

# Aquinity<sup>2</sup> P10

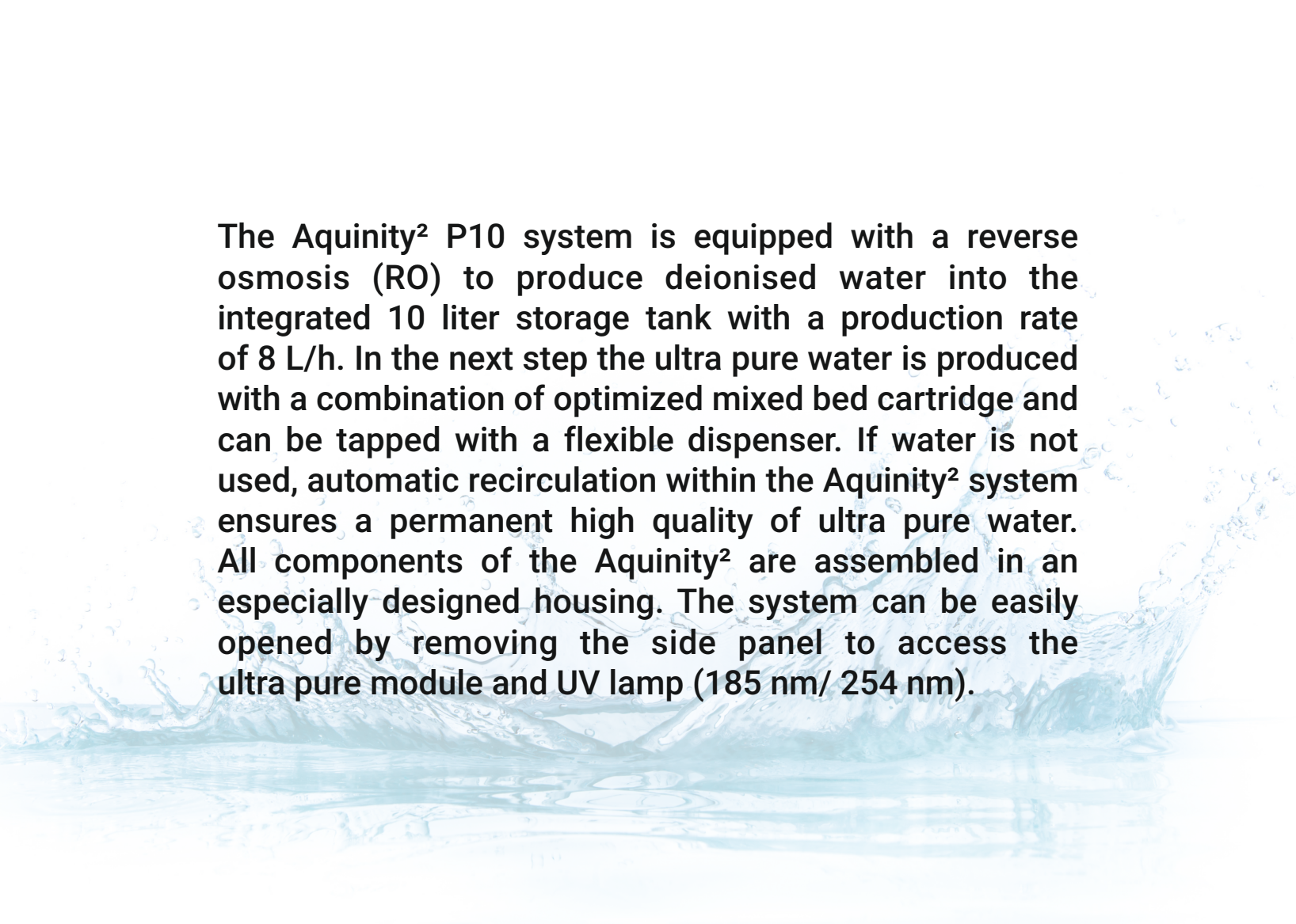
*Produces Ultra pure Water*





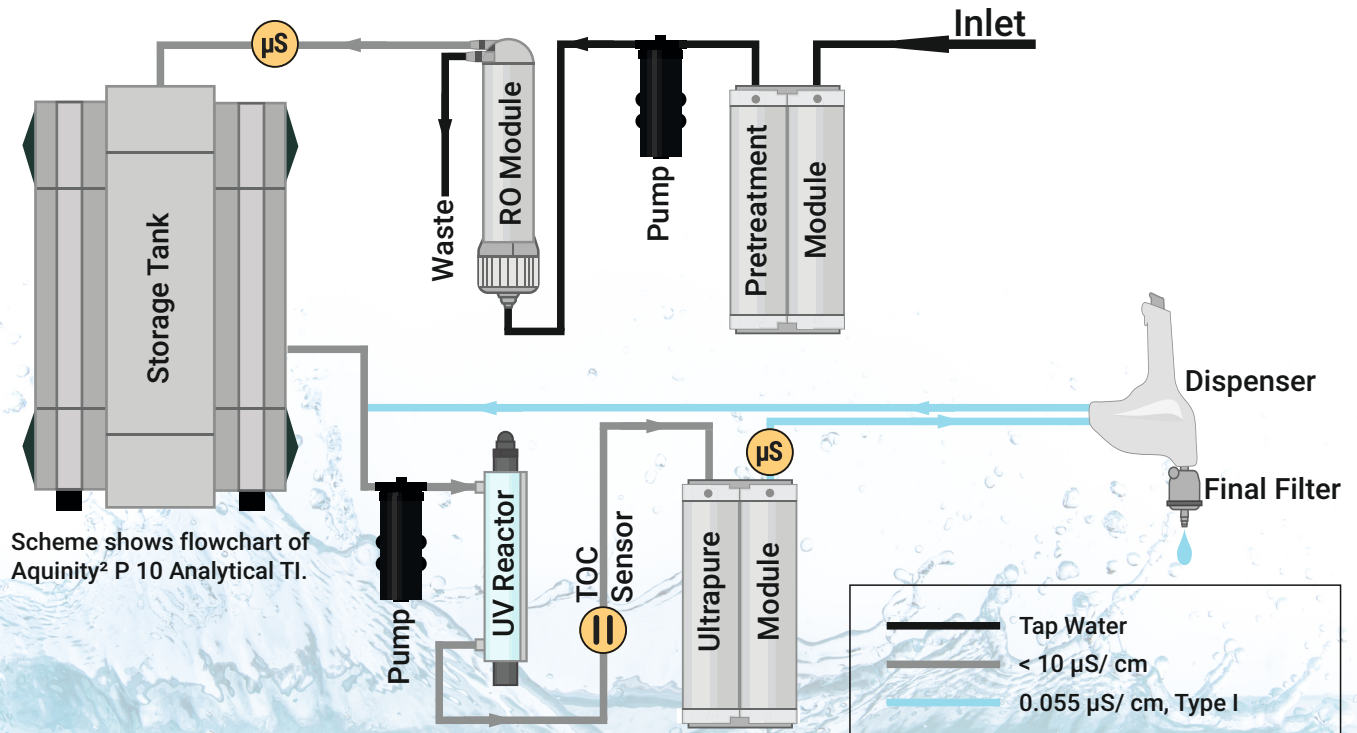


The **Aquinity<sup>2</sup> P10** system is designed for the production of ultra pure water ( $0.055 \mu\text{S}/\text{cm}$ ) out of tap water.

A dynamic splash of water with many bubbles and droplets, creating a sense of freshness and purity. The water is light blue and white, with the splash rising from the bottom and spreading outwards.

The Aquinity<sup>2</sup> P10 system is equipped with a reverse osmosis (RO) to produce deionised water into the integrated 10 liter storage tank with a production rate of 8 L/h. In the next step the ultra pure water is produced with a combination of optimized mixed bed cartridge and can be tapped with a flexible dispenser. If water is not used, automatic recirculation within the Aquinity<sup>2</sup> system ensures a permanent high quality of ultra pure water. All components of the Aquinity<sup>2</sup> are assembled in an especially designed housing. The system can be easily opened by removing the side panel to access the ultra pure module and UV lamp (185 nm/ 254 nm).





## Technical Specifications



ultrapure water quality	0.055 $\mu\text{S}/\text{cm}$ ; Type I
resistivity	18.2 $\text{M}\Omega\cdot\text{cm}$
total organic carbon (TOC)	< 10 ppb Reagent   < 3 ppb Analytical
dispensing flow rate	1.5 L/min
productivity rate	8 L/h of purified water*
bacteria	< 1 cfu/mL**
particulate	> 0.2 $\mu\text{m}$ less than 1 particulate/mL
RNAse	< 1 pg/mL**
DNAse	< 5 pg/mL**
dimensions, weight, power	504 x 340 x 535 mm, 16-20 kg, 110-230 V

\* not possible to tap pure water \*\* with microbiological final filter

## Feed Water Requirements

type of feed water	tap water
feed water conductivity	< 1400 $\mu\text{S}/\text{cm}$
inlet pressure	1.5 to 6 bar
free chlorine	< 0.1 mg/L
Silt Density Index (SDI)	< 3
pH	3 to 9
temperature	5 to 25 $^{\circ}\text{C}$

## Configurations



Aquinity² P10 is available in two configurations (Reagent & Analytical) to fit the specific requirements of ultrapure water quality for different applications.

model	UV reactor	Cat. No.
Reagent	-	114-0070
Analytical	+	114-0071

## Options

### wall mounted configuration

To save valuable benchtop space the system can be ordered as wall mounted configuration. The whole system can be mounted on the wall with inclined display.

### TOC monitoring (TI version)

The TOC monitoring during production and intermittent measurements during non-use periods allows to check the organic content in water continuously between 1 and 999 ppb.



### bench integrated (BI version)

To save valuable benchtop space the Aquinity<sup>2</sup> can be ordered as BI configuration. The system will be installed underneath the work bench and only the display and dispenser are mounted on the wall.

### volumetric dispensing

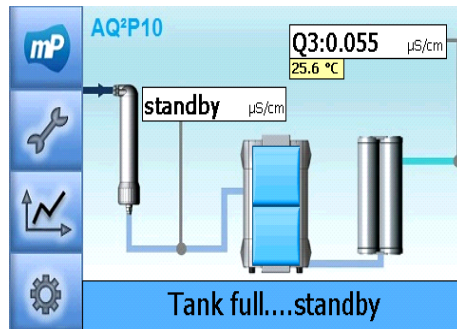
Our dispenser allows the volumetric controlled dispensing of water with an increment of 0.1 L and a tap volume from 0.1 to 99 L. The system prevents overflow of containers and allows to dispense water without supervising.



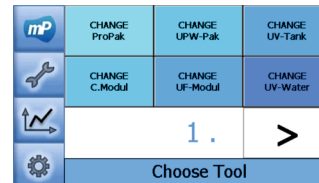
**WATER**  
PURIFIER

## User Interface & Software

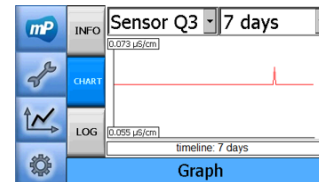
Currently recorded data and warning messages will be displayed on the touch screen monitor. The software furthermore supports the user with a self-diagnostic module which reduced service time and costs.



Main Screen: The Software allows the user to see all information to use maintenance tool and track back historical values up to 1 year.



Helping tools to maintain system



Trackable values up to 1 year



Warning of customer in case of over limit and service case





## Consumables

Description	Cat. No.
Ultrapure Module MemPak LS (Life Science)	190-0087
Ultrapure Module MemPak AL (Analytical)	190-0088
UV lamp (185 nm/ 254 nm)	921-0508
vent filter for internal tank	450-0025
Pretreatment Module ProPak R10	290-0065
Final Filter, capsule 0.2 µm	190-0013*

\* 190-0082 Final Filter to reduce Endotoxin, DNA + RNase



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