

AQUAPHOR

PROFESSIONAL

Water treatment
solutions for
dental industry

2025



Water quality is crucial for dentistry

The quality of the water is of high importance in the dental industry. Tap water may contain harmful bacteria like giardia, cryptosporidium, and even E. coli.

Using tap water during a procedure would increase the risk of infection, especially if minor surgery is required. Bleeding, inflammation, and cavities provide accessible entryways for all sorts of harmful microorganisms.

Autoclave can
be operated
with ultrapure
water only

Increased
cross-infection
risks

Contamination and
clogging of dental
unit waterlines

Unplanned
interactions



Solution

Aquaphor Professional developed a state-of-the-art series of water filtration and purification products that deliver the purest water free of suspended particles, dissolved salts, bacteria, viruses, and other impurities.

Our solution offer each dentists with a confidence in the water quality, stable clinic operation and no waste of the valuable time.

Multi-stage treatment solution

Based on our previous experience working with the dental industry, Aquaphor Professional developed a multi-stage treatment approach, to ensure that every water consumer in the dental clinic receives the optimized water quality, while reducing overall CaPex and operational expenses.



1 step: Prefiltration

Viking PRO

Type	CarbFiber
Capacity	150 000 L
Removes particles up to	5 micron



2 step: Reverse osmosis

APRO-NP-120

User-friendly reverse osmosis operated by smart controller

Capacity	120 liters/hour
Max. inlet TDS, ppm	2000
Energy consumption, kWh	0.12
Recovery, %	60
Wall-mountable	+



APRO-100-PRO

Super-compact mobile reverse osmosis

Capacity	100 liters/hour
Max. inlet TDS, ppm	1500
Energy consumption, kWh	0.12
Recovery, %	50
Wall-mountable	+



3 step: Deionization

CRYSTAL DI PRO

Compact deionization unit that provides ultrapure water up to 18 MΩ that is suitable for autoclave.

Flow rate, liter per minute	2
Max. cartridge capacity (at 400 ppm), L	100
Removes particles up to	18 MΩ
TDS transmitter	+



All-IN-ONE solution

APRO-100-DI, APRO-500-DI

For larger dental clinics, our fully automated AQUAPHOR APRO-100-DI and APRO-500-DI reverse osmosis systems with an advanced drainage system are holistic solutions, providing the customer with consistent, reliable ultrapure water supply.

- Robust space-saving compact Cabinet design
- Continuous access to high-quality deionized water supply
- Versatile and easy to operate — a built-in Wi-Fi module allows users to connect to the **Aquaphor APRO** mobile app
- Fully equipped electric board





Why choose AQUAPHOR?

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

52 000 m² 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

AQUAPHOR
PROFESSIONAL

Aquaphor International OU
4023, Sillamae, Estonia
pro.sales@aquaphor.com
aquaphorpro.com

