

AQUAPHOR

PROFESSIONAL



HoReCa 2026 Brochure





Why Coffee Shops & The Hospitality Sector Need Water Filtration Units



Protect Your Investment

- Coffee machines are expensive, precision-engineered pieces of equipment.
- Unfiltered water often contains minerals, limescale, and impurities that can build up inside the machine.
- Filtration prevents scale deposits and corrosion, extending the lifespan of your machine and reducing costly repairs or replacements.



Better-Tasting, Safer Water

- Water makes up 98% of a cup of coffee – its quality directly impacts taste.
- Filtration removes chlorine, heavy metals, and other contaminants, ensuring clean, safe water.
- The result: smoother, more consistent coffee with no off-flavours.
- Soft water areas need minerals to optimise the flavour of the coffee



Enhanced Coffee Profiles

- Specialty beans deserve pure water to unlock their full flavour potential.
- Balanced mineral content from filtered water allows the coffee's aroma, body, and acidity to shine.
- Customers notice the difference – better coffee means repeat business.



Sustainability & Cost Savings

- Filtration reduces the need for chemical descaling and maintenance, cutting down on waste.
- Longer machine life = fewer replacements, saving money and resources.
- Less downtime for repairs means more consistent service and happier customers.
- Lower energy consumption: clean machines run more efficiently.

In short: A water filtration unit isn't just an accessory, it's essential for protecting your equipment, elevating coffee quality, and running a more sustainable, cost-effective business.



Why Restaurants & Kitchens Need Water Filtration Units



Protect Your Investment

Safeguard high-value kitchen equipment from scale, corrosion and breakdowns.

- **Steam ovens:** Prevent scale build-up, reduce heating element failure, maintain consistent steam quality.
- **Ice machines:** Improve ice clarity, prevent blocked evaporator plates, extend compressor lifespan.
- **Espresso machines:** Protect boilers and group heads, improve extraction stability and reduce service callouts.
- **Glasswashers & dishwashers:** Minimise spotting, scale, and rinse-aid overuse, and become chemical free.
- **Hot water boilers:** Improve heat transfer and reduce limescale-related downtime.



Sustainability & Cost Savings

- Reduce operational waste while lowering long-term running costs.
- Lower detergent and chemical consumption across wash areas.
- Less energy used by equipment due to reduced scale insulation.
- Extended equipment lifespan reduces replacement frequency.
- Reduced filter change frequency thanks to more efficient systems.
- Lower water wastage and more efficient softening technology.
- Supports sustainable best practices across the kitchen and bar operations.



Reduced Maintenance Costs

- Fewer breakdowns, fewer engineer callouts, and more predictable servicing.
- Minimise emergency repairs caused by scale-related failures.
- Reduce frequency of descaling and deep-clean cycles.
- Avoid unnecessary filter replacements and CTU swaps.
- Standardise filtration across the site, simplifying service processes.
- Lower overall OPEX through fewer consumables and more reliable equipment performance.

Our Mission at AQUAPHOR Professional

At AQUAPHOR Professional, our mission is to transform the HORECA industry by helping businesses move toward a truly chemical-free future.

We believe that cleaner, safer, and more sustainable operations start with the quality of water used every day. Through our advanced Reverse Osmosis technologies, we provide high-performance, eco-friendly solutions that eliminate the need for harsh cleaning chemicals, reduce equipment damage, and support a healthier environment for staff and customers alike.

We are committed to empowering hospitality businesses with reliable, cost-effective, and sustainable water treatment systems that raise standards while lowering environmental impact.

We have already made a huge impact with some largescale companies by providing a solution for a chemical free process chemical free. **Saving them hundreds of pounds per location a week.**



Steam ovens

AQUAPHOR Professional technologies support businesses worldwide in achieving cleaner, more efficient steam-oven performance whilst reducing costs.

Our advanced filtration systems are engineered to address the key challenges faced in commercial kitchens, limescale build up, inconsistent steam quality, rising chemical costs, and frequent service call-outs due to equipment failure. In addition, kitchen closures when engineers are on site.

With our **AQUAPHOR Professional** applications, you can expect:

- ✓ **Low Operational Cost**
- ✓ **Adjustable TDS**
- ✓ **Saving on Service and Repairs**
- ✓ **Easy Install**
- ✓ **Sustainable Approach**
- ✓ **Thermal Expansion Technology**
- ✓ **Less Water Consumption**
- ✓ **Multiple solutions**
- ✓ **Digital display**

Glass Cleaning

AQUAPHOR Professional technologies have helped businesses worldwide achieve spotless, streak-free glass cleaning while dramatically reducing chemical use. Our innovative systems are designed to tackle the most common challenges faced in the hospitality industry, unclean glassware, rising chemical costs, and expensive maintenance or call-outs for traditional glass-cleaning equipment.

With our APRO-100-MB KIT, you can expect:

- ✓ **Low Operational Cost**
- ✓ **Saving on Service and Repairs**
- ✓ **Restore Old Glassware**
- ✓ **Detergent Free Cleaning**
- ✓ **Thermal Expansion Technology**
- ✓ **Rinse Aid Free Cleaning**
- ✓ **Easy Install**
- ✓ **Sustainable Approach**





Coffee

AQUAPHOR Professional empower cafés, restaurants, and hospitality venues worldwide to achieve consistently high-quality espresso while reducing chemical use and equipment downtime. Our advanced filtration solutions are engineered to combat the most common issues faced by espresso machines, limescale build up, unstable water quality, increased maintenance costs, and frequent service interruptions.

With our **AQUAPHOR Professional** applications, you can expect:

- ✓ Superior Prefiltration
- ✓ Adjustable TDS
- ✓ Low Operational Cost
- ✓ Prefilter Change Alert
- ✓ Digital display
- ✓ Energy Efficient
- ✓ Sustainable
- ✓ Low Service Cost
- ✓ Easy Install



How **AQUAPHOR** can help your business
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Crystal Soft

Benefits and Key Features:

- **Digital display** - To guide on when the filter will run out, never run out of filtered water.
- **Easy fit** - To avoid difficult fitting
- **Barista training on filter changing** - On site training and support to café team
- **Adjustable TDS** (Total dissolved solids) - The barista can tune the filter to their coffee blend
- **ReFactory** - Second life sustainable recycling
- **Less water consumption** - Reducing water wastage for a sustainable approach.
- **Longer life** - Lifespan increase
- **Money saving** - Through reduction of water usage and reduction in filter replacements
- **No drain required** - Ideal for coffee machines and steam ovens and vending machines

Crystal Soft features saltless ion-exchange process that efficiently removes Ca and Mg carbonites. The filter prevents scale build-up on hot beverage equipment while allowing to maintain optimal balance of minerals for beverage taste via bypass.



Cartridges



AQUAPHOR KHC Cartridge

Weak acid ion-exchange resin for saltless decarbonization. The capacity of two modules is 3000L.*



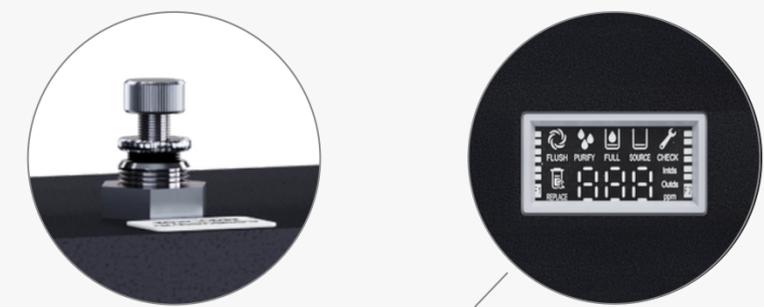
AQUAPHOR K2 Cartridge

Patented CarbFiber block technology. Removes organic impurities, chlorine, heavy metals and other particles down to 3 µm.

APRO 100 PRO

Benefits and Key Features:

- **Superior prefiltration** with high-capacity AQUAPHOR cartridges
- **Instant water quality** monitoring with built-in inline TDS meter, giving the barrister full control to fine tune the water to their roaster for flavour consistency.
- **Better tasting water** to enhance the full flavour profiles of the coffee.
- **Built-in prefilter cartridge** resource control
- **Low-cost operation:** energy-efficient & enhanced durability of membrane
- **Compact and portable design** perfect for space saving.
- **Low Maintenance Cost.**



Why is this important?

Clients can now enjoy the authentic flavours by calibrating their water to the roaster's original standard, then blending it to highlight the perfect tasting notes

*The roasters clients can now experience the same flavours by tuning their water to the original roasters water. This can be blended to achieve the optimal notes

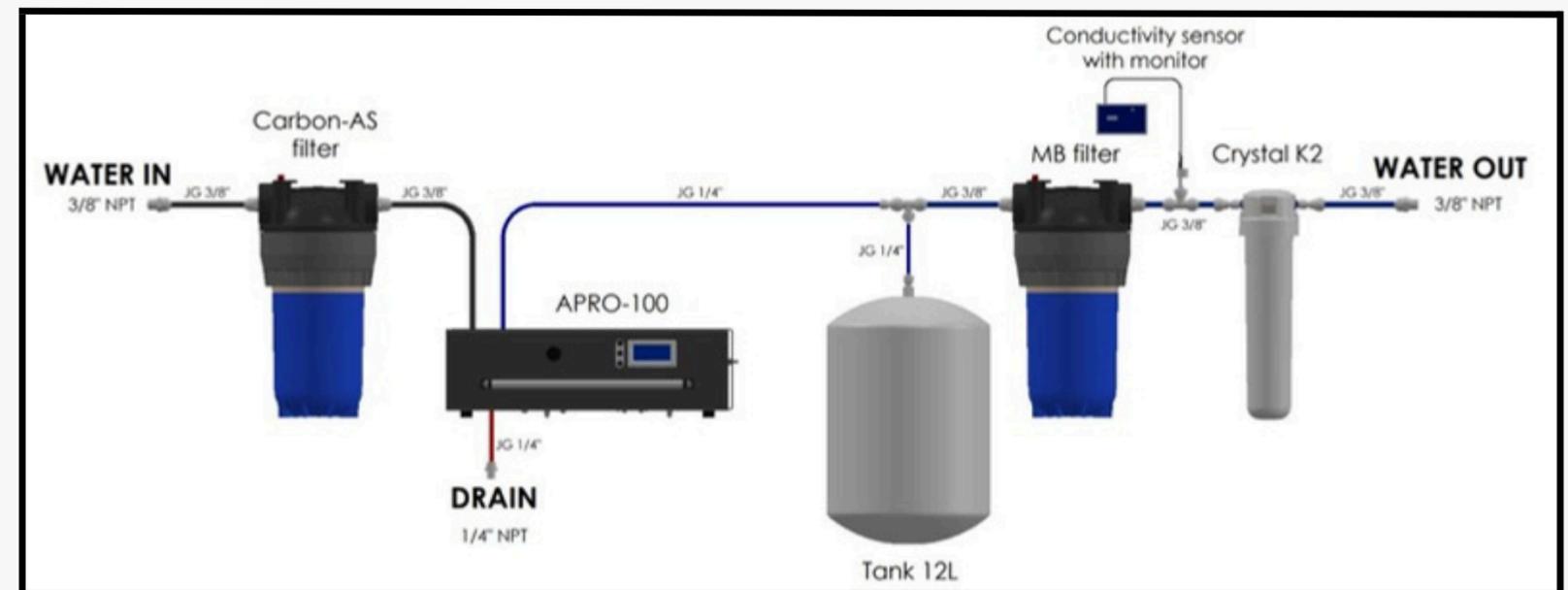
The Specialty Coffee Association (SCA) highlights several key parameters in its water quality guidelines:

- Absence of color and odor
- No chlorine
- Optimal total dissolved solids (TDS) – from 50 to 175 ppm
- pH level – in the range of 6-8



APRO 100 PRO MB KIT

- **Compact design** ideal for busy kitchens and perfect for space saving
- **Patented Prefiltration with membrane antiscalent** protects membranes and equipment from scaling for long life
- **Patented post treatment technology using Aqualen** ensures spotless dishes and glasses
- **Product capacity** 100 litres per hour
- **Detergent free cleaning** to reduce unnecessary chemicals that are detrimental to aquatic life
- **Rinse aid free cleaning** helps avoid cloudy residue, streaks, and water marks on glassware
- **Thermal expansion technology** to remove stubborn marks and allow quick streak free drying
- **Restore** old glassware
- **Optional extras** pressure vessels 18l, 60l, 100l



Water Softeners

Fully automatic, compact and silent softeners feature exceptionally low salt usage, highly effective iron removal (up to 14 mg/L), prefiltration down to 20 microns. AQUAPHOR softeners contain patented high- efficiency Dual Core Valves and other engineering solutions to ensure long-term trouble-free performance.

- **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 - Removal of high concentration of Fe (up to 15 mg/L concentration in water) and hardness salts.
- **Exceptionally small water usage for regeneration** - The innovative, patented Dual Core Valves of the AQUAPHOR softener assure long-term trouble-free performance whilst wasting minimal amount of water.
- **Low maintenance** - In addition to low salt consumption of the system, ion-exchange resin lasts 10 times longer than in typical water softeners.
- **Operates efficiently even at very low tap pressure**
- **Fully recyclable** body and tank
- **10 year warranty** included
- **3 Sizes available** with variable capacities
- **NSF certified**



S500



S800



S1000



H2O Dispenser

Three storage tanks



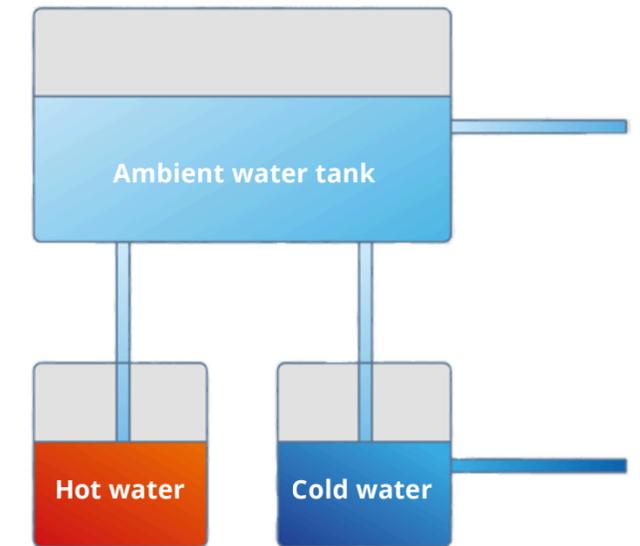
Ambient 5 liter



Hot water 1.8 liter (88-93 °C)



Cold water 3 liter (5-10 °C)



Multi-stage filtration system



Filtration stage 1

Pré-filtration 2 en 1

Innovative cartridge combines mechanical filtration up to 10 microns and sorption filtration up to 3 microns.



Filtration stage 2

Membrane cartridge

- Performance: 100 gallons per day / 380 L per day.
- Reverse osmosis membrane for deep purification and softening of water.
- Complete protection against bacteria and viruses.
- Absolute water softening and limescale protection.



Filtration stage 3

Water mineralization

- Natural minerals enrich the water with magnesium.
- Improves the taste of drinking water.
- Creates optimal salt balance.
- Provides water conditioning.

Convenient display

- Shows the temperature of the water in the tank when pouring hot or cold water.
- Shows the resource of each cartridge in the filtration system.
- Illumination of icons when pouring water into tanks, heating or cooling.
- Can install a child lock.



RO filtration system with a mineralization



Three separate storage tanks with a total volume of almost 10 liters



Low power consumption 650W



Ability to adjust the temperature in the tank with cold and hot water



UV lamps



Overheating and fire protection



100 Gallon Pump



Modern laconic design, convenient touch control



Memory





Easy cartridge replacement

Turn

Pull down

The Pre-filter AQUAEFFECT 10" the following cartridges are suitable for the AQUAEFFECT prefilter. Has universal housing for cartridges and provides a low cost and great revenue. Multiple cartridges can be added together to create gradient porosity



Melt Blown Cartridge Aquaeffect

Reduces:

- sand
- rust
- silt

Art. 525952
5 mkm

Art. 525952
10 mkm

Art. 525952
20 mkm



Melt Blown ACF (Activated carbon filled) cartridge

Reduces:

- colloidal
- iron
- lead
- chlorine

Art. 528177
1 mkm



The cartridge removes sand, rust and other mechanical impurities from water

Specifications

| | | |
|---------------------|----------------|------|
| Connection size | 1/2" | 3/4" |
| Length | 105 | |
| Width | 115 | |
| Height | 405 | 410 |
| Working pressure | up to 0.63 MPa | |
| Weight, kg | 1.3 | |
| Working temperature | +5...+38 °C | |
| Cartridge size, mm | 55/253 | |



Tested up to 22 bar



Safety clip

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