

# AQUAPHOR

PROFESSIONAL

## Product line overview

2026



## Why choose AQUAPHOR?

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

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
- Cutting-edge production
- Standardized products
- Cost-efficient operation and maintenance

**62 000 m<sup>2</sup>**  
modern plants



# Viking PRO Series

The AQUAPHOR Viking PRO is made entirely of special plastics. It is resistant to pressure surges, guarantees trouble-free operation and protects other filters downstream ensuring purified drinking water.



Whole-house water treatment



HoReCa



Small medium business

## Advantages

AQUAPHOR Viking PRO series is a versatile solution that can be used both as a pre-treatment for a professional RO or as a stand alone drinking water filter. Viking is used only with cold water to remove suspended and dissolved compounds, heavy metals, chlorine and other contaminants.

Viking PRO protects all downstream equipment, extends RO membrane lifespan, and lowers overall maintenance costs.

### • Simple to install and use

Designed for easier installation and maintenance with the quick-release fittings. Designed for easy installation and a tools-free cartridge replacement.

**Viking PRO is a prefiltration housing made of high-strength glass fiber filled plastic.**



VIKING MIDI PRO



VIKING PRO

	VIKING MIDI PRO	VIKING PRO
Length	225 mm	225 mm
Width	279 mm	279 mm
Height	440 mm	606 mm
Working pressure	0.63 / 6.3	
Weight, kg	3.1	3.4
Working temperature	+ 5... + 38° C	

## High-performance pre-filtration cartridge



**B520 PRO / B515 PRO**  
Patented high-capacity corrugated multilayer filtration cartridge  
**Capacity:**  
**150 000 L / 90 000 L**



**B520 PRO AS**  
With antiscalant effect  
Superb protection for the RO  
**Capacity:**  
**150 000 L**

### Effectively removes:

- Organic impurities
- Heavy metals
- Chlorine
- Rust and colloidal iron
- Sand and other suspended and dissolved particles

# Gross Series

The AQUAPHOR Gross series comes in high-strength glass fiber filled polymer housing. With a variety of filter cartridges, Gross ensures pre-filtration and protects the drinking water filters downstream.



Whole-house water treatment



HoReCa



Small medium business

## Advantages

Gross housing is a durable and reliable solution that can be equipped with sediment filters to protect downstream equipment from solid particles. Carbon Block + AQUALEN™ filter cartridges for Gross series will reduce chlorine, heavy metals and other dissolved impurities.

- **Long-lasting housing**  
The filter housing is made of high quality plastic and can withstand high pressures in high performance situations.
- **Wide range of filters cartridges**
- **BigBlue standard replacement filters 10" and 20"**



**Gross 10"**



**Gross 20"**

	<b>Gross 10"</b>	<b>Gross 20"</b>
Length	185 mm	185 mm
Width	176 mm	176 mm
Height	360 mm	610 mm
Working pressure	0.63 / 6.5	
Weight, kg	3.1	4.3
Working temperature	+ 5... + 38° C	

## Replacement Filters



### **B510-12 Gross 10"**

Gross 10 replacement filter for cold water purification for the entire home. Its unique structure and design allow the module to remove sediments, chlorine, heavy metals and other impurities from the water.



### **B520-12 Gross 20"**

Gross 20 replacement filter for cold water purification for the entire home. Its unique structure and design allow the module to remove sediments, chlorine, heavy metals and other impurities from the water.

# Pre-filter Aquaeffect 10"

The Slim 10" is a compact in-line pre-filtration solution designed to protect downstream equipment by removing mechanical impurities from cold water supplies.



Whole-house water treatment



HoReCa



Small medium business

## The slim 10" Pre-filter series

It effectively reduces sand, rust, silt, and other suspended particles, helping maintain stable system performance and extending the service life of valves, appliances and filtration systems installed downstream.

With a slim 10" housing, quick-release cartridge replacement and working pressure resistance up to 22 bar, The Slim 10" series are easy to integrate into residential, commercial and light professional installations where space and reliability matter.

## Key advantages

- **Compact, space-saving design**  
Ideal for installation in cabinets, technical rooms or service boxes.
- **Reliable mechanical pre-filtration**  
Reduces sand, rust and suspended solids before they reach sensitive equipment.
- **Simple installation and maintenance**  
Tool-free cartridge replacement with a safety clip for secure operation.
- **Flexible cartridge options**  
Compatible with melt-blown and activated carbon cartridges for cold water applications.

## Replacement cartridges



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	



### Melt Blown Cartridge Aquaeffect

#### Reduces:











sand  
rust  
silt










### Melt Blown ACF (Activated carbon filled) cartridge

#### Reduces:

colloidal  
iron  
lead  
chlorine

# Replacement Cartridges

Housing	Photo	Model	SKU	Filtration rating, micron	Cartridge type
 Viking PRO		B520-PRO	513866	5 µm	CarbFiber
		B520-PRO-AS	519511	5 µm	CarbFiber + Antiscalant effect
		B520-PP5	527565	5 µm	Polypropylene
 Viking PRO Midi		B515-PRO	513865	5 µm	CarbFiber
		Melt Blown Cartridge Aquaeffect 10"	525952 525953 525954	5 µm 10 µm 20 µm	Polypropylene
 Aquaffect 10"		Melt Blown ACF (Activated carbon filled) cartridge	528177	10 µ	Activated carbon
		Aquaffect Filter Set for APRO-100	531707	5 µm 10 µm 20 µm	Prefilter set: Meltblown ACF x 2, PP+SPP

Housing	Photo	Model	SKU	Filtration rating, micron	Cartridge type
 Gross 10"		B510-12	525551	5 µm	Carbon block
		EFG 114/254 PP5	523467	5 µm	Polypropylene
		EFG 114/250 PP20	523470	25 µm	Polypropylene
 Gross 20"		B510-12-AS (Gross 10")	523529	5 µm	CarbFiber + Antiscalant effect
		B520-12	208830	5 µm	Carbon block
		EFG 114/508 PP5	523471	5 µm	Polypropylene
		EFG 114/508 PP20	523472	25 µ	Polypropylene

# Dual-Layer filter cartridge for cold water

Double the Efficiency. Half the Footprint.

**2 in 1**

Absolute 5 µm

20 µm



Municipal water treatment



Industrial process water treatment











Domestic water purification



Desalination

## Key Benefits:

- 2 distinct Filtration zones
- 3 X increased dirt-holding capacity
- Higher flow velocities
- Lower pressure drops
- Reduced footprint

Housing	Photo	Model	Filtration	Cartridge type
Standard 10" housing		<b>PPQ 10x2,5-5</b>	5 µm	Dual-layer quartzite-filled prefiltration cartridge
 Aquaeffect		<b>PPQ Slim 10-5</b> <b>PPQ Slim 10-5-AS</b>	5 µm 5 µm	Dual-layer quartzite-filled prefiltration cartridge
 Gross 10"		<b>PPQ 10x4,5-5</b> <b>PPQ 10x4,5-20</b>	5 µm 20 µm	Dual-layer quartzite-filled prefiltration cartridge
 Gross 20"		<b>PPQ 20x4,5-5</b> <b>PPQ 20x4,5-20</b>	5 µm 20 µm	Dual-layer quartzite-filled prefiltration cartridge
Standard 40" multi-cartridge housing		<b>PPQ 40x2,5-5</b>	5 µm	Dual-layer quartzite-filled prefiltration cartridge

# Softeners. S-series

AQUAPHOR cabinet softeners are an advanced alternative to the classic whole-home water softeners. AQUAPHOR softeners are exceptionally efficient, with low salt consumption and small amount of water needed for regeneration.

**BEST  
SELLER**

in its category



Whole-House Water  
Supply



Laundry  
& Cleaning

## Advantages

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**

The patented system design provides larger contact surface, 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 minimal amount of water.

- **Exceptionally long lifespan**

The high-strength, thick-walled structure ensures long-term durability, significantly outperforming traditional columns, which typically offer a considerably shorter service life.

- **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**

- **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 of salt/gram of hardness	0.8/465	1.1/670	1.4/900
Dimensions (length x height x width), mm	322 x 554 x 430	404 x 706 x 485	404 x 795 x 485
Fine mesh resin, L	15	23	28

# APRO-WH-500T

All-in-one automatic compact whole house RO water purifier. A reliable, turnkey solution for pure household water.



Whole-house water treatment

AQUAPHOR's whole house water purifier is — a compact reverse osmosis solution for whole-house operated by smart APRO controller. The system provides adjustable mineralization ensuring stable taste & healthy drinking water.

## Advantages

- Extremely energy-saving**  
 Patented dual pump system, combining two highly efficient yet low-energy pumps, saves up to 50% of energy.
- Adjustable and stable mineralization**  
 Patented Nano Purity technology allows to setup the desired level of minerals in water. Smart controller keeps this level stable, so the system always provides tasty and healthy drinking water.
- Compact design**  
 AQUAPHOR's whole house water purifier is perfect for space-limited areas.



### APRO-WH-500T

Low-energy consuming water purifier with an exceptionally high permeate recovery, and reduced wastewater drainage.



### APRO-I-500

Compact, energy-saving, and highly efficient RO system for households, restaurants, hotels, and other small businesses



### Water supply set

UV sterilizer supply pump and water tank



### Viking PRO

Removes suspended and dissolved compounds, heavy metals, chlorine, rust and other dirt for the whole house.

# APRO-WH-1000T VIP

All-in-one premium whole-house water purification solution



Whole-house water treatment

APRO-WH-500 is a premium all-in-one whole-house water purification system designed for high performance, reliability, and ease of use. Built around advanced reverse osmosis and multi-stage filtration, the system integrates prefiltration, precision dosing, UV sterilization, and controlled mineralization in a compact, mobile cabinet. Operated by a smart controller and delivered as a plug-and-play solution, APRO-WH-500 ensures consistent water quality, high recovery rates, and stable taste for the entire household.

### Advantages

- **Self-sufficient solution featuring various technologies:**
  - 2-in 1 Prefiltration
  - Reverse osmosis
  - Nanofiltration
  - Precision dosing
  - UV sterilization
  - Mineralization
- **Plug & Play: easy installation and start-up**
- **Smart controller for user-friendly operation**
- **Compact premium cabinet case**



Permeate capacity, liters/hour	500
Max. TDS, ppm	2000
Power, kWh	1.2
Dimensions (LXWXH), mm	800x1200x1700
Recovery	60-90%

# Crystal Soft New

Direct flow filter with a bypass feature to reduce hardness salts, safeguarding hot beverage equipment while ensuring a well-balanced taste.



Flow meter  
with display  
included



Professional coffee  
brewing



Hospitality

With **20% higher resin capacity** (≈ 3,000 L per cartridge) and a built-in flowmeter, cafés, vending systems, and office coffee machines run longer between changes -with full control of cartridge life.

## Advantages

- Bypass mineralization for coffee taste enhancement
- Carbon post-treatment for both softened & bypass line
- Flowmeter with the screen showing remaining cartridge resource
- Low-cost maintenance — up to 2 times less than in analogues
- Easy, tool-free module replacement

Max. permeate flow, liters/hour	120
Bypass remineralization	+
Post-treatment cartridge	K2 (Carbon 5 µm)
Capacity, L	3000*
Flowmeter with display	+
Dimensions (LXWXH), mm	265 x 90 x 360

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

## Why choose over competitors?



Name of product	Crystal soft	Comparable Market Product A	Comparable Market Product B
Module capacity(**)	up to 3.000 L	up to 2.408 L	up to 2.500 L
Recommended flow rate	2 LPM	1 LPM	1 LPM
Flowmeter	+	-	-
Configuration	Modular	-	-

\* According to manufacturer manual instructions.

# APRO-100 Series

Compact RO for HoReCa



Smart  
controller



Professional  
coffee brewing



HoReCa



Small & Medium  
Business

The Ultra-Compact APRO-100 Series efficiently removes all harmful impurities from water, safeguarding expensive equipment and delivering pure, safe drinking water.

These affordable reverse osmosis systems incorporate all the advanced features of full-scale units, making it an exceptional choice for any HoReCa application with a limited footprint.

APRO-100-PRO version additionally allows users to control the desired mineral level through a bypass line.

## Advantages

- Instant water quality monitoring with built-in inline TDS meter
- Superior prefiltration with high-capacity AQUAPHOR cartridges
- Built-in prefilter cartridge resource control
- Low-cost operation: energy-efficient & enhanced durability of membrane
- Compact and portable design

	APRO-100	APRO-100-PRO	APRO-100-PRO-BW
Permeate capacity, liters/hour		100	
Membrane		ULP3213-1000 x 1	ULP3230-1000 x 1
Bypass remineralization	-	✓	-
Max. TDS, ppm		1500	2000
Permeate recovery, %	50	50-60	50-75
Power, kWh		0,12	0,06
Dimensions (LXWXH), mm		420x370x125	

All systems are available in (stainless steel) case.

## All systems include pre-filtration

### Slim prefilter version



3 x Aquaeffect 10"  
For APRO 100

or

### Gross prefilter version



2 x Gross 10"  
For APRO 100 PRO

# APRO-120 Series



HoReCa

Small & Medium  
BusinessProfessional  
kitchens

**APRO 120** is an innovative solution, specifically designed for the needs of any HoReCa and other small/medium businesses including: boutique hotels, restaurants, bars, beauty salons and more.

**APRO 120** protects downstream equipment by avoiding scaling and rusting. Moreover, APRO 120 significantly reduces the usage of detergents and cleaning chemicals as well as time and efforts for cleaning and maintenance.

## Advantages

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

- Annual appliances maintenance cost reduced by 30-40%
- Average lifespan of appliances increased by 50%
- Significantly reduces 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.
- Filter capacity is 5x time higher than alternatives
- Low filter replacement rate
- Smart controller with bluetooth communication
- Built-in permeate accumulation tank 2 L

Model	APRO-120	APRO-120-NP (Nano Purity)	APRO-Mg-120
Permeate Flow, LPH		120	
Membrane	ULP3213-1000 x 1	ULP3213-1000 x 2	ULP3212-1000 x 2
Prefiltration cartridge	B520-PRO-AS CarbFiber 5 µm with antiscalant effect	B520-PRO CarbFiber 5 µm	B520-PRO CarbFiber 5 µm
Max inlet TDS, ppm	1500 ppm	1500 ppm	1500 ppm
System recovery, %	50	50	50 - 75
Power consumption, kWh	0,12	0,12	0,18
Built-in permeate accumulation tank	2L	2L	2L
Dimensions (LxWxH), mm	485 x 215 x 662	485 x 215 x 662	550 x 280 x 585
Net weight, kg	27	27	27

# APRO-I Series

Fully automatic reverse osmosis with compact design



HoReCa

Small & Medium  
BusinessProfessional  
kitchens

APRO-I reverse osmosis system is a smart solution for small and medium-sized businesses. These systems offer user-friendly, reliable operation, significantly lowering ongoing business costs by reducing water consumption and safeguarding equipment from damage.

## Advantages

- **Fully automatic**
- **Plug&Play installation**
- **Water efficient — recovery up to 90%**
- **Reduced energy consumption (up to 40% less than in analogues)**
- **Compact, space-saving design:**

Featuring a compact, wall-mountable design, the system can be positioned on the floor or mounted above, making it ideal for extremely tight spaces.

- **Easy operation & low maintenance:**

User-friendly setup and maintenance reduce downtime, keeping your system running smoothly with minimal effort. APRO Monitor App allows to operate and monitor your system remotely.



APRO-I-300



APRO-I-500



Viking  
Pre-Filtration  
**Now Included**

Model	APRO-I-150	APRO-I-250	APRO-I-300	APRO-I-500
Permeate capacity, liters/hour	150	250	300	500
Max. TDS, ppm	2000			
Membranes	XLP11-4021 x 1	XLP11-4040 x 1	XLP11-4021 x 2	XLP11-4040 x 2
Power, kWh	0,5			

External pre-filtration by Viking 20"

# APRO-IM Series

All-in-one mobile water treatment station for applications that require temporary purified water supply



Professional window cleaning



Solar panel cleaning



Heating systems filling



Car washing

#### APRO-IM series include:

- Pre-filter equipped with B520-PRO-AS cartridge featuring antiscalant effect
- Fully automatic patented reverse osmosis system
- Accumulation tank
- Mixed bed post-treatment module (APRO-IM-500-PLUS only)
- The entire system is mounted on a single frame that allows superior mobility and a plug&play installation

#### The system is an ultimate solution for:

- Stain-free windows and solar panels
- Scale-free heating systems
- Reduced detergent usage (up to 3x less for washing)

#### Advantages:

- Mobile
- Plug & Play setup
- Easy & low-cost maintenance
- Extra-low conductivity permeate with mixed bed polishing (APRO-IM-500-PLUS only)



Model	APRO-IM-500	APRO-IM-500-PLUS
Permeate capacity, liters/hour	500	500
Max. TDS, ppm		2000
Membranes	XLP11-4040 x 2	XLP11-4040 x 2
Power, kWh		0,65
Mixed bed post-treatment	-	+

# APRO 150-500 Black Series

Ultra low-energy systems suit small & medium businesses in the food industry, professional kitchens, service and public entities.



HoReCa

Small & Medium  
BusinessProfessional  
kitchens

## Key Benefits:

- Compact design for robust industrial applications and space-limited environments
- Plug & Play
- Controller with intuitive and user-friendly operation
- Compatible with APRO App for setup and monitoring (Android)



Model	APRO-150	APRO-250	APRO-300	APRO-500
Operational pressure, bar	7-10			
Permeate Flow, LPH	150	250	300	500
Membrane Quantity	1	1	2	2
Membrane Size, inch	4x21		4 x 40	
Max inlet TDS, ppm	2000			
Reduction of salt content, %	up to 95			
System recovery, %	75-99			
Power supply	230V, 50Hz			
Dimensions, mm	520 x 370 x 790	520 x 370 x 1280	670 x 370 x 790	670 x 370 x 1280
Net weight, kg	38	47	48	57
Size (inlet, outlet, concentrate)	3/4" / 1/2" / 1/2" NPTF			



Viking  
Pre-Filtration  
Now Included

APRO-HS series RO units for sea water purification. Serves civil and business needs.

# APRO-150-500-SST Series

Ultra low-energy systems suit small & medium businesses in the food industry, professional kitchens, service and public entities.



HoReCa

Small & Medium  
BusinessProfessional  
kitchens

The frame and housing of the SST series are made of high-grade stainless-steel material which is perfect for areas with high humidity and sites where there are stringent cleanliness and hygiene requirements.



APRO-150-SST



APRO-250-SST



APRO-300-SST



APRO-500-SST

Model	APRO-150-SST	APRO-250-SST	APRO-300-SST	APRO-500-SST
Operational pressure, bar	7-10			
Permeate Flow, LPH	150	250	300	500
Membrane Quantity	1	1	2	2
Membrane Size, inch	4x21		4 x 40	
Max inlet TDS, ppm	2000			
Reduction of salt content, %	up to 95			
System recovery, %	75-99			
Power supply	single-phase 230V, 50Hz			
Dimensions, mm	510 x 390 x 725	555 x 390 x 1210	595 x 390 x 845	630 x 390 x 1270
Net weight, kg	38,5	47,5	49,5	58,5
Size (inlet, outlet, concentrate)	¾" / ½" / ½" NPTF			

**APRO 150-750 systems** are also available in versions for High Pressure (HP) and High Salinity (HS) versions. **APRO-HP** series Compact high-pressure RO units that feature supreme salt rejection.

Model	APRO 250 HP	APRO 500 HP	APRO 750 HP
Operational pressure, bar	12-16		
Membrane Quantity	1	2	3
Membrane Size, inch	4 x 40		
Max inlet TDS, ppm	4000		
Reduction of salt content, %	up to 98		
System recovery, %	75-95		
Power supply	three-phase 400V, 50Hz		

**APRO-HS series RO** units for sea water purification. Serves civil and business needs.



- Low energy consuming booster pump saves up to 50% electricity
- Permeate recovery up to 99%
- Extended membrane life
- Easy maintenance
- Space saving design
- Low cost operation



Viking  
Pre-Filtration  
Now Included

# APRO-1000 Series

Fully automatic & extra cost-efficient reverse osmosis system



Industrial applications



Small & Medium Business



Hospitality

## Advantages

- Patented AQUAPHOR dual pump technology boosts efficiency & system's longevity**  
 Dual pump technology minimizes energy usage, delivering cost-effective operation and sustainability.
- Extra-efficient - permeate recovery up to 95%**  
 Achieves excellent water savings without additional membrane load, maximizing output with minimal waste.
- Compact, space-saving design**  
 Built to fit small spaces, making it ideal for commercial or industrial environments where space is limited.
- Easy operation & low maintenance**  
 User-friendly setup and maintenance reduce downtime, keeping your system running smoothly with minimal effort.



Model	APRO-1000	APRO-1000-SST	APRO 1000 Max	APRO 1000 Max HP
Nominal permeate flow, liters/hour	1000	1000	1000	
Membranes=	XLP11-4040 x 3	XLP11-4040 x 3	XLP11-4040 x 4	LP21-4040 x 4
Prefilter cartridges	PP5, PP20	PP5, PP20	PP5, PP20	PP5, Carbon 20
Max. TDS	2000	2000	2000	4000
System recovery	75-99%	75-99%	60-90%	75-95%
Power consumption, kWh	0,5	0,5	0,7	3,2
Dimensions (LXWXH), mm	790 x 350 x 1280	790 x 350 x 1280	820 x 500 x 1280	1150 x 750 x 1390

SST (stainless steel) version is available

# APRO-1500 / 2000

Fully automatic & extra cost-efficient reverse osmosis system



Agriculture  
and Farms



Industrial  
applications



Small & Medium  
Business



Hospitality

## Advantages

- **Patented AQUAPHOR dual pump technology boosts efficiency & system's longevity**

Dual pump technology minimizes energy usage, delivering cost-effective operation and sustainability. At the same time, high linear speed prevents fouling, prolonging membrane lifespan and lowering maintenance costs.

- **Extra-efficient - permeate recovery up to 95%**

Achieves excellent water savings without additional membrane load, maximizing output with minimal waste.

- **Compact, space-saving design**

Built to fit small spaces, making it ideal for commercial or industrial environments where space is limited.

- **Easy operation & low maintenance**

User-friendly setup and maintenance reduce downtime, keeping your system running smoothly with minimal effort. APRO Monitor App allows to operate and monitor your system remotely.



Model	APRO 1500		APRO 2000	
	Standard series	HP series	Standard series	HP series
Nominal permeate flow, liters/hour	1500		2000	
Membranes=	XLP11-4040 x 6	LP21-4040 x 6	XLP11-4040 x 8	LP21-4040 x 8
Pre-filter cartridges	PP5, PP20	PP5, Carbon 20	PP5, PP20	PP5, Carbon 20
Max. TDS	2000	4000	2000	4000
System recovery	60-90%	75-95%	60-90%	75-95%
Power consumption, kWh	1,58	3,2	1,58	5,5
Dimensions (LXWXH), mm	2170 x 800 x 1790	2170 x 800 x 1790	2170 x 800 x 1790	2170 x 800 x 1790

SST (stainless steel) version is available

APRO-2000 is available in two configurations – short and long – allowing you to choose the best fit for your installation space

# AP-UF Series

Full-scale all-in-one ultra-filtration system



Agriculture  
and Farms



Industrial  
applications



Hospitality

The **AP-UF Series** are advanced, fully-automated ultrafiltration systems designed for small to large-scale water treatment needs. The systems grants the customer with high performance and optimal water quality by removing effectively mechanical particulates, bacteria, and viruses. It features user-friendly controlling and automatic backwash capabilities. The **AP-UF Series** minimizes downtime and maintenance efforts.

## Advantages

- Plug & Play**  
 Ready for immediate setup, simplifying installation and startup processes.
- Low Energy Consumption**  
 Engineered for efficiency, the AP-UF systems operate with minimal power requirements, reducing operational costs.
- Modular Design**  
 Easily scalable to meet specific capacity requirements, ensuring flexibility for various applications.
- Extended membrane lifespan**  
 Enhances membrane lifespan by automatically flushing the system when necessary. Automatic Backwash is included in system's configuration.

Model	AP-UF-1000	AP-UF-5000	AP-UF-10000	AP-UF-20000	AP-UF-30000	AP-UF-40000	AP-UF-50000
Max. permeate capacity, liters/hour	1000	5000	10000	20000	30000	40000	50000
Filtration grade, $\mu\text{m}$	0,01 $\mu\text{m}$						
No of UF membranes	2 x 4040	1	2	4	6	8	10
Membrane surface, $\text{m}^2$	6 $\text{m}^2$	60 $\text{m}^2$					
Power consumption, $\text{kWh}/\text{m}^3$	0,015						

# APRO-3000/4000/6000 Monoblock Series

The game-changing stackable RO water purification solution for businesses. The Monoblock™ allows to vary water output capacity and flex the system, making it adjustable to the constantly changing operational conditions.



Municipal



Industrial applications



Agriculture and Farms



Hospitality

Innovative modular RO units with varying production rates can be easily rearranged or reinforced with other units to meet the changing requests of capacity and space. Remote control allows managing the system from any place. Booster pump and recirculation pumps save up to 50% electricity.

## Advantages

- Permeate recovery up to 95%
- Extended membrane life
- Patented high frequency discharge
- System operates in fully automatic mode with remote control
- Robust construction and easy maintenance
- Quiet operation
- Space saving design
- Mass produced



Patented Dual Pump & High Frequency Discharge technology

The Monoblock™ series is also available in a containerized configuration.



Model	APRO-3000	APRO-4000	APRO-6000	APRO-HP-3000	APRO-HP-4000	APRO-HP-6000
Capacity, LPH	3000	4000	6000	3000	4000	6000
Max. Inlet TDS, ppm	2000 ppm			4000 ppm		
Reduction of salt content, %	Up to 95			Up to 98		
System recovery, %	Up to 95					
Power consumption, kW	2,7		3,7	3,8		6,1
Operational pressure, bar	7-10			10-16		
Dimensions	3700x840x1160	2700x840x1160		3700x840x1160		2700x840x1160

# Multiarray of Monoblocks

Innovative RO monoblocks of 6000 LPH allow the user to set inexpensive, multipurpose water purification units into a high-capacity multiarray with up to 8 monoblocks combined under one master control board.



Municipal



Industrial applications



Agriculture and Farms



Hospitality

By managing the number of monoblocks in a multiarray, a business stays lean in resources and keeps a minimal needed number of monoblocks working at any given time. More RO units of monoblocks can be added or detached as soon as it is required.

## Advantages

- System recovery, up to 95%
- Patented high frequency membrane cleaning concentrate discharge
- Low energy consuming Grundfos booster pumps and high flow, low energy recirculation pumps (save up to 50% of electricity)
- Self-sufficient monoblocks with slave controllers and smart master controller (cloud optimization)
- Optional built-in UF pre-filtration
- Extended membrane life
- Space saving design
- Low-cost operation
- Easy maintenance

## Master Control Board



Master control board with touch screen color monitor supports management of up to 8 monoblocks and all kinds of the prefiltration and supply systems.

# AP-EDI Series

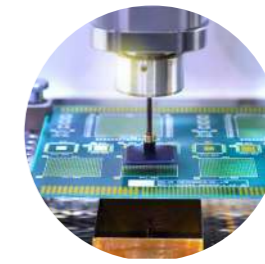
Ultra pure water system featuring chemical free process



Health care & laboratories



Data centers



Electronics Production



Energy sector

## Key Benefits:

- Chemical-free operation with no acid or caustic regenerants required
- Continuous performance with consistent water quality and no downtime for regeneration
- Seamless integration with APRO systems for reliable high-purity water production
- Minimal waste generation with no hazardous wastewater discharge or neutralization required
- Ultrapure water output equivalent to mixed-bed deionization quality
- Can be easily scaled up by adding extra modules

## AP-EDI Feed water requirements

Feed water source	RO Permeate
Feed water conductivity / Equivalent incl. CO <sub>2</sub>	< 20 µS/cm
Iron, Mn, H <sub>2</sub>	< 0.01 ppm
Total Hardness (as CaCO <sub>3</sub> )	< 1. ppm
Dissolved Organics (TOC as C)	< 0.5 ppm
Total Chlorine (as CL <sub>2</sub> )	< 0.02 ppm
Operating pH Range	4 - 11
Silica (SiO <sub>2</sub> )	< 1 ppm



Standard Features	AP-EDI-500	AP-EDI-1000	AP-EDI-2000	AP-EDI-5000
Product code	529272	529273	529992	529993
Nominal filtration capacity, LPH	500	1000	2000	5000
Product quality, MΩ-cm	>15			
Nominal recovery, %	Up to 95			
Inlet pressure, bar	2.5-5			
Power supply	single-phase, 230V 50 Hz		three-phase 400V, 50Hz	

# AP-Cl Hypochlorite generator

Fully automatic on-site hypochlorite (NaOCl) solution generation system.



Municipal water treatment



Wastewater & sewage treatment



Industrial process water treatment



Disinfection of irrigation water

AP-CL series are designed to efficiently generate sodium hypochlorite electrolytically, using only three main components:

- Water
- Salt
- Electricity

### Key Benefits:

- Safe and reliable method of producing sodium hypochlorite on-site
- Fresh sodium hypochlorite is always available
- Robust Plug & Play design for easy installation and maintenance
- Integrated Control: Powered by a Siemens PLC with an intuitive touchscreen display for precise system monitoring and easy operation
- Includes integrated CIP (Clean-In-Place) on board to ensure system longevity and maintain high purity standards
- Full turnkey solution including a Salt Tank and a dedicated Reverse Osmosis (RO) unit in the bundle for optimal feedwater quality
- Low operating costs
- Low formation of chlorate as a by-product

Standart Features	AP-Cl 500	AP-CL 1000
Capacity (g Cl <sub>2</sub> /h)	500	1 712
Solution concentration (%)	0.8	
Water consumption (l/kg)	140	170
Salt consumption (kg/kg of Cl <sub>2</sub> )	4-4.5	
NaOCl concentration (g/l)	5-6.5	
Power consumption (kWh/kg of Cl <sub>2</sub> )	5.5-6.5	
Power supply	three-phase 390V, 50Hz	

# Desalination Series

Low-cost fresh potable water.  
Where & when you need it.



AQUAPHOR's desalination systems provide fully automatic process with high energy efficiency and environmental sustainability, ensuring non-stop freshwater supply.

## Pacific, Atlantic, Arctic and Indian oceans, Mediterranean Sea, Red Sea, Persian Gulf

The compact, modular, mobile, rapidly deployable system for efficient on-site seawater desalination with UF pre-treatment. Perfect for off-grid locations, resorts, and islands and as a backup source of potable water.



Liters/hour	250	500	1000	2000	6000	10000
GPM	1.1	2.2	4.4	8.8	26.4	44
Max inlet TDS, ppm	40 000	40 000	40 000	40 000	40 000	40 000
Operational pressure, bar	up to 80	up to 80	up to 80	up to 80	up to 80	up to 80

## Black Sea, Caspian Sea

Skid-mounted, automated system for a broad range of capacities. The ultimately efficient desalination solution for a variety of municipal and industrial applications.

Liters/hour	1000	4000	6000	12000	20000	50000
GPM	1.4	17.6	26.4	52.8	88	220
Max inlet TDS, ppm	20 000	20 000	20 000	20 000	20 000	20 000
Operational pressure, bar	up to 50	up to 50	up to 50	up to 50	up to 50	up to 50



## Baltic Sea, groundwater with high mineral content

The compact Plug&Play system with all components is installed on a single frame to minimize the footprint and ease of maintenance. Perfect for small communities, resorts, off-grid households, and light commercial use.

Liters/hour	250	500	1000	2000
GPM	1.1	2.2	4.4	8.8
Max inlet TDS, ppm	10 000	10 000	10 000	10 000
Operational pressure, bar	up to 30	up to 30	up to 30	up to 30



# Laboratory Water Treatment

AQUAPHOR solutions provide high purity water to fit most laboratory needs, from cleaning the instruments to preparing the basis for cell cultures, buffers and reagents.



Medical & Pharmaceutical



Laboratories

## APRO-DP-60

APRO-DP-60 — fully automatic double pass RO equipped with user-friendly controller. The system ensures consistent water quality and low conductivity protecting laboratory equipment.

## LWM (LABORATORY WATER MACHINE)-205:

- Patented Double pass RO
- Large capacity patented filter cartridges for any type of tap water
- 0.1 micron microfiltration hollow fiber membrane
- Internal 5 L storage tank
- Highly efficient recirculation pump
- Fully automatic TDS measurements and control
- High permeate water recovery & high capacity patented pre-filtration
- LCD control panel

## Crystal DI PRO (Demineralization):

Designed to deionize water up to 18 MΩ, this system features a high-capacity mixed bed demineralization cartridge, and a 0.1-micron microfiltration hollow fiber membrane post-filter for superior purity. The system includes online TDS control

## PWD (Pure Water Dispenser)-05:

- User-friendly dispenser with the advanced water quality control features



Model	APRO-DP-60	CRYSTAL DI PRO	LWM-205
Process	Double pass RO	Mixed beds	Double pass RO system + mixed beds
Output of pure water	60 l/h	120l/h	50 l/h
Conductivity at 25°C	0.1 - 1% from initial electroconductivity	0.1-18 MΩ	≤18 MΩ
Minimal Inlet Pressure, bar	2.5	0.1	1
Permeate recovery, %	Up to 50%	100	up to 80
Reactive Silica (SiO2)	N/A	<0.01ppm	<0.01ppm
Heavy metals	N/A	<0.01ppm	<0.01ppm

\*Filtrate performance depends on the feed water quality

# APRO DI Series

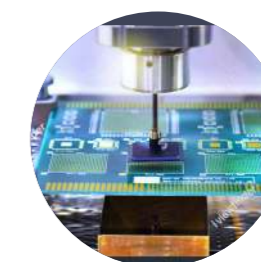
The APRO water deionization systems are housed in high quality steel cabinets, providing complete solutions for delivering ultrapure water whenever required. Deionized water helps maintain product safety and integrity.



Medical and Pharmaceutical



Laboratories



Electronics Production

## Advantages

- Fully automated AQUAPHOR APRO-100-DI and APRO-500-DI RO systems with advanced drainage system provide a steady ultrapure water supply
- A conductivity measuring unit ensures that only high-quality water passes to the storage tank
- A two-step prefiltration system for mechanical impurities removal
- Equipped with sophisticated differential pressure indicator
- Water supply monitoring sensors
- Fully equipped electric board
- Exceptionally low energy consumption (classical RO needs twice more energy)



Model	APRO-100-DI	APRO-500-DI
Permeate capacity, LPH	100	500
Permeate accumulation tank volume, liters	200	560
Supply pump flow	max 3 000 LPH	max 3 000 LPH
Supply pressure	max 4 bars	max 4 bars
Mixed bed ion-exchange resin volume, liters	18	50
Cabinet dimensions, mm	600 × 800 × 1600	600 × 800 × 1600
Accumulation tank, mm	build in (100l)*	1000 × 750 × 1500 (450l)
Power supply	230 V, 50 hz	230 V, 50 hz
Connection Sizing (inlet, outlet, drainage)	1" / ½" / ½" NPTF	1" / ½" / ½" NPTF

\*External 300L tank can be added

# Chemicals for water & wastewater treatment

Integrated chemical solutions for reliable, efficient system performance.



Chemicals for Reverse Osmosis systems



Chemicals for open & closed cooling systems



Chemicals for boilers



Chemicals for wastewater treatment

AQUAPHOR Professional extends its engineering expertise beyond equipment – offering a complete range of chemicals designed to support, protect, and optimize water and wastewater treatment systems across industrial and municipal applications.

Developed to work in synergy with filtration and membrane technologies, AQUAPHOR's chemicals ensures stable operation, extended equipment lifespan, and reduced operational costs.

## Comprehensive Treatment Portfolio:

### Membrane Systems (RO / UF)

- Antiscalants – prevent scale
- Cleaning chemicals (CIP) – remove fouling
- Chlorine scavengers – remove chlorine
- Biofouling control – prevent microbial growth

### Same level as wastewater Treatment

- Coagulants – destabilize colloids
  - Flocculants – form fast-settling flocs
- Improves clarification and sludge handling

### Cooling & Circulating Systems

- Scale & corrosion inhibitors
- Biocontrol (incl. chlorine dioxide)
- Application-specific programs

Maintains efficiency and prevents biological risks

### Boiler Treatment

- Oxygen scavengers
  - Scale & corrosion inhibitors
  - Conditioning agents
- Ensures stable and efficient operation

### Wastewater Treatment

- Coagulation & flocculation
  - Sludge conditioning
  - Process optimization
- Supports compliance and cost efficiency

### Industrial Cleaning

Specialized formulations for maintenance and performance recovery.

**One Partner. Complete Solution.**

# Containerized Water Purification Plant

AQUAPHOR containerized solutions deliver high quality drinking water that meets the WHO Guidelines.



Drinking water



Microgrid water source

## APRO containerized series

- Any Water Source**  
 From heavily contaminated groundwater to surface water — stable potable output.
- Plug & Play Systems**  
 Pre-assembled, pre-tested, ready to operate.
- Fast Deployment**  
 Minimal installation, immediate commissioning.
- Fully Automated**  
 Stable operation with minimal human intervention.
- Remote Control**  
 Operate and monitor from anywhere.
- Modular & Scalable**  
 Adapt capacity as demand grows.
- Low CAPEX**  
 No complex construction required.
- Low OPEX**  
 Reduced energy, labor, and maintenance costs.



# PRO-Shop

## Spare Parts & Supplementary Accessories

AQUAPHOR Professional provides our partners with a comprehensive selection of accessories and spare parts, ensuring seamless operation and extended lifespan for their equipment. As an official partner of some of the world's leading equipment manufacturers, we guarantee the availability of high-quality, original components that meet industry standards.

As a one-stop shop for complete water treatment solutions, we go beyond just supplying spare parts—we offer a full ecosystem of products designed to support businesses in maintaining efficient and high-performing water systems. From FRP tanks, different reagents and UV lamps, our commitment to reliability and efficiency helps minimize downtime, optimize performance, and provide long-term value across various applications and industries.

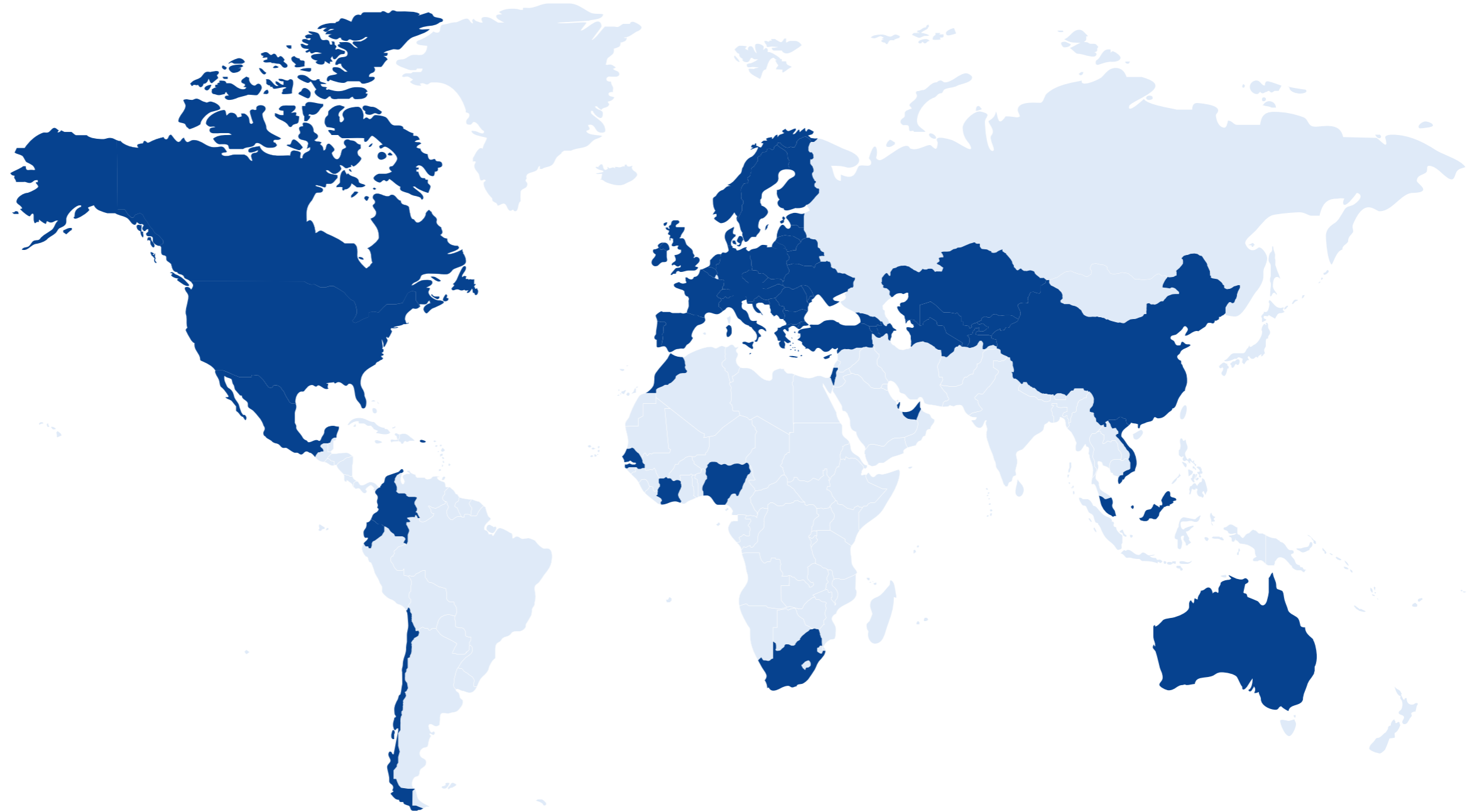
- FRP tanks
- Accessories for FRP tanks
- Filtration and Softening Valves
- Salt brine tanks
- Resins
- Carbon
- Polyphosphate
- Filter media
- Membranes
- Pressure vessels for RO membranes
- Prefilters and cartridges
- 10" Filter Cartridges
- 10x2.5" Filter Cartridges
- 40x2.5" Filter Cartridge
- Bag Filters
- Multi Cartridge Filters
- Strainer Filters
- Reverse Osmosis supply sets for clean water
- Reagent Dosing Pumps Grundfos
- Reagents
- Pressure Tanks
- Water Delivery Sets
- Salt
- UV Lamps

**Your One-Stop Shop.**



## Global presence

-  Estonia
-  United Kingdom
-  France
-  Germany
-  Austria
-  Israel
-  Poland
-  Romania
-  Lithuania
-  Latvia
-  USA
-  Serbia
-  Ukraine
-  Kazakhstan
-  China



**Pure water, exactly where and when  
it matters most to you**

**65 +**  
Countries

**100+**  
Patents Globally

**62 000 m<sup>2</sup>**  
of High-Quality  
Production Space



**European. Affordable. Excellence**

**AQUAPHOR**  
PROFESSIONAL

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