

Aquinity² P35/70 water treatment

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



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:

- 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 and dispenser are installed on the wall (BI-version)

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

| | |
|-----------------------------|--|
| conductivity | 0,055 µS/cm + <1 µS/cm |
| resistance | 18,2 MΩ x cm + 0,5 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 | less than 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 |
| silt density index (SDI) | < 3 |
| pH-value | 3 - 9 |
| temperature | 5 to 25 °C |

device specifications:

| | |
|------------------------|--------------------------|
| dimensions W x H x D | 504 x 535 x 680 mm |
| power connection | 110-230 V/50 Hz |
| produktivity 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 | P |
| 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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