

# OptiPrep<sup>2</sup> water treatment

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



## item number:



### Ultra Pure Water ASTM Type I Specification:

conductivity	0,055 µS/cm
resistance	18,2 MΩ x cm
total organic carbon (TOC)	< 10 ppb reagent < 5 ppb life science < 3 ppb analytical
pyrogens (endotoxins)	0,001 EU/ml
bacterial content	< 1 KbE/ml
particle content	less than 1/ml
RNAse	< 1 pg/ml
DNAse	< 5 pg/ml

### Feed Water Requirements:

type	RO-/DI-Water
conductivity	< 10 µS/cm
inlet pressure	1,5 - 6,0 bar
TOC value	< 50 ppb
temperature	5 - 25 °C

### fields of use:

- cleaning an 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 pure water quality

### integrated TOC monitoring:

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

### software:

- color-touchscreen for operation and monitoring of data and alarms
- storage of process data up to 1 year retrospectively

### integrated modules:

- activated carbon pre-filter, mixed bed resin-filter, scavenger-filter
- UV-Lamp, ultrafiltration module
- self-diagnostic module for reduced service times and costs
- maintenance tool

### space-saving installation possible:

- optional installation of the system under the table due to low height

### device specifications:

dimensions W x H x D	1250 x 850 x 250 mm
power connection	110-230 V/50 Hz
productivity rate	up to 8,0 l/min
curb weight	approx. 70 kg
ultrafiltration module	

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