

Ultrapure Water System MicroPure, TKA Wasseraufbereitungssysteme

MicroPure ultrapure water system

The ultra-pure water system in micro-format especially for small needs in the laboratory. Modularly structured ultra-pure water system for high demands in the HPLC, IC, ICP, AAS as well as molecular and micro biology, PCR, IVF. The ultra-pure water quality exceeds the standards according to ASTM, CAP, ISO, NCCLS, etc. The large, backlit and pivoted display informs the user of all important parameters at all times. Limit values for the quality of ultra-pure and input water can be selected by the user. All processes for ensuring the water quality such as rinsing, recirculation or disinfection are controlled fully automatically.

Features:

- Flexible, compact laboratory system for mounting on the laboratory table, or for space-saving wall mounting with the optionally available holder
- Swiveling display-and-keyboard unit with background illumination
- Highly precise conductivity monitoring function with limit input for supervising the qualities of the ultra pure and input water
- Easily accessible service hood and quick-lock couplings for extra-fast change of filter kits

Accessories available for MicroPure:

- Optional integrated 6 l feedwater tank for flexible and mobile application in the laboratory

Technical data:

Conductivity in $\mu\text{S} \times \text{cm}$:	0.055
Resistance in $\text{M}\Omega \times \text{cm}$:	18.2
Removal performance in l/min:	up to 1.5
TOC-value in ppb (models with UV):	1 – 5
TOC-value in ppb (models with UV):	< 10
Endotoxin in EU/ml (models with UF):	< 0.001*
Bacteria content in KbE/ml:	< 1
Particle content per ml:	< 1
Connection voltage in V/Hz:	automatic voltage adjustment to 24 V
Dimensions in mm WxDxH:	305 × 300 × 545
Dimensions in mm WxDxH (models with tank):	305 × 400 × 545

*depending on feeder water and disinfection

Article	Typical application	Order No.
MicroPure	AAS, IC, ICP, standard buffer	10 86 61202
MicroPure UF	Micro and molecular biology, PCR, IVF	10 86 61203
MicroPure UV	Trace analysis, HPLC, ICP-MS, IC	10 86 61205
MicroPure UV/UF	Molecular biology, PCR, DNS, IVF Monoclonal antibodies, cell culture	10 86 61204

Optional with 6 l feed water tank (for filling with VE-water)

Article	Typical application	Order No.
MicroPure-ST	AAS, IC, ICP, standard buffer	10 86 61212
MicroPure UF-ST	Micro and molecular biology, PCR, IVF	10 86 61213
MicroPure UV-ST	Trace analysis, HPLC, ICP-MS, IC	10 86 61215
MicroPure UV/UF-ST	Molecular biology, PCR, DNS, IVF Monoclonal antibodies, cell culture	10 86 61214

Accessories

Article	Order No.
Ultrapure cartridge for MicroPure	10 86 61006
Sterile filter 0.2 μm	93 86 91003
Replacement UV-lamp	10 86 61002
Disinfection cartridge for MicroPure	10 86 61102
Disinfectant VE 12 pcs.	10 86 62202
Wall holder	10 86 62212

