

Aquinity² P10

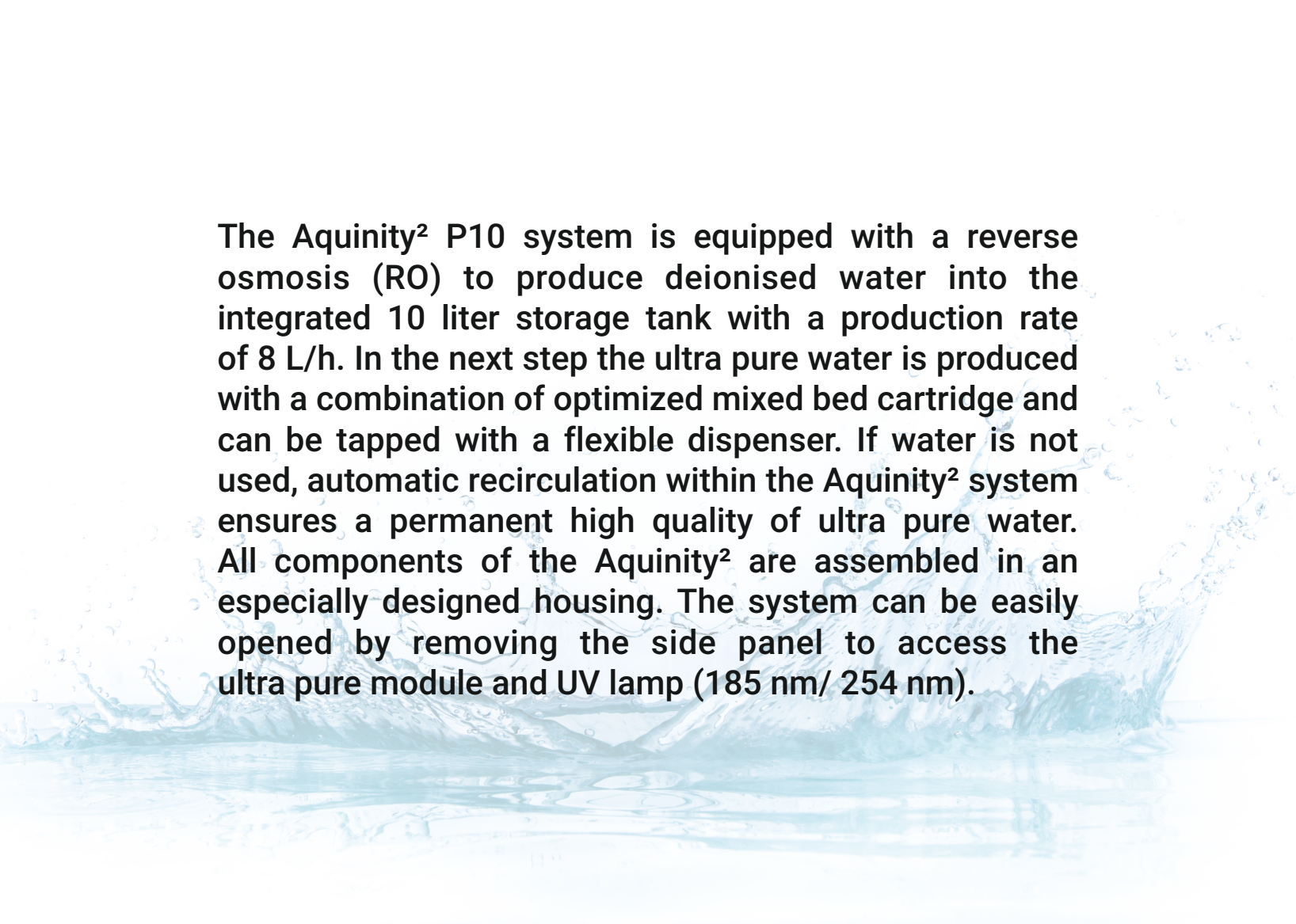
Produces ultra pure water from tap water







The **Aquinity² P10** system is designed for the production of ultra pure water ($0.055 \mu\text{S}/\text{cm}$) out of tap water.

A background image showing a dynamic splash of clear water against a white background. The water is captured in mid-air, creating a sense of movement and freshness. The splash is centered horizontally and extends across most of the width of the page. The water droplets are sharp and detailed, with some showing highlights from light. The overall effect is clean and refreshing, fitting the theme of water purification.

The Aquinity² 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 Aquinity² system ensures a permanent high quality of ultra pure water. All components of the Aquinity² 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



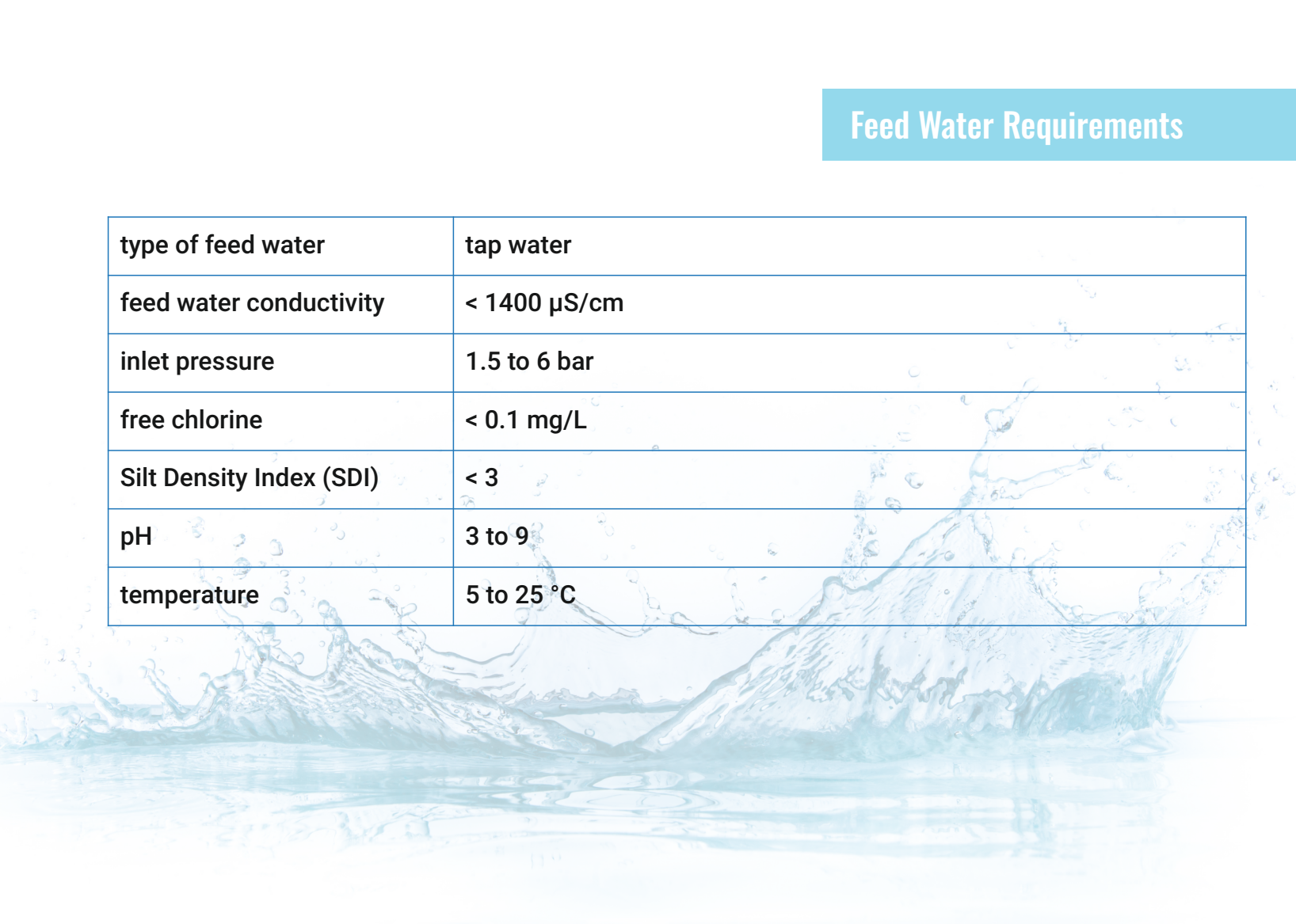
ultra pure water quality	0.055 $\mu\text{S}/\text{cm}$ / 18.2 $\text{M}\Omega\cdot\text{cm}$; ASTM Type I
total organic carbon (TOC)	< 10 ppb Reagent < 3 ppb Analytical
dispensing flow rate	1.5 L/min
productivity rate	8 L/h of purified water*
bacteria	< 0.01 cfu/mL**
pyrogen	< 0.001 EU/mL
particulate	> 0.2 μm , less than 1 particulate/mL
RNAse	< 0.5 pg/mL**
DNAse	< 10 pg/mL**
dimensions, weight, power	(340 x 510 ⁺ x 540 ⁺ mm W x D x H), 16-20 kg, 110-230 V

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

⁺ with dispenser 340 x 590 x 750 mm

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 $^{\circ}\text{C}$

A large, dynamic splash of water is visible in the background, extending across the bottom half of the page. The water is captured in mid-air, creating a sense of movement and freshness. The splash is centered and spreads outwards, with many small droplets visible. The overall color palette is light blue and white, matching the clean, technical theme of the document.

Configurations



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

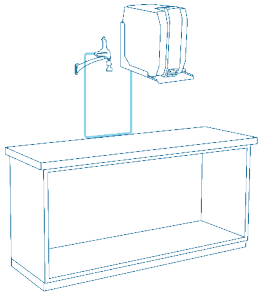
model	UV reactor	Cat. No.
Reagent	-	114-0070
Analytical	+	114-0071

Options



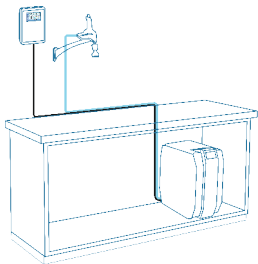
TOC monitoring (TI version)

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.



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.



bench integrated (BI version)

To save valuable benchtop space the Aquinity² 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.

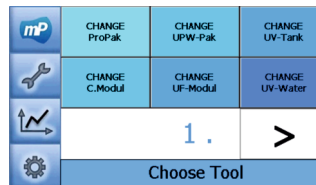
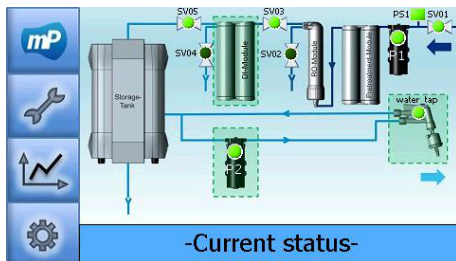


User Interface & Software

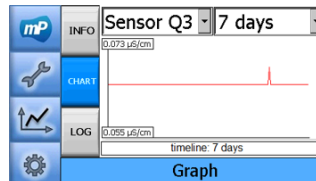
Currently recorded data and warning messages will be displayed on the touch screen monitor. The software furthermore supports the user with a self-diagnostic module which reduced service time and costs.



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 & Spare Parts

Description	Cat. No.
Ultra pure Module MemPak LS (Life Science)	190-0087
Ultra pure 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*

* 190-0305 Final Filter to reduce Endotoxin, DNA + RNase



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