

# Aquinity<sup>2</sup> E35/70 water treatment

for the production of pure and ultrapure water from tap water with integrated reverse osmosis system and EDI cell



## item number:



### fields of use:

- cleaning and disinfection machines, laboratory washers, sterilizers
- reagents, analytics, Life Science

### flexible dispenser:

- ultrapure water can be tapped directly from the dispenser
- allows controlled water release in 0.1 L increments
- tap volume from 0.1 to 99 L
- water dispensing without supervision due to overflow protection

### integrated TOC monitoring (TI-version):

- for continuous checking of the water for organic components during operation and when not in use

### color touch screen:

- for operation and monitoring of data and alarms

### integrated modules:

- EDI-cell (electrodeionization)
- conditioning module E
- ultrapure module MemPak
- uv-lamp 185 nm / 254 nm
- uv submersible lamp for reservoir
- pretreatment module ProPak R10
- ultrafiltration module
- self-diagnostic module for reduced service times and costs
- maintenance tool

### space-saving installation possible:

- optional wall mounting of the complete system
- optional installation of the system under the table; display is installed on the wall (BI-version)

ultrapure water ASTM type I + pure water ASTM type II specification:

conductivity	0,055 µS/cm + <0,2 µS/cm
resistance	18,2 MΩ x cm + 5 MΩ x cm
total organic carbon (TOC):	< 10 ppb reagent < 5 ppb life science < 3 ppb analytic
pyrogens (endotoxins)	< 0,001 EU/ml
bacterial content	< 1 KbE/ml*
particle content	weniger als 1/ml (> 0,2 µm)
RNAse	< 1 pg/ml*
DNAse	< 5 pg/ml*
flow rate at the dispenser	2,0 l/min (1,5 l/min*)

feed water requirements:

type	tap water
conductivity	< 1400 µS/cm
inlet pressure	1,5 - 6 bar
free chlorine	< 0,1 mg/l
carbon dioxide	< 30 mg/l
silica	< 10 mg/l
iron   manganese   sulfate	< 0,01 mg/l   < 0,01 mg/ml   < 2 mg/ml
silt density index (SDI)	< 3
pH-value	3 - 9
temperature	5 bis 25 °C

device specifications:

dimensions W x H x D	504 x 535 x 680 mm
power connection	110-230 V/50 Hz
produktivität rate RO	10,0 l/h, optional 20l/h
UV-lamp	185 nm / 254 nm
uv submersible lamp	for reservoir
final filter	capsule 0,2 µm
pretreatment module	ProPak R10
conditioning module	E
ultrapure module	MemPak
ultrafiltration module	

\* with Life Science-model

device configurations:

configuration	UV-reactor	UF-module	TOC-monitoring	20 l/h
reagent				
analytic	+			
life science	+	+		
analytic TI	+		+	+
life science TI	+	+	+	+

We reserve the right to make changes to products or technical specifications.

product information

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