

aquapuri 5 series

Water Purification System

The Most Needed WPS in Your Lab



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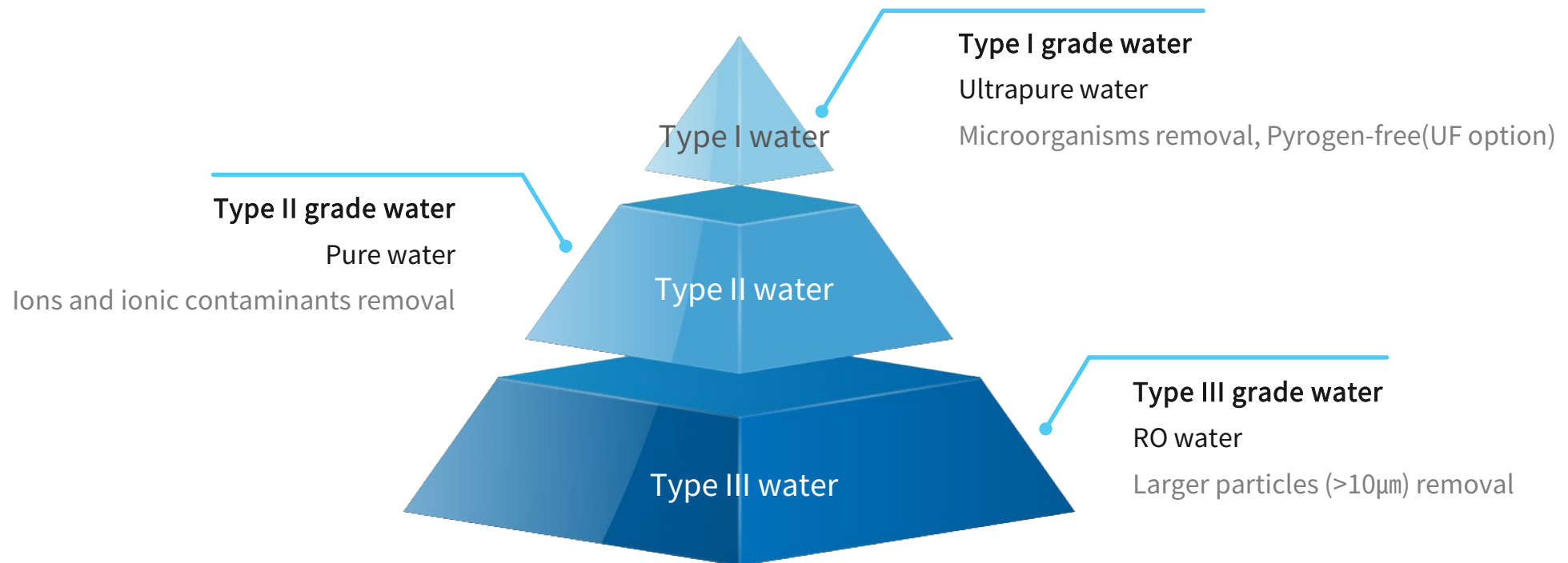
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Selection Guide

01

Types of Water Grade

3 Types of Water



Key Factors of Water Purity

- Conductivity/Resistivity
- Organic Compound Levels
- Total Organic Carbon Levels
- Biological Contamination

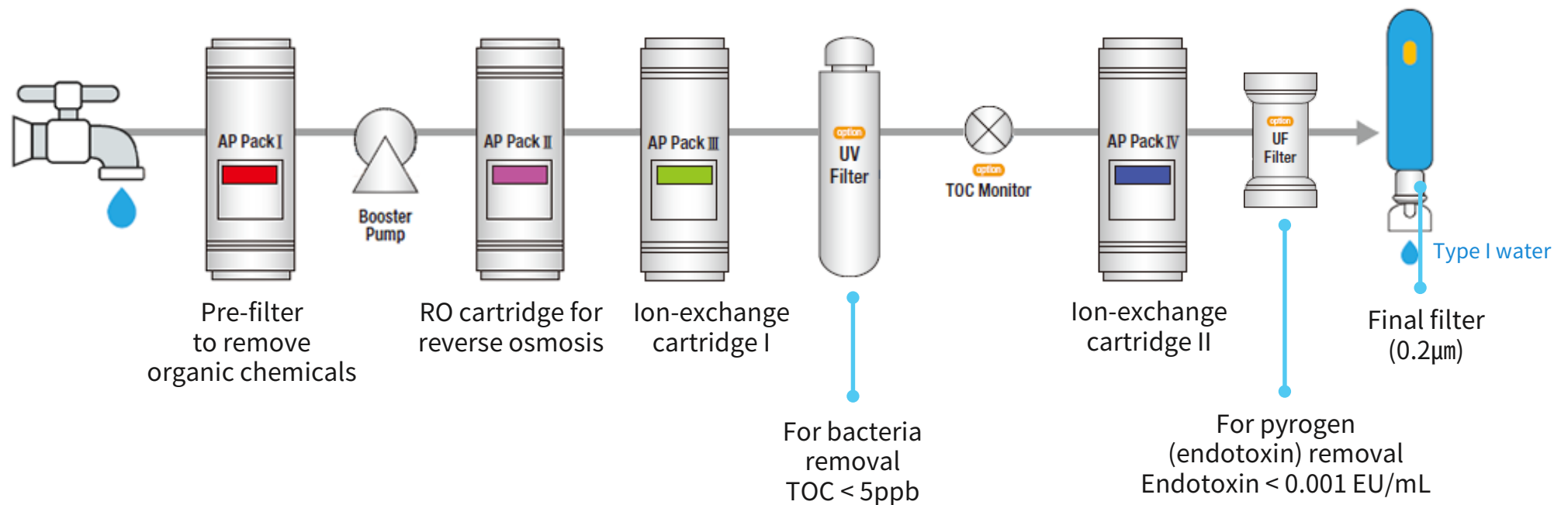


Water Quality Parameters by ASTM

Parameter	Type I*	Type II**	Type III***
Conductivity ($\mu\text{S}/\text{cm}$) at 25°C, max	0.056	1.0	0.25
Resistivity ($\text{M}\Omega\text{-cm}$) at 25°C, max	18.0	1.0	4.0
pH at 25°C	–	–	–
TOC ($\mu\text{g}/\text{l}$), max	50	50	200
Sodium ($\mu\text{g}/\text{l}$), max	1	5	10
Silica ($\mu\text{g}/\text{l}$), max	3	3	500
Chloride ($\mu\text{g}/\text{l}$), max	1	5	10

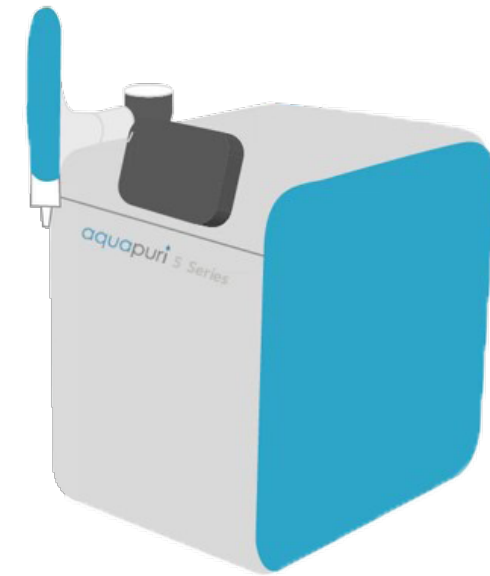
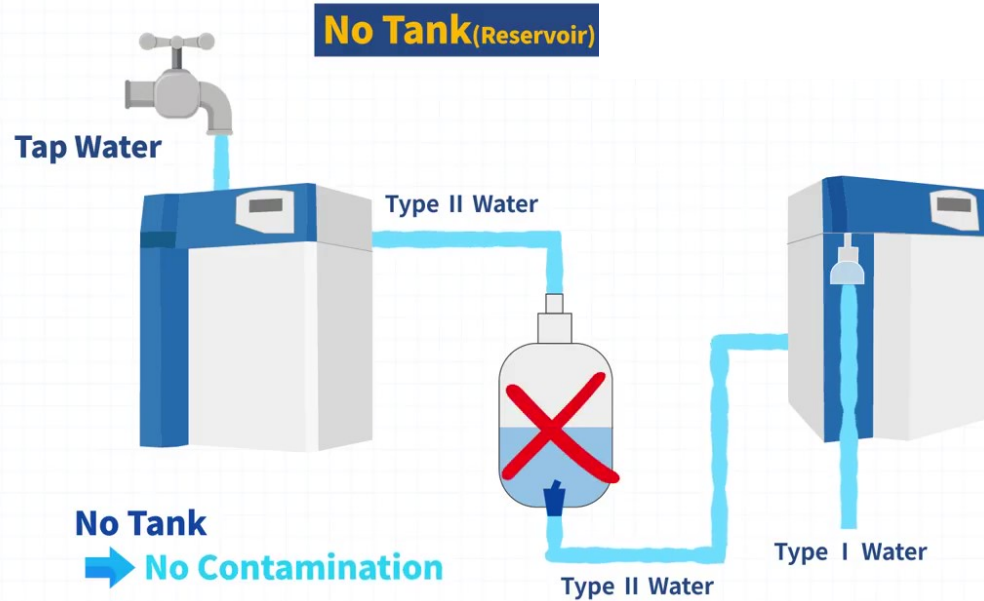
*Requires use of 0.2 μm membrane filter; **Prepared by distillation; ***Requires the use of 0.45 μm membrane filter.

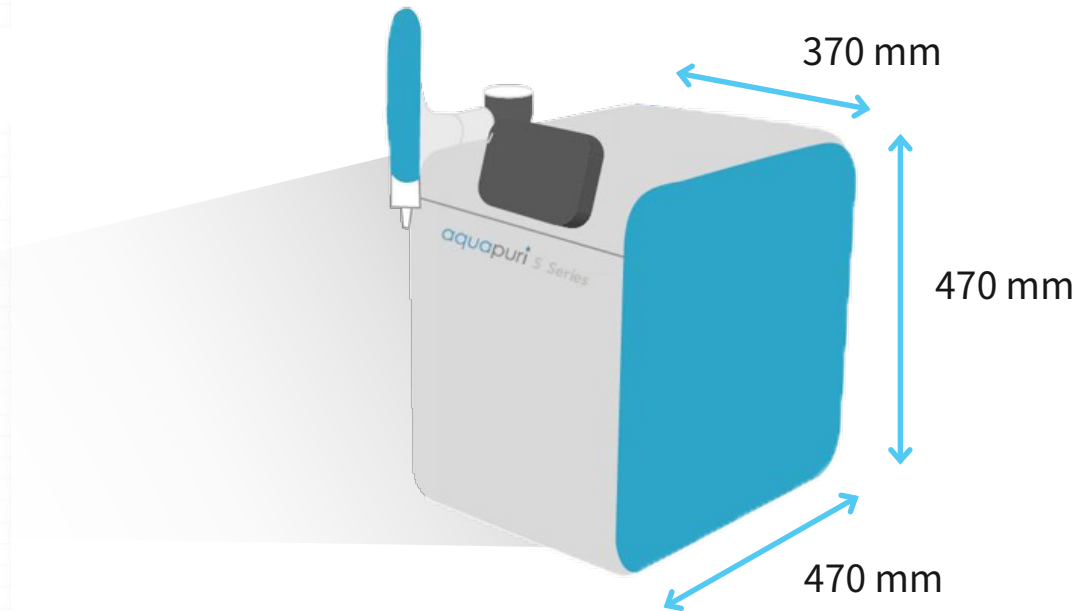
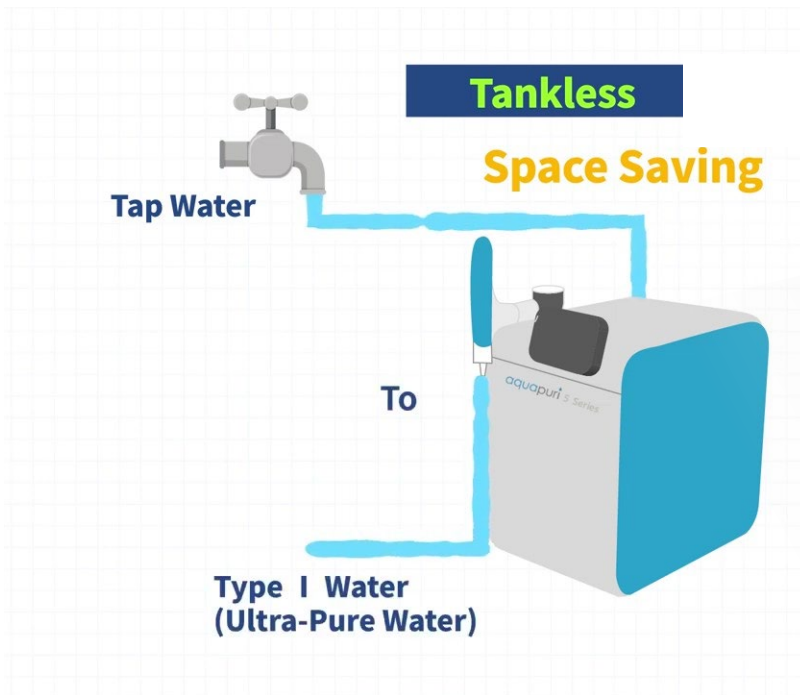
Flow Diagram of aquapuri System

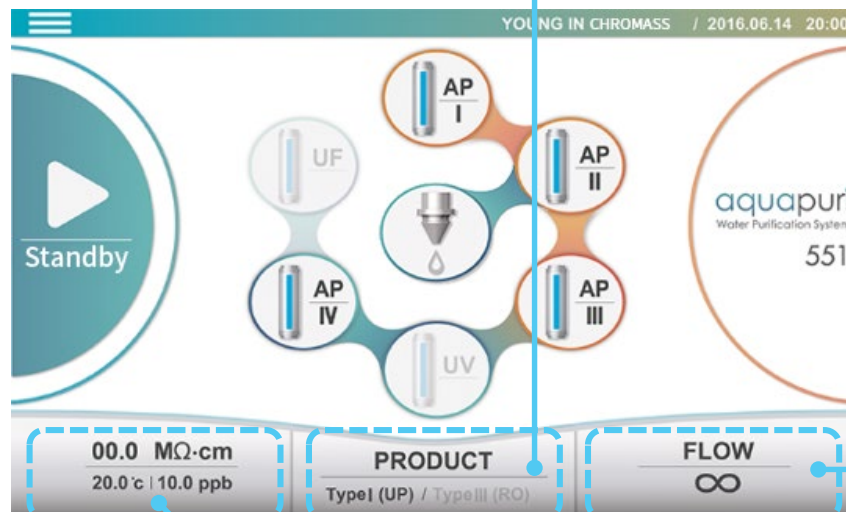


02

Advantages



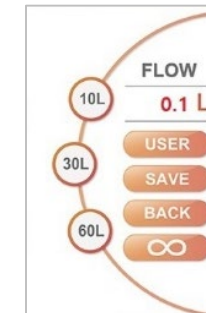




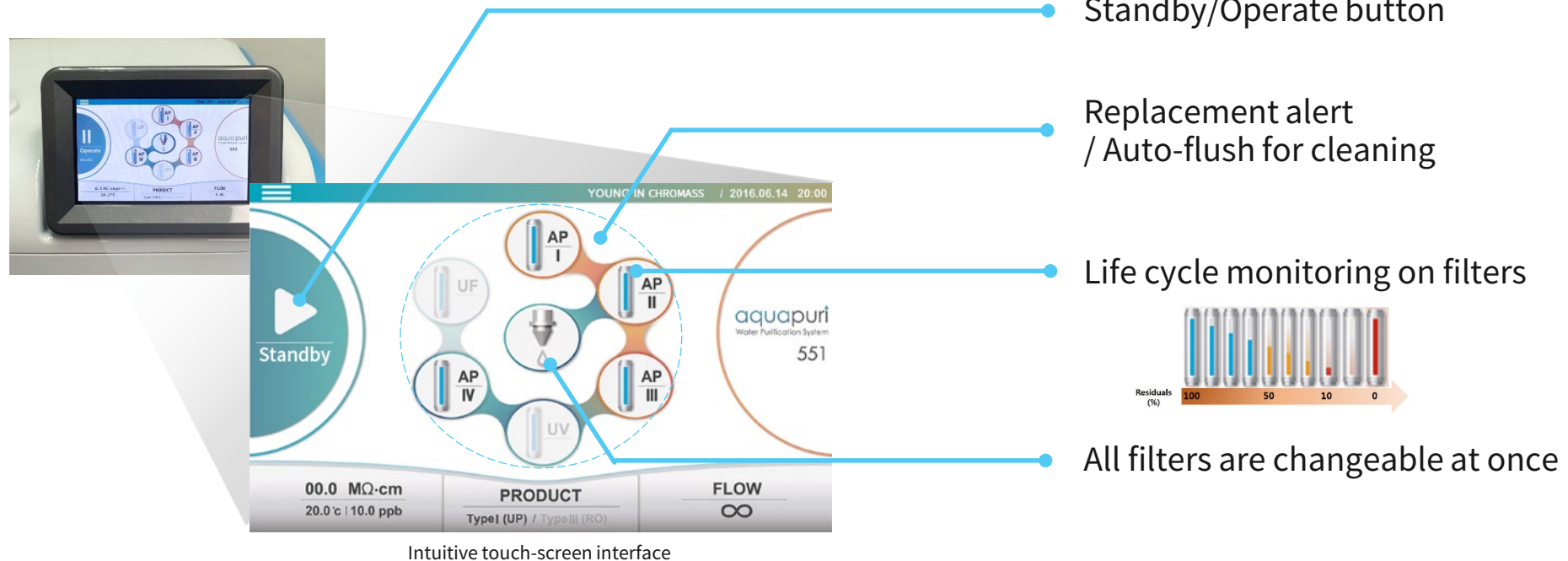
Water type selectable touch button

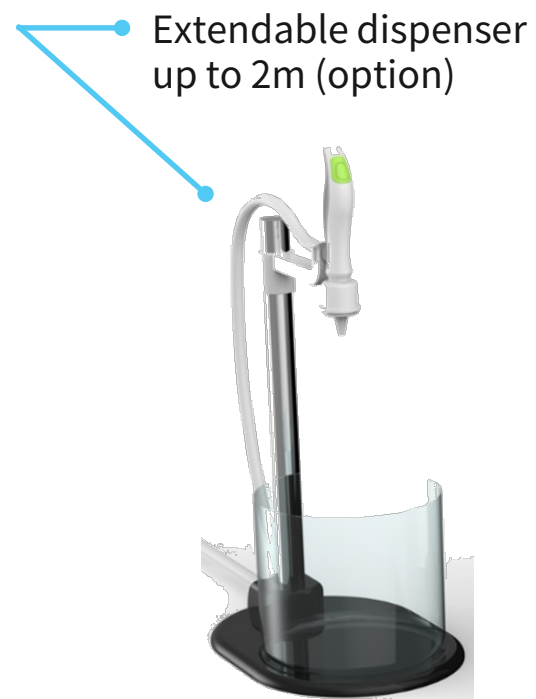
Flow rate setting

- Preset volume
- Manual volume



Water quality, temperature and TOC level monitoring (Switchable to monitor resistivity/conductivity)





Easy door open



Magnetic door

Filter Replacement without Tools



03

Products

03 Products

Type II



363 series



521 series

Type I



551 series



532 series

Type III



541 series



511 series

aquapuri 5 series

Features

Type II water

- Type II grade water production
- Resistivity: $10 \text{ M}\Omega \cdot \text{cm}$ at 25°C
- Conductivity: $0.1 \mu\text{s}/\text{cm}$ at 25°C
- Delivery Flow Rate: 20 L/h



aquapuri 363



aquapuri 511/521

Features of aquapuri 511

Type III water

- Conductivity: 10 $\mu\text{S}/\text{cm}$ at 25°C
- Delivery Flow Rate: 60 L/h

Features of aquapuri 521

Type II water

- Resistivity: 10 $\text{M}\Omega \cdot \text{cm}$ at 25°C
- Conductivity: 0.1 $\mu\text{S}/\text{cm}$ at 25°C
- Delivery Flow Rate: 60 L/h



aquapuri 532

Features

Type I water

- Resistivity: $18.2 \text{ M}\Omega \cdot \text{cm}$ at 25°C
- Conductivity: $0.055 \mu\text{S}/\text{cm}$ at 25°C
- TOC: $< 5 \text{ ppb}$ (Option)
- Endotoxin (Pyrogen): $< 0.001 \text{ EU}/\text{mL}$ (Option)
- Delivery Flow Rate: $120 \text{ L}/\text{h}$
- Type II water required as feed water



aquapuri 541

Features

Integrated model (Type I, III)

- Tank-less system
- Resistivity: $18.2 \text{ M}\Omega \cdot \text{cm}$ at 25°C
- Conductivity: $0.055 \mu\text{S}/\text{cm}$ at 25°C
- TOC: $< 5 \text{ ppb}$ (Option)
- Endotoxin (Pyrogen): $< 0.001 \text{ EU/mL}$ (Option)
- Delivery Flow Rate: 60L/h



aquapuri 551

Features

Integrated model (Type I, II)

- Tank-less system
- Resistivity: $18.2 \text{ M}\Omega \cdot \text{cm}$ at 25°C
- Conductivity: $0.055 \mu\text{S}/\text{cm}$ at 25°C
- TOC: $< 5 \text{ ppb}$ (Option)
- Endotoxin (Pyrogen): $< 0.001 \text{ EU}/\text{mL}$ (Option)
- Delivery Flow Rate: $60\text{L}/\text{h}$

04

Selection Guide

- Washing/Rinsing
- Autoclaves
- Steam Generators

- Buffer/Media prep.
- Electrophoresis
- Feed water for ultra-pure water

- Reagents
- General analysis (IC, AAS, HPLC, ICP-MS)
- Standard solvents

- Ultra-trace inorganic/organic analysis
- GC-MS and TOC analysis

- Mammalian cell culture
- DNA sequencing
- Monoclonal antibody production

- PCR
- 2-Dimensional electrophoresis
- Cell culture

Type I

532
541
551

532UV
541UV
551UV

532UF
541UF
551UF

532VF
541VF
551VF

Type II

363
521
551(Type II)

Type III

511
541(Type III)

