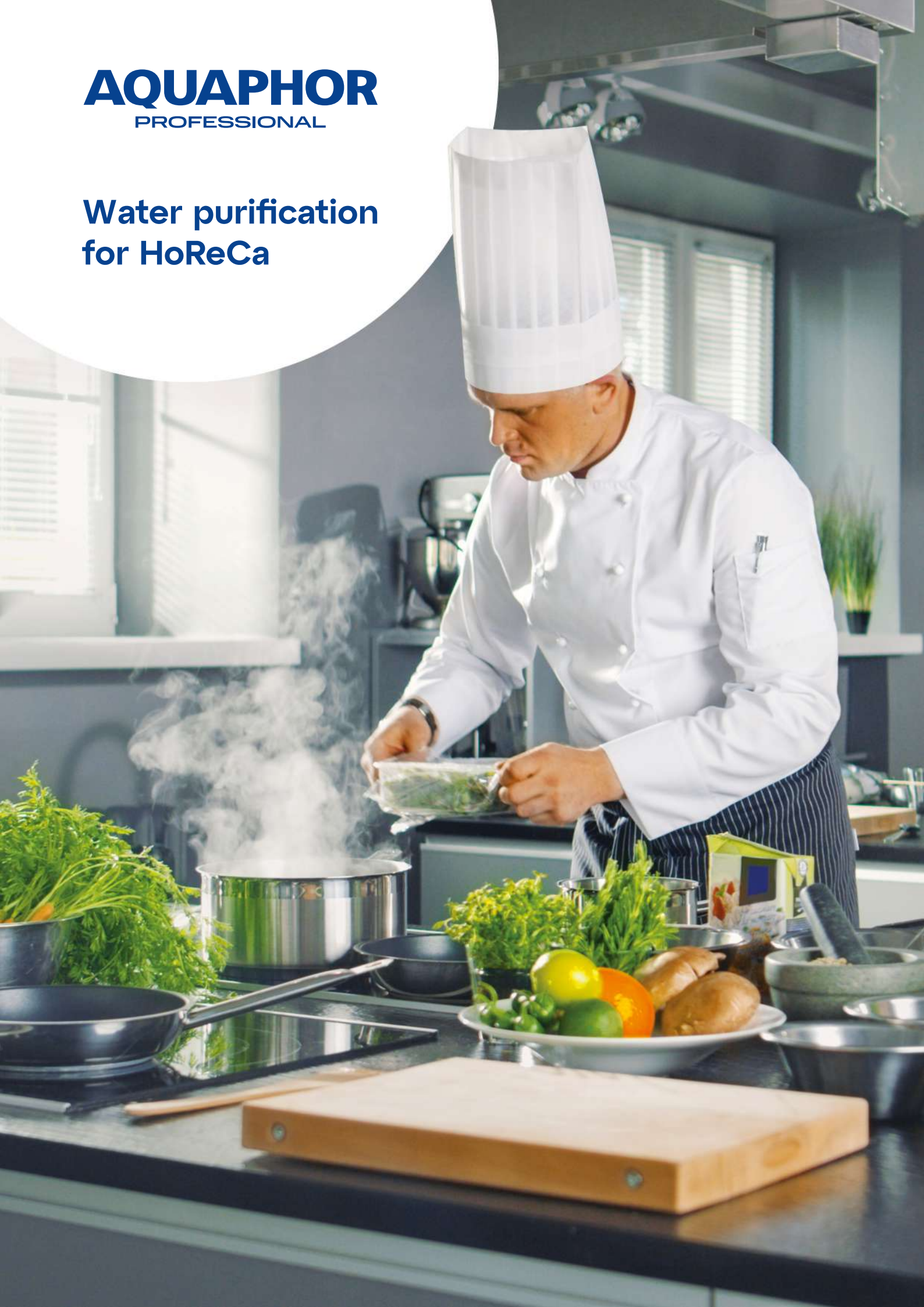


**AQUAPHOR**  
PROFESSIONAL

**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 m<sup>2</sup>, including 51 000 m<sup>2</sup> of modern manufacturing in Estonia and 2 000 m<sup>2</sup> 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





# Nano Purity 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 **Nano Purity 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.

**Nano Purity 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	1000 GPD
Prefiltration cartridge	2 × K2
Adjustable mineralization	+
Max inlet TDS, ppm	1500
Reduction of salt content, %	Up to 95 (before remineralization)
System recovery, %	60
Input pressure, bar	2-4
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

# **AQUAPHOR**

**PROFESSIONAL**

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