

Astacus² water treatment

for the production of ultrapure water from permeate from a reverse osmosis system or from deionized water



item number: 10111533



fields of use:

- cleaning and disinfection machines, laboratory washers, sterilizers
- reagents, analytics, Life Science - depending on the device version

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

automatic conductivity monitoring:

- μS control shuts off water supply when feed water conductivity is too high to protect cartridges from unsuitable feed water
- feed water must be at least of drinking water quality

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:

- ultrapure module MemPak
- UV-lamp
- 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 and dispenser are installed on the wall (BI-version)

ultrapure water ASTM type I specification:

conductivity	0,055 $\mu\text{S}/\text{cm}$
resistance	18,2 $\text{M}\Omega \times \text{cm}$
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	less than 1/ ml ($> 0,2 \mu\text{m}$)
RNAse	< 1 pg/ml^*
DNAse	< 5 pg/ml^*

feed water requirements:

type	UO-/DI-water
conductivity	< 10 $\mu\text{S}/\text{cm}$
inlet pressure	0 - 1,5 bar
TOC-value	< 50 ppb
temperature	5 bis 25 $^{\circ}\text{C}$

device specifications:

dimensions W x H x D	297 x 535 x 340 mm
power connection	110-230 V/50 Hz
produktivität rate	up to 2,0 l/min (up to 1,5 l/min [*])
curb weight	16 - 20 kg
UV-lamp	185 nm / 254 nm
final filter	capsule 0,2 μm

* with LifeScience-model

device configurations:

configuration	UV-reactor	UF-module	TOC-monitoring
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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