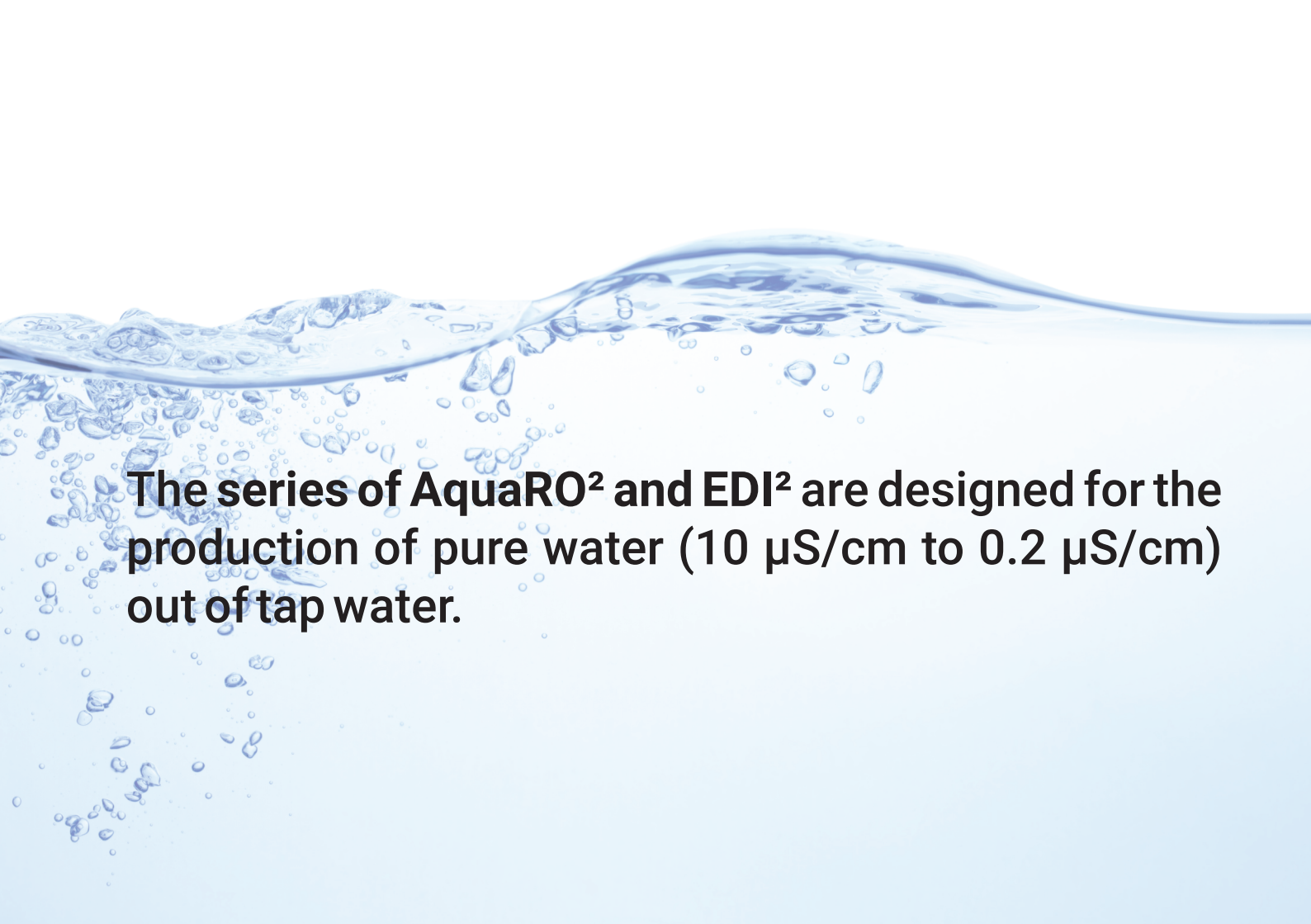


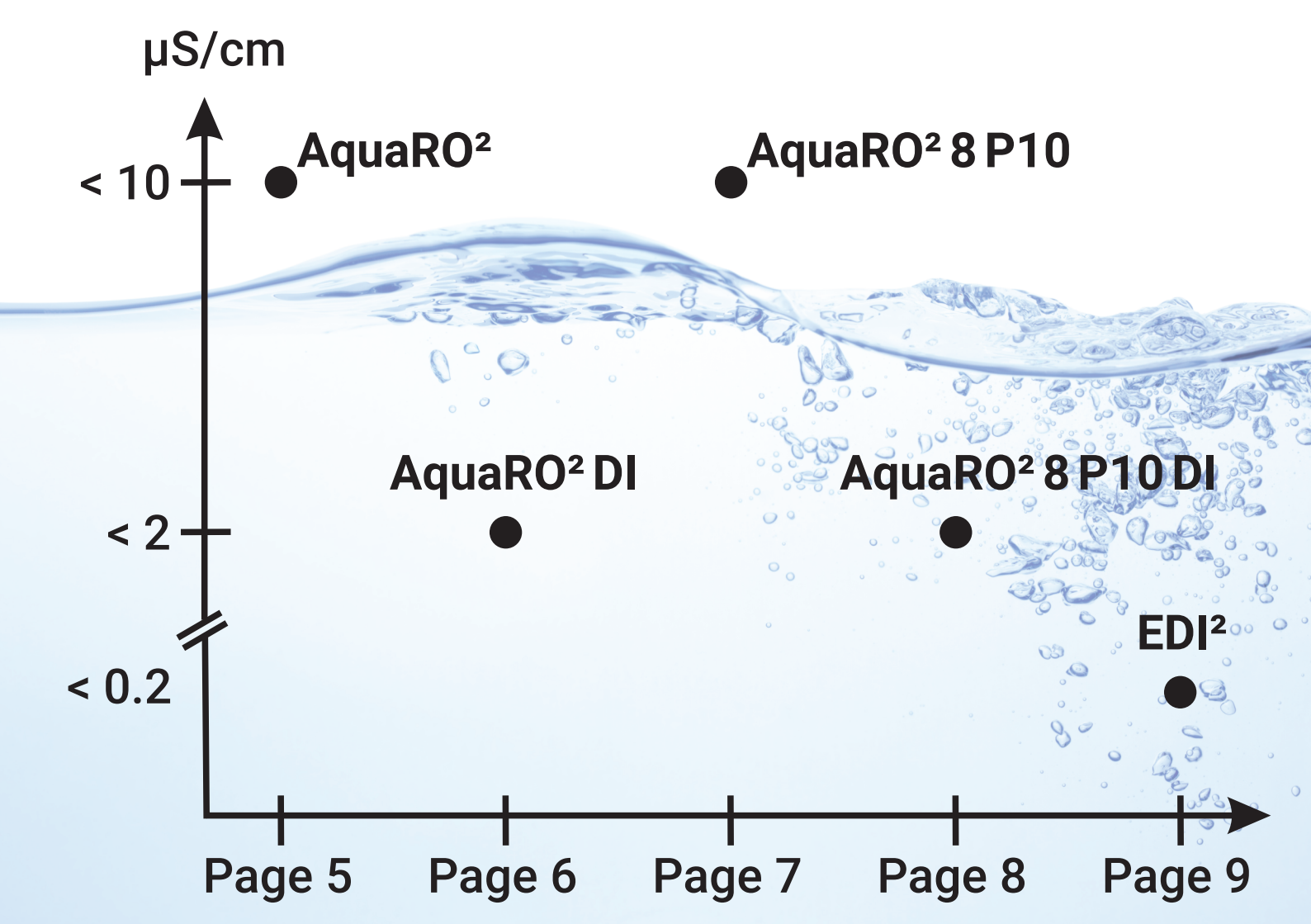
Series of AquaRO² & EDI²

*Produces Pure Water in 3 different levels
of water quality*





The series of AquaRO² and EDI² are designed for the production of pure water (10 μ S/cm to 0.2 μ S/cm) out of tap water.

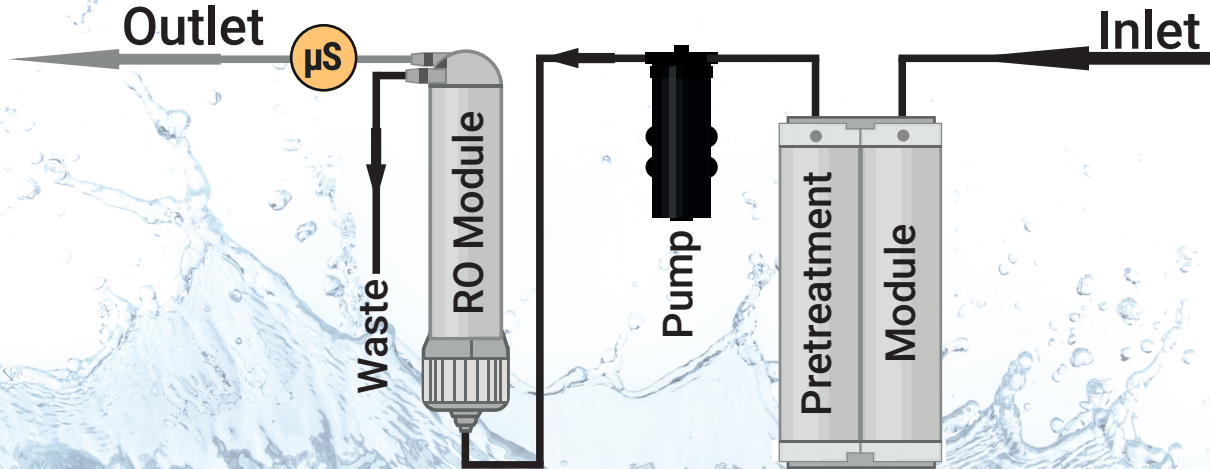


The series of AquaRO², AquaRO²DI and EDI² are based on a reverse osmosis (RO) unit to produce deionised water. The EDI² series further processes the osmosis water by using an EDI cell to get type II water.

The advantages of both series is the flexibility in terms of configuration. A production rate of 8 to 40 L/h in three different degrees of pure water (10 µS/cm to 0.2 µS/cm) is available. Optionally the systems can be equipped with a dispenser and integrated UV reactor. The customer can optionally choose a 35 L or 70 L tank.

All components of the AquaRO² and EDI² series are assembled in an especially designed housing. The systems can be easily opened by removing the side panel to access the spare parts.

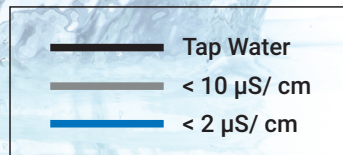
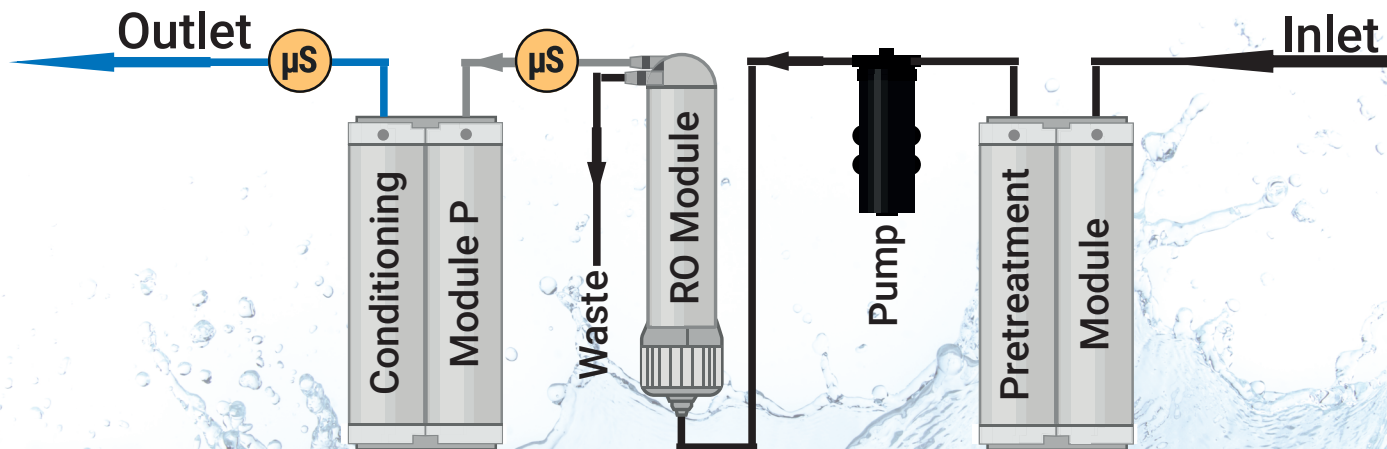
Flowchart of AquaRO²



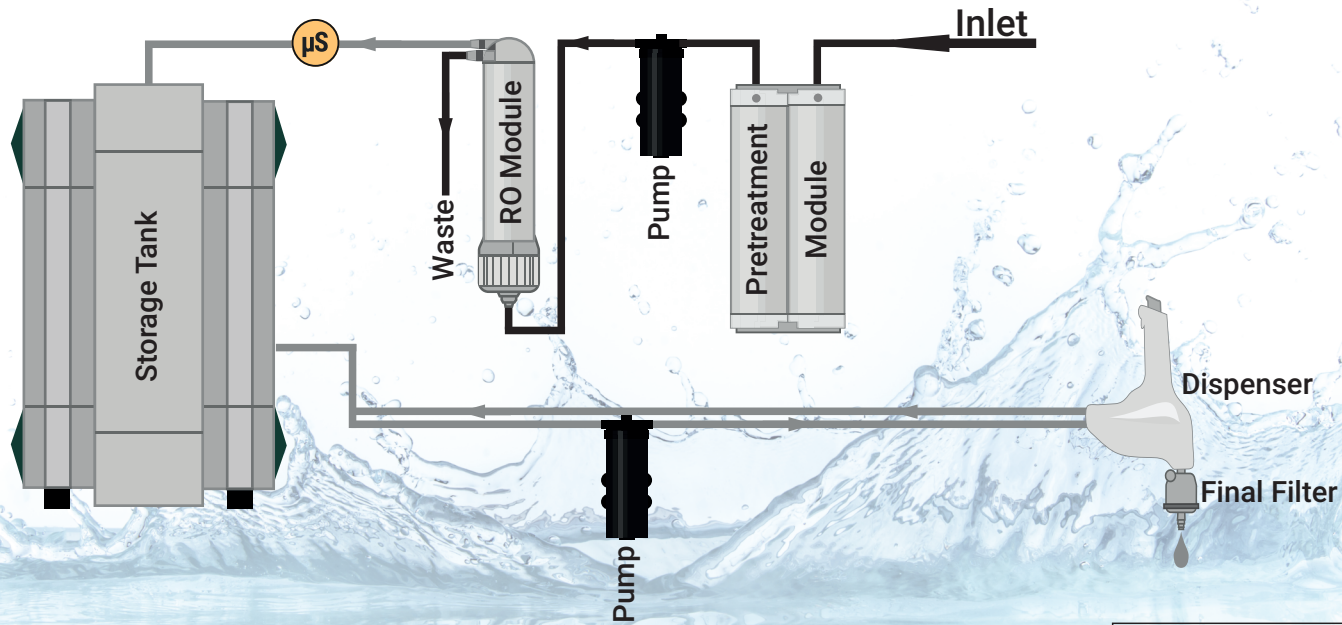
Scheme shows Flowchart of setup AquaRO², which forms simultaneous the basis for AquaRO² & EDI² series.

— Tap Water
— < 10 $\mu\text{S}/\text{cm}$

Flowchart of AquaRO² DI

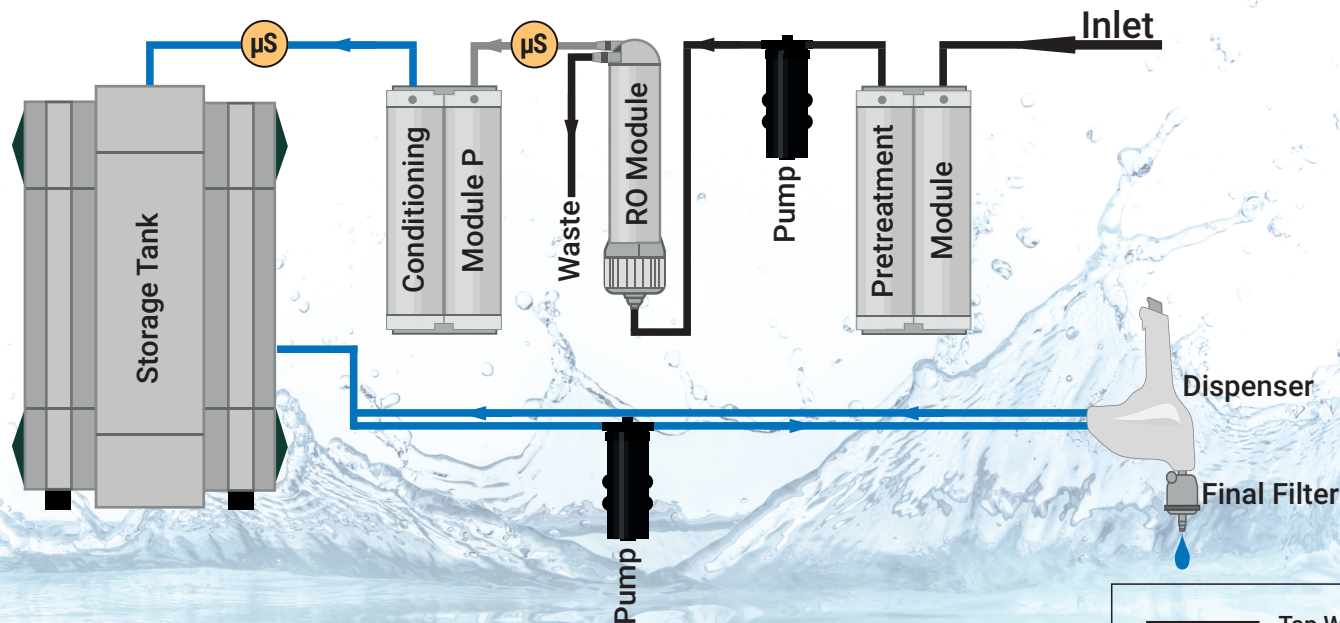


Flowchart of AquaRO² 8 P10



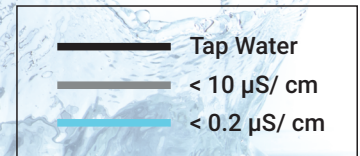
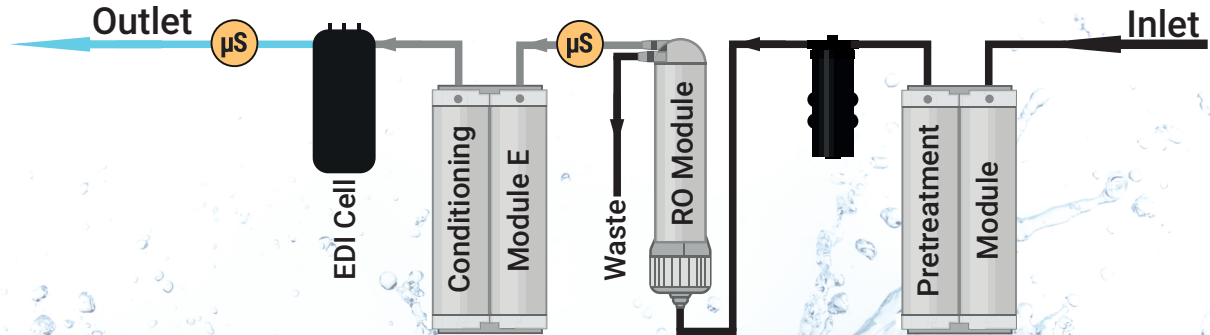
— Tap Water
— < 10 µS/cm

Flowchart of AquaRO² 8 P10 DI



- Tap Water
- < 10 µS/ cm
- < 2 µS/ cm

Flowchart of EDI²



Technical Specifications



Model	AquaRO ²	AquaRO ² DI	AquaRO ² 8 P10 P10 DI	EDI ²
pure water quality	< 10 µS/cm	< 2 µS/cm; Type II	< 10 µS/cm < 2 µS/cm	< 0.2 µS/cm; Type II
resistivity	> 0.1 MΩ·cm	0.5 MΩ·cm	> 0.1 MΩ·cm > 0.5 MΩ·cm	5 MΩ·cm
total organic carbon (TOC)	< 50 ppb	< 40 ppb	< 40 ppb	< 20 ppb
productivity rate	8 L/h to 40 L/h	8 L/h to 20 L/h	8 L/h	10 l/h to 40 L/h
bacteria	< 50 cfu/mL	< 50 cfu/mL	< 50 cfu/mL	< 10 cfu/mL

dimensions, weight, power (except AquaRO² 40 and EDI² 40):

AquaRO² : 504 x 340 x 535 mm, 16 to 20 kg, 110 V - 230 V

EDI² : 504 x 340 x 535 mm, > 40 kg, 110 V - 230 V

Feed Water Requirements

Model	AquaRO ²	EDI ²
type of feed water	potable water / tap water	potable water / tap water
feed water conductivity	< 1400 µS/cm	< 1400 µS/cm
inlet pressure	1.5 to 6 bar	< 5 bar
free chlorine	< 0.1 mg/L	< 0.02
Silt Density Index (SDI)	< 3	< 3
pH	3 to 9	3 to 9
temperature	5 to 25 °C	5 to 25 °C
iron / manganese	n. a. / n. a.	< 0.01 mg/L / < 0.01 mg/L
sulfate	n. a.	< 2 mg/mL

Configurations

The series of AquaRO² and EDI² are available in different configurations with different levels of production rate of pure water. This allows to fit the specific requirements of ultra pure water quality for different applications.

model	Cat. No.
AquaRO ² 10	200-0014
AquaRO ² 20	200-0018
AquaRO ² 40	200-0019

model	Cat. No.
AquaRO ² 10 DI	200-0023
AquaRO ² 20 DI	200-0024

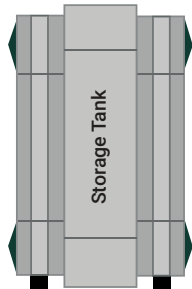
model	Cat. No.
AquaRO ² 8 P 10	200-0016
AquaRO ² 8 P10 DI	200-0017

model	Cat. No.
EDI ² 10	250-0064
EDI ² 20	250-0065
EDI ² 40	250-0066

Options

Softener Unit

Compact system in cabinet including control box for the pretreatment.



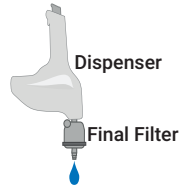
additional tank

The series of AquaRO² and EDI² can be equipped with a tank of 35 L or 70 L or individual size and if requested also with an integrated UV lamp.



upgrade with dispenser & UV reactor

Dispenser for controlled taping of water. For AquaRO² 40 and EDI² 40 the system can be additional equipped with an UV reactor to reduce organic contamination.



upgrade 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.

TOC monitoring (only for EDI²)

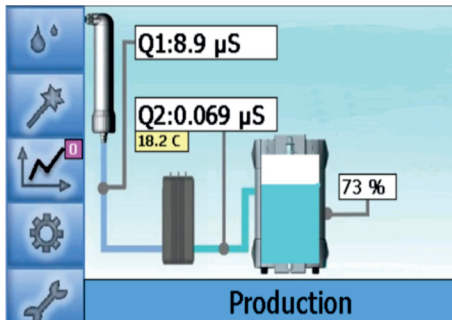
The TOC monitoring during production and intermittent measurements during non-use periods allows to check the organics in water continuously. The TOC value is measured with a detection limit of 1 ppb and can be shown in the display to monitor organic impurities.



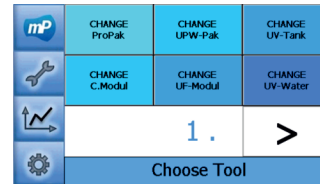
WATER
PURIFIER

User Interface & Software

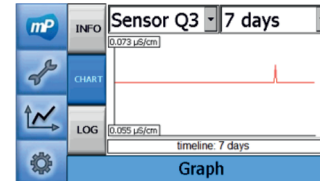
Currently recorded data and warning messages will be displayed on the touch screen monitor. The software furthermore supports the user with a self-diagnostic module which reduced service time and costs.



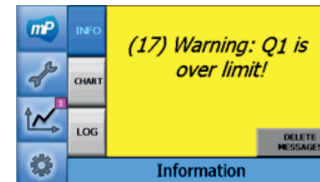
Main Screen: The Software allows the user to see all information to use maintenance tool and track back historical values up to 1 year.



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.
Pretreatment Module ProPak R10	290-0065
Conditioning Module for AquaRO ² DI	190-0086
Conditioning Module for EDI ²	290-0218
Reverse Osmosis (RO) Module	290-0226



WATER
PURIFIER

Made in Germany, more than 25 years...



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