

Ultrapure water for the daily needs.

Easy and economical! TKA MicroLab.



**ASTM Type II water.
Instantly and fresh.**

TKA

**WATER
PURIFICATION
SYSTEMS**

TKA WATER SOLUTIONS
WWW.TKAWEB.DK
TEL: +45 46 46 47
INFO@TKA.DK

TKA MicroLab. All that you need.



■ **ASTM Type II Ultrapure water.**

For example, for

- Rinsing laboratory glassware
- Preparing and diluting buffers, reagents, tissue culture media and dyes
- Sample preparation for analytical methods such as flame AAS

■ **Instantly and fresh.**

With TKA MicroLab.

This is the password for converting normal tap water to ASTM Type II ultrapure water.

All in one! TKA MicroLab is a compact complete-system that produces 6 litres of ultrapure water per hour. The built-in 6 litre tank for ultrapure water has a conical bottom for complete emptying and is equipped with a sterile vent filter and a pressure pump for supplying equipment connected downstream (e.g. autoclaves, analyzers). If required, a flexible dispenser with a sterile filter can be connected to the tank. The system has a small footprint, is very attractively designed and looks good in any laboratory.

TKA MicroLab operates with the same high-tech purification procedures as the well known TKA Pacific systems.



Outstanding design!

TKA MicroLab – Not only the elegant exterior advances laboratories into the future!

AXEB LAB SOLUTIONS
WWW.AXEB.LAB
+45 43 62 46 47
INFO@AXEB.DK

TKA MicroLab.
Ultrapure water at the press of a button! Position it, connect it, use it!



Economical!

Two long-life cartridges. Each requires replacement only when really necessary!



One, two, three...

...rapid cartridge change due to quick-connects.



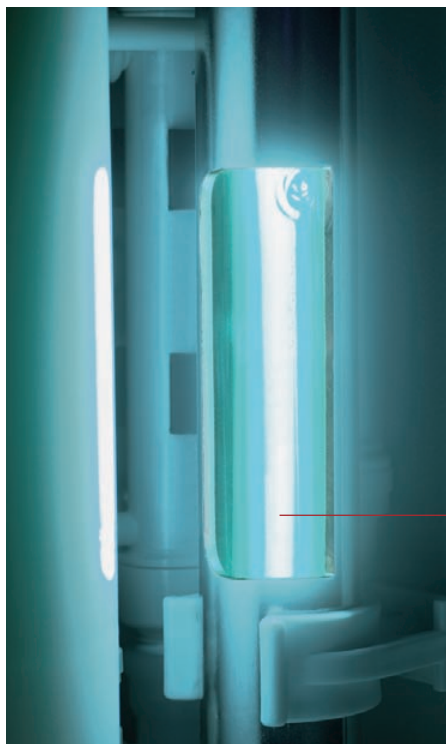
Space saving!

Simply stand it on the laboratory bench, or mount it directly to the wall.



Convenient!

Swivel-mounted display - always easy to read

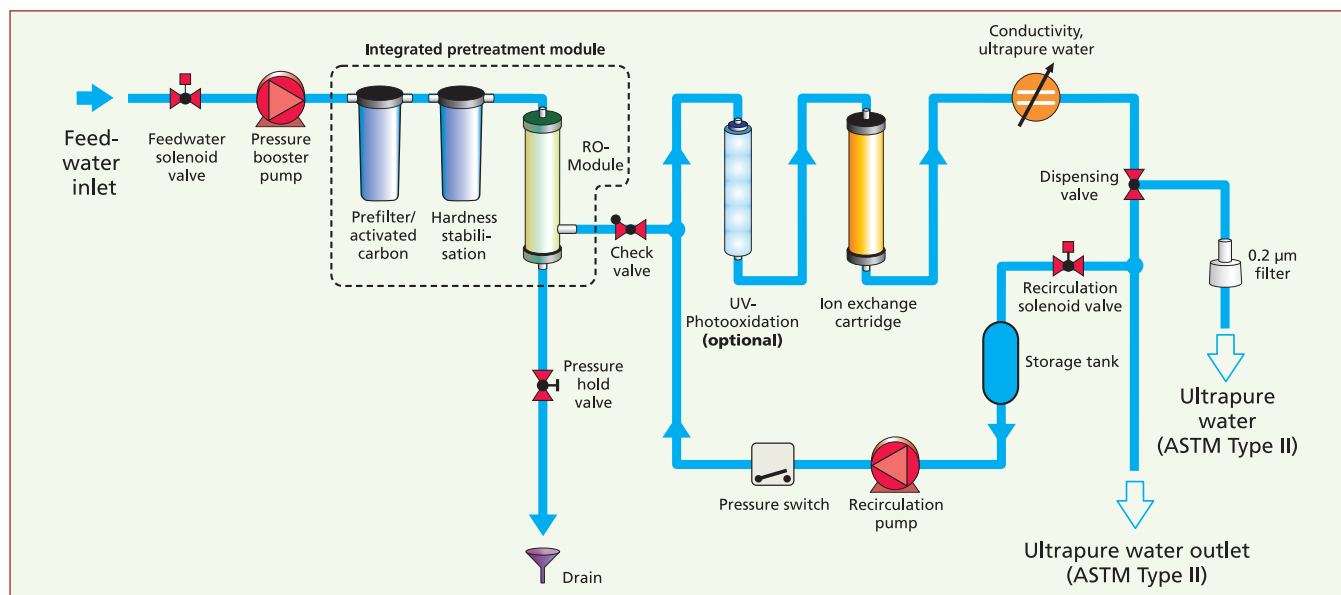


UV-lamp!

Option of a UV-lamp for micro-organism reduction.

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TKA MicroLab Flow chart.



The result: Ultrapure water of the required quality:

ASTM Type II

6 Litres per hour. Always freshly produced and ready to be taken at any time - either from the built-in 6 litre tank or via the separate dispensing valve with sterile filter.

Conductivity in $\mu\text{S}/\text{cm}$: 0.067 – 0.1

Resistance in $\text{M}\Omega \times \text{cm}$ at 25 °C: 15 – 10

Bacterial content in CFU/ml: < 1
Particle content: < 1

Permeate performance per hour: 6 litres

Flow rate per minute: 1.0 litre



Absolutely sterile!

Ultrapure water is dispensed through a standardly supplied sterile filter.

More ideas = more benefits

How TKA MicroLab differs from other compact-class systems:

Powerful performance!

- Permeate flow 6 l/h
- Flow from sterile filter outlet 1.0 l/min
- 6-Litre tank with integrated pressure and recirculation pumps

Lasting economy!

- Water purification progresses through separate modules, each with quick connects for simple individual replacement
- **Module 1**
Pretreatment module with integrated reverse osmosis membrane
- **Module 2**
Cartridge containing high-quality ultrapure resins with very long service intervals

Easiest to operate!

- Just press a button to get ultrapure water - no adjustments necessary, the microprocessor control controls itself
- Ultrapure water quality is ensured by the limiting value input
- RS 232 Interface
- The display can be tilted to your optimal reading position

Placement anywhere

- Stand it on the laboratory bench
- Mount it on the wall

Usable worldwide!

- Whether 220/230 V, 110/120 V or other voltages - and even with fluctuating voltages - the automatic voltage regulator continually supplies the system with a constant 24 volts

Almost maintenance-free!

- The tank is made of ultrapure water resistant, pigment-free and food-safe polyethylene and has a conical bottom outlet for complete emptying
- Can be easily cleaned and disinfected





■ Specifications

| | TKA MicroLab | TKA MicroLab UV |
|-------------------------------------|--------------------------------------|--------------------------------------|
| Permeate performance at 15 °C: | 6 l/h | 6 l/h |
| Flow rate: | 1.0 l/min | 1.0 l/min |
| Operating pressure in bar, min/max: | 1 – 6 bar | 1 – 6 bar |
| Conductivity: | 0.067 – 0.1 µS/cm | 0.067 – 0.1 µS/cm |
| Resistance at 25 °C: | 15 – 10 MΩ×cm | 15 – 10 MΩ×cm |
| TOC Value: | - | < 30 ppb |
| Bacterial content in CFU/ml: | < 1 | < 1 |
| Particle content: | < 1 | < 1 |
| Supply voltage: | Automatic voltage regulation to 24 V | Automatic voltage regulation to 24 V |
| Power consumption: | 0.06 kW | 0.06 kW |
| Connector size: | R 3/4" | R 3/4" |
| Dimensions, W x D x H in mm: | 305 x 400 x 545 | 305 x 400 x 545 |
| Weight: | 22 kg | 22 kg |
| Article no.: | 08.0060 | 08.0061* |

* with UV-lamp

Consumables and accessories

| | |
|--------------------------------------|----------------------------|
| Wall-mount | Article no. 09.2212 |
| Pretreatment module with RO-membrane | Article no. 09.2006 |
| Ultrapure water cartridge | Article no. 09.1018 |
| Sterile filter | Article no. 09.1003 |
| Vent filter for tank | Article no. 22.0091 |

Your TKA Representative:

TKA Wasseraufbereitungssysteme GmbH
 Stockland 3
 D-56412 Niederelbert
 Telephone: +49 (0) 26 02 / 10 69 9-0
 Telefax: +49 (0) 26 02 / 10 69 9-50
 eMail: info@tka.de
 www.tka.de

AXEBO SOLUTIONS
 WWW.AXEBO.COM
 +45 45 32 46 47
 INFO@AXEBO.DK