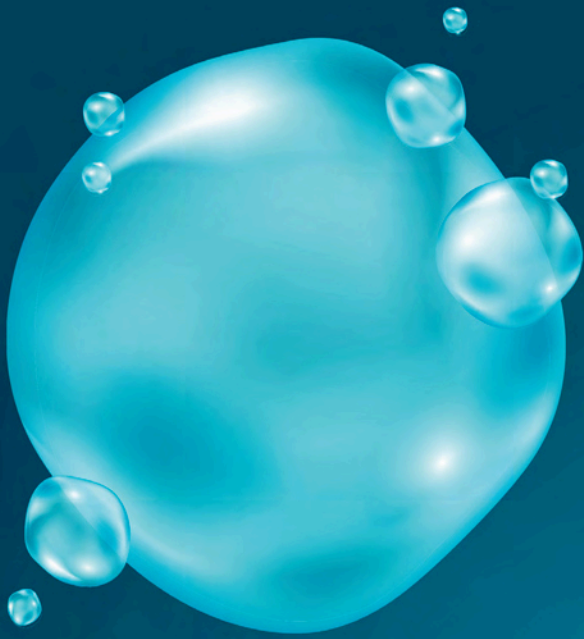




# aquapuri Essence<sup>+</sup> | Essence

All for Water, Water for All





# All the Water That's Fit for Your Laboratory

In today's fast-paced world, having access to pure & ultrapure water should be a guaranteed part of our daily laboratory lives. That's precisely what aquapuri Essence+| Essence offers.

As water is an essential resource in all laboratories and it significantly affects your work, it is important to select the right water purification system considering key parameters such as water quality, filter lifetime, ease of use, and budget.

**Experience an iconic success in laboratory water supply with aquapuri Essence+| Essence for your needs;**

aquapuri Essence+|Essence is engineered with innovative filtration technology to ensure the utmost water quality while extending the life span of the filter for low operating cost and maintenance.





### Ensured Water Quality

Innovative filtration technology with high-quality resins and materials for versatile laboratory-grade water.



aquapuri Essence  
Test Report



### Budget-friendly System

Each of the durable components enhances the robustness of the water purification system to minimize maintenance frequency while maintaining cost-effectiveness.



### Ease-to-Use

- Intuitive access to all functions through a large screen on the front.
- QR access for the regular filter replacement order and operation videos.
- Easy filter replacement



### Extended Filter Lifetime

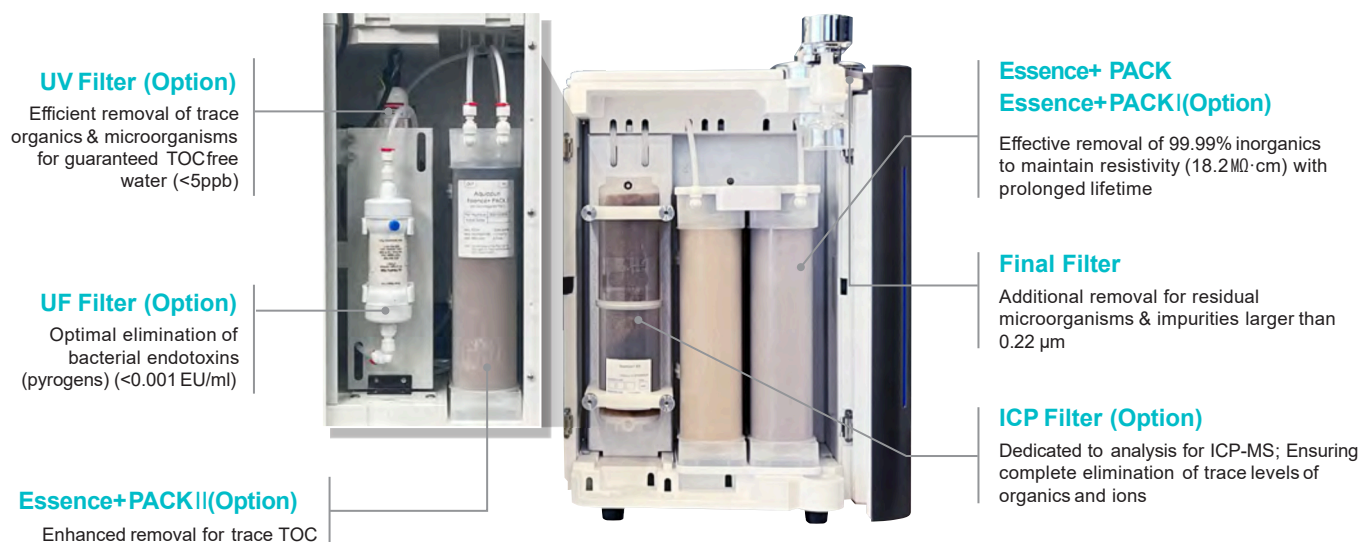
Long-lasting filters reduce the frequency of replacements and operating cost while efficiently taking each role for the elimination of impurities till the last.



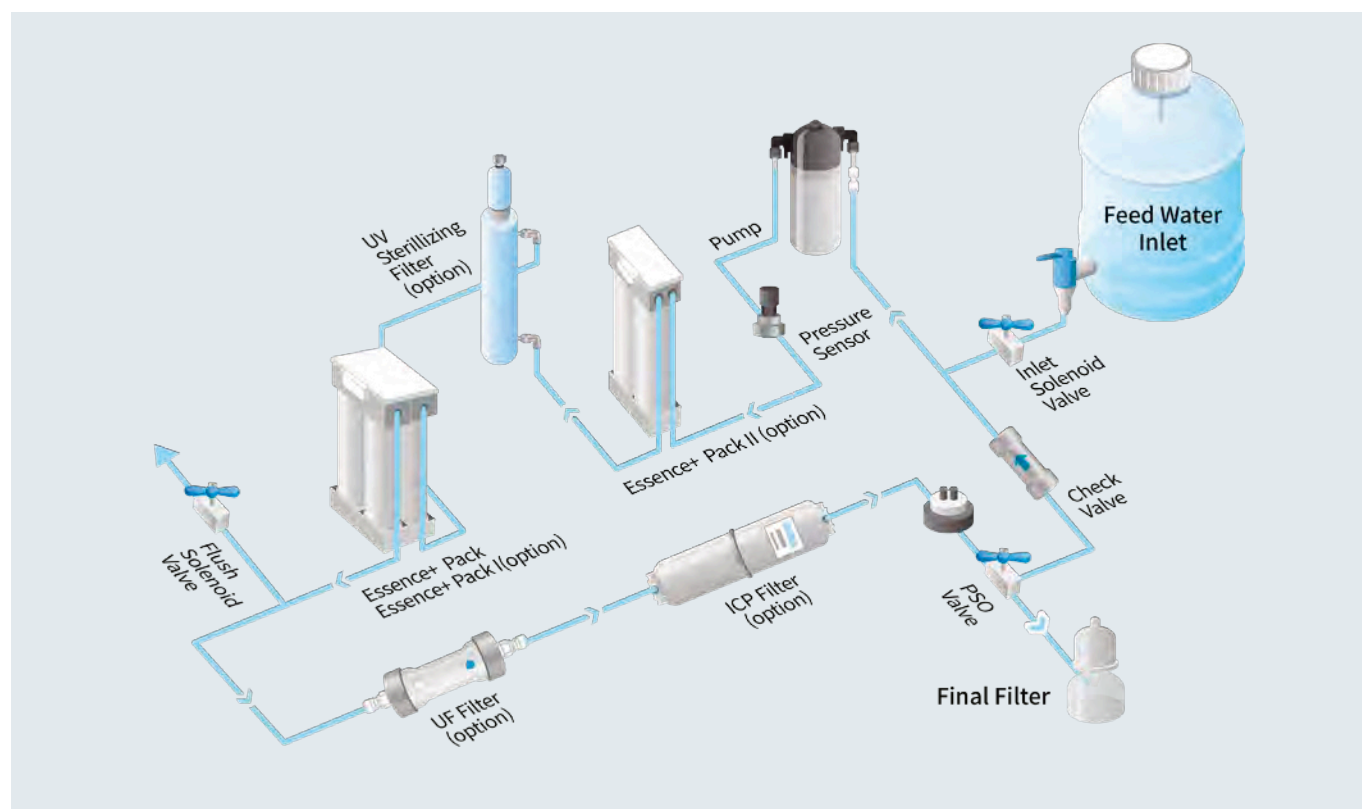
# aquapuri Essence+

## Iconic Successfor Ultrapure Water

aquapuri Essence+ is designed to deliver the utmost pure water of Type I grade for your scientific needs with unrivaled consistency and reliability. Our water purification system stands as the ultimate solution for sensitive analytical applications demanding the highest purity standards.







## aquapuri Essence+Flow Diagram



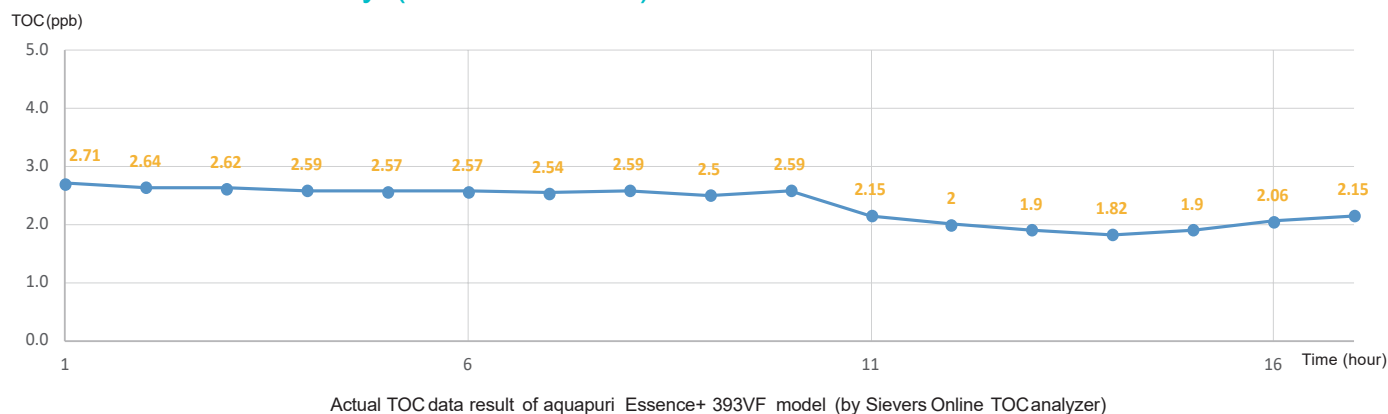
# Quick Insight for aquapuri Essence+

## Type I Water Production

	390	391 UF	392 UV	393 VF
Part No.	3301011340	3301011350	3301011360	3301011370
Water Grade	Type I (Standard)	Type I (Pyrogen Free)	Type I (TOC Free)	Type I (Pyrogen×TOC Free)
Flow Rate, at 25 °C	50L/h			
Water Quality, at 25 °C	≥18.2 MΩ·cm (≤0.055 μS/cm)			
TOC	≤10 ppb	≤10 ppb	≤5 ppb	≤5 ppb
Pyrogens (Endotoxins)	-	<0.001 EU/mL	-	<0.001 EU/mL
Bacteria removal	<0.01 CFU/mL	<0.01 CFU/mL	<0.01 CFU/mL	<0.01 CFU/mL
Particles	No particles (> 0.22 μm)	No particles (> 0.22 μm)	No particles (> 0.22 μm)	No particles (> 0.22 μm)
Silicates	<5 ppb	<5 ppb	<5 ppb	<5 ppb
Heavy metals	< 1 ppb	< 1 ppb	< 1 ppb	< 1 ppb
Selection Guide by Application	<ul style="list-style-type: none"> <li>• Reagents</li> <li>• General analysis (IC, AAS, HPLC, ICP-MS*)</li> <li>• □ Standardsolvents</li> </ul>	<ul style="list-style-type: none"> <li>• Mammalian cell culture</li> <li>• DNAsequencing</li> <li>• Monoclonalantibody production</li> </ul>	<ul style="list-style-type: none"> <li>• Ultra-trace inorganic/organic compounds analysis</li> <li>• GC-MS/TOCanalysis</li> </ul>	▷ Including all applications of UV and UF version plus: <ul style="list-style-type: none"> <li>• PCR</li> <li>• 2-Dimensionalelectrophoresis</li> <li>• Cell culture</li> </ul>
Aquapuri Essence+ Consumables (Filters)	 Essence+ Pack      Final Filter	 Essence+ Pack      Final Filter      UF Filter	 Essence+ Pack I      Essence+ Pack II Final Filter      UV Filter	 Essence+ Pack I      Essence+ Pack II Final Filter      UF Filter      UV Filter
Feed Water Requirement	ASTM Type II or III water as feed water			

\* For ICP-MSApplication, a dedicated filter(ICP Filter) is additionally required.

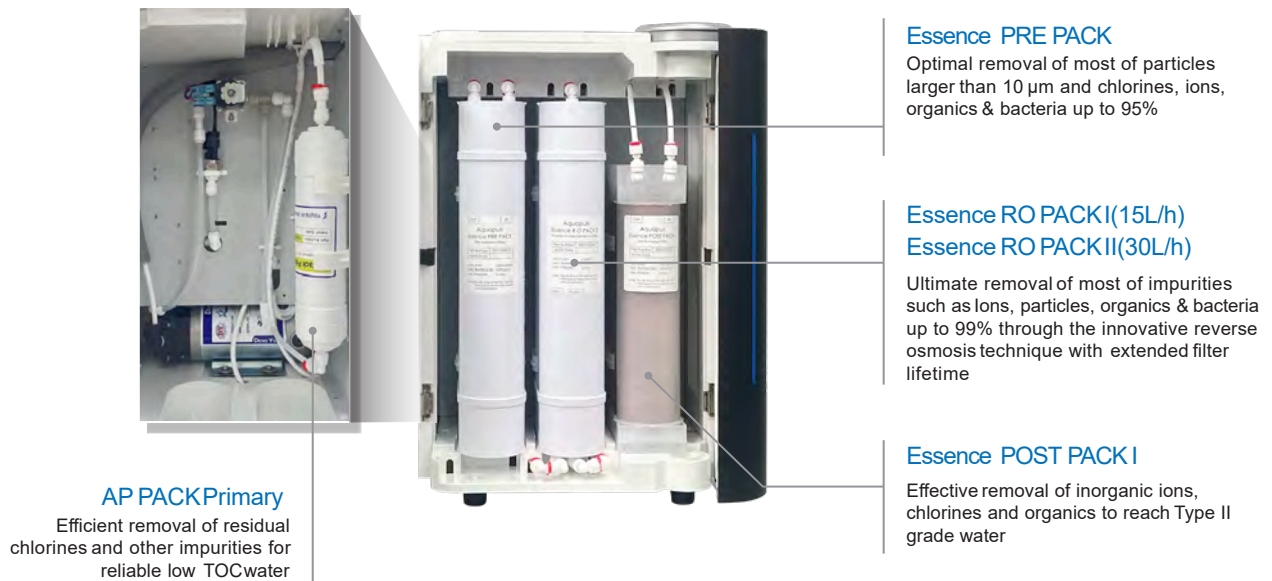
## Ensured Water Quality (with TOCdata)



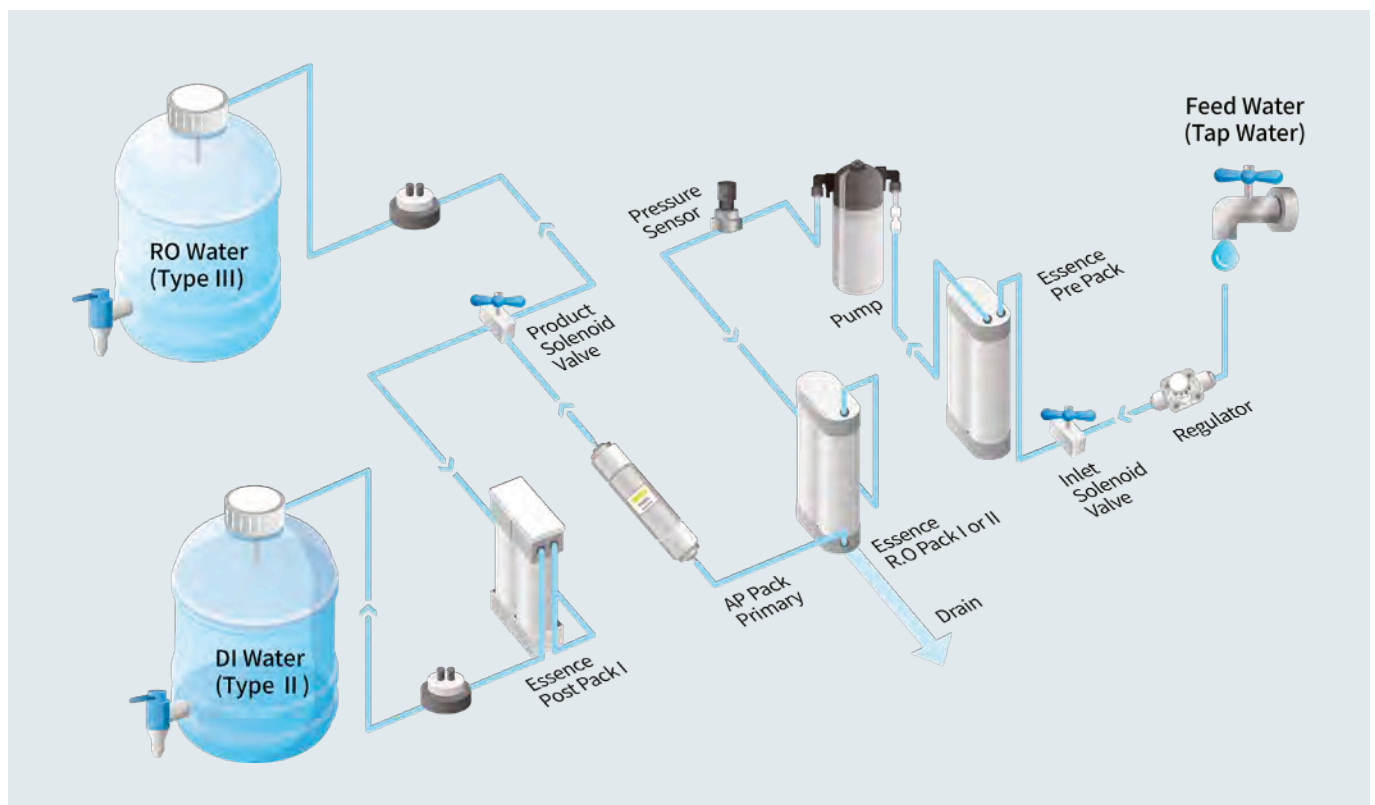
# aquapuri Essence

## Optimized Efficiency for Pure Water

aquapuri Essence is extremely qualified for pure water of Type II & III grade with the innovative filtration technology that makes the water quality even exceed the higher standard. It efficiently removes most of the impurities with an extended filter lifetime to reduce your operating cost and maintenance time.







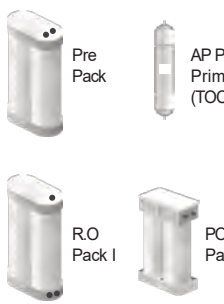
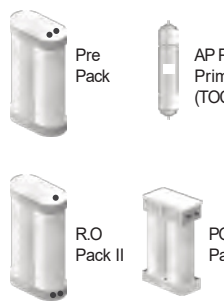


## aquapuri Essence Flow Diagram



# Quick Insight for aquapuri Essence

## Type II & III Water Production

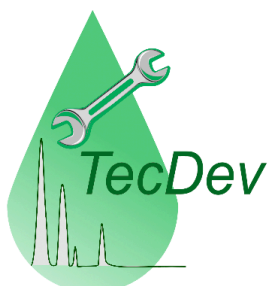
	380	381	382	383
Part No.	3301011300	3301011310	3301011320	3301011330
Water Grade	Type III (RO Water)	Type III (RO Water)	Type II/Type III (DI Water/RO Water)	Type II/Type III (DI Water/RO Water)
Flow Rate, at 25 °C	 15L/h	 30L/h	 15L/h	 30L/h
Water Quality, at 25 °C	$\geq 0.1 \text{ M}\Omega \cdot \text{cm}$ ( $\leq 10 \text{ }\mu\text{S/cm}$ )	$\geq 0.1 \text{ M}\Omega \cdot \text{cm}$ ( $\leq 10 \text{ }\mu\text{S/cm}$ )	$\geq 10 \text{ M}\Omega \cdot \text{cm}$	$\geq 10 \text{ M}\Omega \cdot \text{cm}$
Particle removal	99%	99%	99%	99%
Ion removal <input type="checkbox"/> by RO membrane	97-98%	97-98%	97-98%	97-98%
Organic removal	$\geq 99\%$	$\geq 99\%$	$\geq 99\%$	$\geq 99\%$
Bacteria removal	<50 CFU/mL	<50 CFU/mL	<0.1 CFU/mL	<0.1 CFU/mL
Selection Guide by Application	<ul style="list-style-type: none"> <li>• Washing/Rinsing</li> <li>• Autoclaves</li> <li>• Steam Generators</li> </ul>	<ul style="list-style-type: none"> <li>• Washing/Rinsing</li> <li>• Autoclaves</li> <li>• Steam Generators</li> </ul>	<ul style="list-style-type: none"> <li>▷ Including 380/381 Application</li> <li>• Buffer/Media prep.</li> <li>• Electrophoresis</li> <li>• Feedwater or Ultra-pure water</li> </ul>	<ul style="list-style-type: none"> <li>▷ Including 380/381 Application</li> <li>• Buffer/Media prep.</li> <li>• Electrophoresis</li> <li>• Feedwater -for Ultra-pure water</li> </ul>
Aquapuri Essence Consumables (Filters)	 Pre Pack   R.O Pack I   AP Pack Primary (TOC)	 Pre Pack   R.O Pack II   AP Pack Primary (TOC)	 Pre Pack   AP Pack Primary (TOC) R.O Pack I   POST Pack I	 Pre Pack   AP Pack Primary (TOC) R.O Pack II   POST Pack I

## Feed Water Requirement

Tap Water	pH	4.0-10.0	Total dissolved solids	<350 ppm
	Conductivity	<500 $\mu\text{S/cm}$	Chlorine concentration	<0.1 ppm (After Pre Pack)
	Pressure	1-6 bar (Recommended : >2 bar)	TOC	<3 ppm (Recommended : <2 ppm)
	Turbidity	<1.0 NTU	Temperature	4-35°C

# Water Purification System

Analytical instruments and services



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