

AQUAPHOR

PROFESSIONAL

Water for coffee brewing

- Protect your professional coffee machine from scale build-up and corrosion.
- Increase effectiveness — less coffee beans per one cup
- Ensure the perfect coffee taste

2025



Why water treatment is essential?

1. Protect your coffee machine

Water containing hardness salts is the primary cause of scale buildup that damages heating elements and other internal parts. Scale reduces equipment efficiency and leads to costly repairs.

- **Prevention of Scale Buildup:** AQUAPHOR systems remove excess hardness salts, preventing scale deposits.
- **Removal of Chlorine and Chlorides:** Municipal water often contains **chlorine**, and **chlorides**, which **corrode metal parts**. AQUAPHOR reverse osmosis systems together with advanced prefiltration effectively remove those and other corrosive elements, safeguarding your machine.

Poor water quality can void your equipment warranty

All coffee machine manufacturers emphasize the critical role of proper water quality in ensuring the longevity and performance of their equipment.

If you want to guarantee reliable and long-lasting operation of your coffee machine, while preserving the rich flavors of your coffee, **investing in water treatment is essential.**

Save up to 100% on repairs & service

2. Setup the perfect taste

Water is the most significant ingredient in coffee, making up 98% of brew. Its composition directly affects flavor extraction. The wrong balance of minerals or the presence of unwanted chemicals can ruin the coffee's profile.



- **Pure Taste:** Reverse osmosis eliminates unpleasant impurities like chlorine, chlorides, and other contaminants, ensuring clean water that preserves and enhances the coffee's natural flavor.
- **Adjustable Mineralization:** Our systems include customizable bypass blending to achieve the optimal mineral balance tailored to your coffee profile.



For professionals

APRO-NP-120

Removes chlorides

Reverse osmosis system for coffee shops with adjustable & stable mineralization. APRO-NP-120 keeps the delicate balance by providing both outstanding water purity and maintaining essential minerals.

- Extra-low energy consumption
- High capacity prefiltration included
- User-friendly operation with smart controller
- Compact wall-mountable design

Permeate flow	120 liters/hour
TDS control	+
Prefilter cartridge	B520 PRO – CarbFiber
Prefiltration capacity, L	150 000
Build-in permeate tank	2L
Energy consumption, kW	0.12



APRO-NP-120

APRO-100-PRO-SST

Removes chlorides

Compact mobile reverse osmosis system with mineralization line for coffee shops & other Horeca applications.

- Plug&Play design
- Stainless steel case
- High capacity prefiltration included
- Extra-low energy consumption
- Informative display
- Bypass mineralization for coffee taste enhancement

Permeate flow	100 liters/hour
Bypass mineralization line	+
Prefilter cartridges	Carbon 5 µm + Polypropylene 5 µm
Energy consumption, kW	0.05



APRO-100-PRO-SST

Crystal Soft

Direct flow filter with saltless ion-exchange module and carbon post-treatment. Efficiently removes Ca and Mg carbonites preventing scale build-up on hot beverage equipment.

- Low-cost maintenance — up to 2 times less than in analogues
- Easy tool-free module replacement
- Flowmeter with the screen showing remaining cartridge resource
- Bypass mineralization for coffee taste enhancement

Permeate flow, max	120 liters/hour
Cartridge capacity up to, L*	3000
Flowmeter with display	+
Bypass mineralization line	+

Cartridge capacity is determined by bypass opening %, inlet water quality and inlet pressure.



Crystal Soft

Contaminants & Recommended AQUAPHOR Solutions

Contaminant	Impact on Equipment	Impact on Coffee Flavor	APRO-NP-120	APRO-100-PRO	Crystal Soft
Hardness salts (Ca, Mg)	Scale buildup, reduced efficiency, faster wear.	Suppresses flavors, distorts mineral balance, creates flat taste.	+	+	+
Chlorine (Cl ₂)	Corrodes metal parts, especially heating elements.	Oxidizes aromatics, degrades flavor.	+	+	+
Chlorides (Cl ⁻)	Corrodes stainless steel and internal components.	Adds salty, unbalanced taste.	+	+	-

All solutions are equipped with mineralization bypass allowing to regulate permeate mineralization level.

For household coffee brewing

Aquastyle module

AQUAPHOR Aquastyle replacement cartridge for coffee machine is designed for softening hard water and scale prevention.

Tap water filtration and simultaneous reduction of hardness intensifies the aromatic substances extraction during coffee brewing process. Filtered and softened water helps to reveal the full taste and flavors of a chosen coffee variety.

Compatible with DeLonghi™ BCO, ECAM, ESAM, ETAM, EC680, EC800 coffee machines.



RO-202S

Under-the-counter reverse osmosis system providing pure water for drinking, cooking and coffee brewing.

- Pure safe drinking water
- Post filtration mineralization module provides optimal balance of Ca and Mg
- Long-lasting modules
- Built-in pressure pump
- 5L storage tank
- Up to 16 liters per hour



Why choose AQUAPHOR?

AQUAPHOR is the largest water treatment products manufacturer in the EU.

52,000 sq.m. modern plants

Aquaphor, in its own EU-based (Estonia) facility, develops and manufactures efficient water purification solutions for a variety of water sources and applications.

Benefits of Aquaphor being your technological partner

The strongest R&D department in the water treatment industry:

- Modern laboratories
- >150 patents
- In-house patent office
- 30+ years of research experience

Cutting-edge production:

- Modern automated manufacturing facilities
- Strict QA policies
- Top-grade materials
- 2000 skillful employees

Standardized products:

- Production stability
- Consistent quality
- Shortest lead time on the market
- Competitive pricing achieved through mass-production

Cost-efficient operation and maintenance:

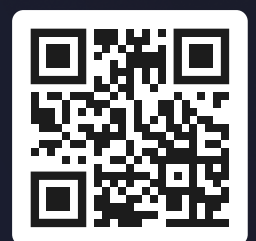
- Plug&Play installation
- Patented low-energy technology
- Longer lifespan of membranes
- Minimal maintenance efforts
- Flexible operation with remote control option



European. Affordable. Excellence

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Aquaphor International OU
4023, Sillamae, Estonia
aquaphorpro.com



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