

Aquinity² P35/70

Produces Pure Water & Ultrapure Water



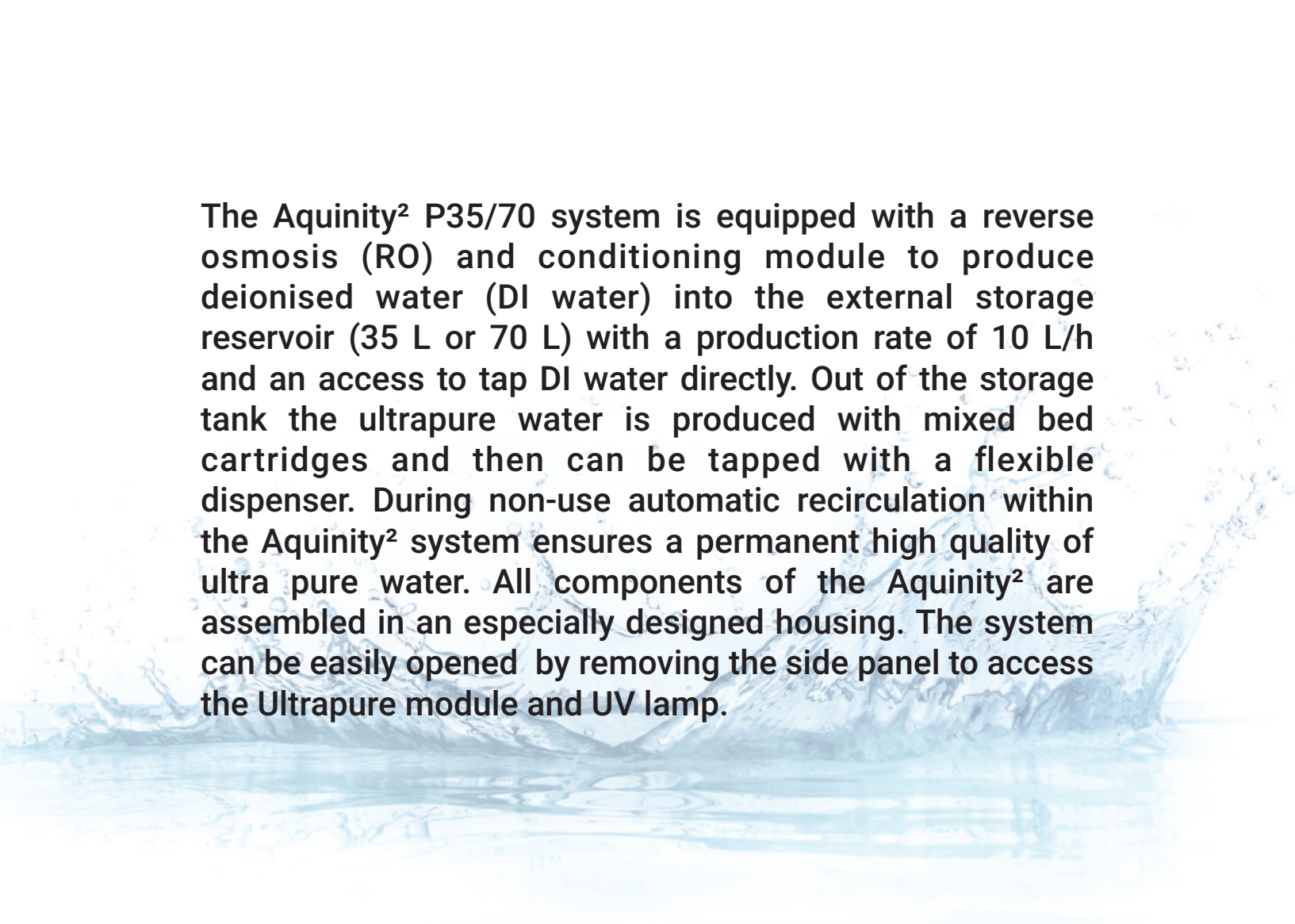
**WATER
PURIFIER**



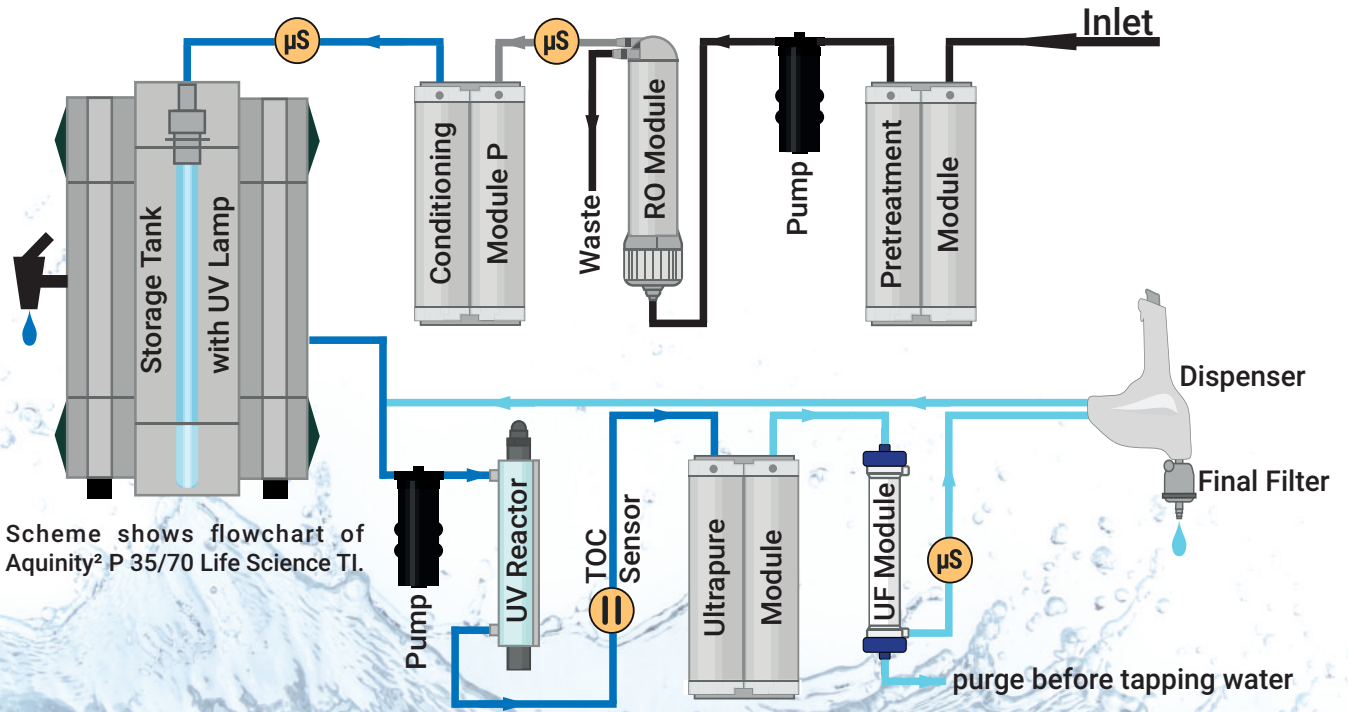


WATER
PURIFIER

The **Aquinity² P35/70** system is designed for the production of pure water ($< 2 \mu\text{S}/\text{cm}$) and ultrapure water ($0.055 \mu\text{S}/\text{cm}$) out of tap water.

The background of the slide features a dynamic splash of clear water against a white background. The water is captured in mid-air, with numerous droplets and a large, frothy plume on the right side, creating a sense of movement and freshness. The splash extends across the bottom and right portions of the frame, with some water droplets appearing to fall towards the bottom edge.

The Aquinity² P35/70 system is equipped with a reverse osmosis (RO) and conditioning module to produce deionised water (DI water) into the external storage reservoir (35 L or 70 L) with a production rate of 10 L/h and an access to tap DI water directly. Out of the storage tank the ultrapure water is produced with mixed bed cartridges and then can be tapped with a flexible dispenser. During non-use 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 Ultrapure module and UV lamp.



Scheme shows flowchart of Aquinity² P 35/70 Life Science TI.

	Tap Water
	<math>< 10 \mu\text{S}/\text{cm}</math>
	<math>< 2 \mu\text{S}/\text{cm}</math>
	$0.055 \mu\text{S}/\text{cm}$

Technical Specifications

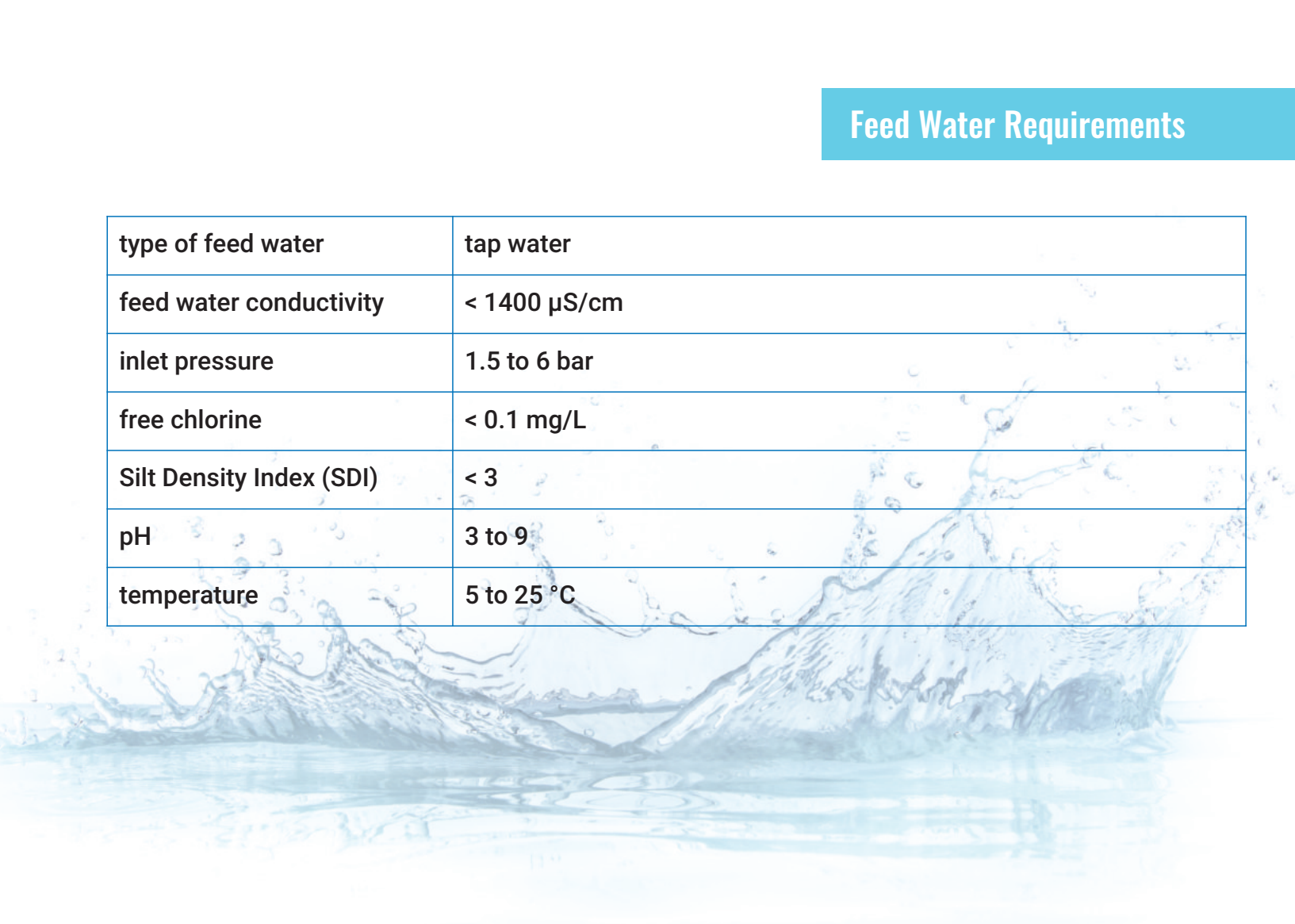


pure water + ultrapure water	< 2 $\mu\text{S}/\text{cm}$; Type II + 0.055 $\mu\text{S}/\text{cm}$; Type I
resistivity	> 0.5 $\text{M}\Omega \cdot \text{cm}$; Type II + 18.2 $\text{M}\Omega \cdot \text{cm}$; Type I
total organic carbon (TOC)	< 10 ppb Reagent < 5 ppb Life Science < 3 ppb Analytical
dispensing flow rate	2.0 L/min (1.5 L/min Life Science)
productivity rate	10 L/h, optionally 20 L/h
bacteria	< 1 cfu/mL*
particulate	> 0.2 μm less than 1 particulate/mL
pyrogen (endotoxins)	< 0.001 EU/mL
RNAse DNAse	< 1 pg/mL* < 5 pg/mL*
dimensions, weight, power	504 x 680 x 535 mm, 16-20 kg, 110-230 V

* with Life Science model

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, artistic splash of water in shades of light blue and white, serving as a background for the lower portion of the slide.

Configurations

Aquinity² P35/70 is available in different configurations to fit the specific requirements of pure and ultrapure water quality for different applications.



Aquinity ² (10 L/h)	UV reactor	UF module	TOC monitoring	Cat. No. (35 L reservoir)	Cat. No. (70 L reservoir)	Aquinity ² 20 (20 L/h)
Reagent	-	-	-	114-0050	114-0060	-
Analytical	+	-	-	114-0051	114-0061	-
Life Science	+	+	-	114-0052	114-0062	-
Analytical TI	+	-	+	114-0056	114-0066	114-0074
Life Science TI	+	+	+	114-0057	114-0067	114-0075

Options

µS-control

The µS-control checks the conductivity of feed water to protect the cartridges against inappropriate feed water. If conductivity is too high the water flow will be rejected.

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 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

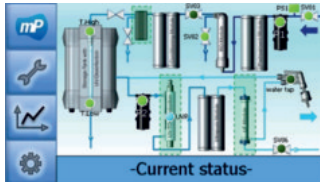
Our dispenser allows the volumetric controlled dispensing of water with an increment of 0.1 L and a tap volume from 0.1 to 99 L. The system prevents overflow of containers and allows to dispense water without supervising.



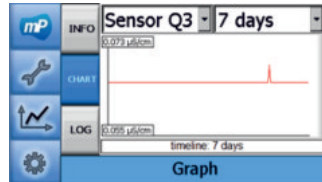
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User Interface & Software

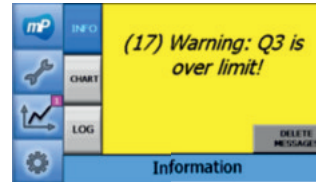
Currently recorded data and warning messages will be displayed on the touch screen monitor. The software furthermore supports the user with a self-diagnostic module which reduced service time and costs.



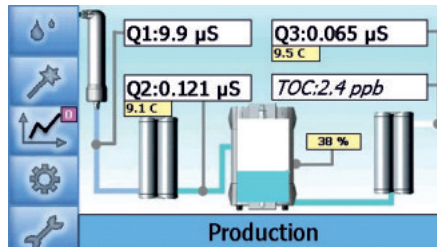
Helping tools to maintain system



Trackable values up to 1 year



Warning of customer in case of over limit and service case



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





WATER PURIFIER

Consumables

Description	Cat. No.
Conditioning Module P	190-0086
Ultrapure Module MemPak LS (Life Science)	190-0087
Ultrapure Module MemPak AL (Analytical)	190-0088
UV lamp	921-0138
Submersible UV lamp for reservoir	921-0483
Pretreatment Module ProPak R10	290-0065
Ultrafiltration Module	190-0052
Final Filter, capsule 0.2 µm	190-0013*
Disinfection Tablets	290-0227

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

Made in Germany, more than 25 years...



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