ULTRA CLEAR® TP
ULTRA PURE WATER SYSTEM

One system – two choices how to use the ultrapure water

The Ultra Clear® TP systems have a fixed water dispenser and an optional flexible dispenser to bring the water to your work. The systems provide you the best solution for all water quality demands and applications in your laboratory.

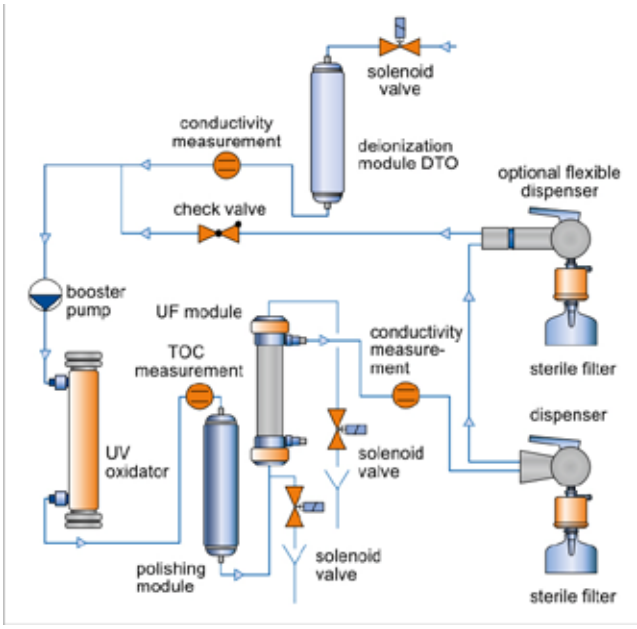
Each system is equipped with economical state-of-the-art purification technology. Water quality with a resistivity of 18.2 MΩ-cm and a TOC level between 1-3 ppb far exceeds all reagent water quality standards including ASTM Type I, CLSI and ISO 3696 Type I. All systems that include ultrafiltration (UF) produce the highest possible water quality. These units deliver RNase-, DNase and DNA-free water. Systems with UF are also capable of producing purified water with endotoxin levels of < 0.001 EU/ml. The flow rate of ultrapure water is up to 2 l/min. The high resolution display indicates the water conductivity in µS/cm or resistivity in MΩ-cm with the corresponding water temperature. Consumable change is very simple and fast due to quick and easy access to the replacement parts. A single UV bulb is used for the oxidation of organic compounds and TOC measurement.

Benefits

- New designed 7" multi-color glass graphic display of all main functions for fast and easy operation, with a generous overview, simple and intuitive menu navigation
- SD cards and USB connection for data transfer
- Scope of supply includes consumables
- High capacity of consumables
- Made in Germany

Typical Applications Ultra Clear TP UV TM and TP UV UF TM

- HPLC, IC, GC and GC/MS, TOC analysis, ICP and ICP/MS, DNA sequencing, RNase- and Dnase free, DNA free, PCR, IVF, 2-D-electrophoresis, critical cell and tissue cultures, pyrogen sensitive applications



The use of a single UV lamp results in much lower annual running cost compared to the competition.
The energy saving operation mode enables the user to program the running cycles according to the real needs.
A built-in automatic self-cleaning / sanitization mode extends the life of the ultrafiltration module.
All Ultra Clear TP systems are delivered with the first set of all cartridges and filters.

DNASE AND RNASE BY MICROMED LABORATORIES, USA.

The water was free of any detectable RNase or DNase.

The detection limit for the RNase assay is equivalent to about 0.5 pg/ml RNase A, for DNase 10 µp/ml DNase 1.

SPECIFICATIONS

Ultrapure water specifications		**Ultra Clear TP UV TM**	**Ultra Clear TP UV UF TM**
Delivery flow rate	l/min	2	2
Conductivity	µS/cm	0.055	0.055
Resistivity	MΩ-cm	18.2	18.2
TOC	ppb	< 1 - 3	< 1 - 3
DNase, RNase, DNA		-	free
Bacteria	cfu/ml	< 0.1	< 0.1
Endotoxins	EU/ml	-	< 0.001
Particles > 0.2 µm	per ml	< 1	< 1
Feed water specifications			
Feed water pressure	bar	0.1 - 5	0.1 - 5
Conductivity	µS/cm	< 20	< 20
CO_2	mg/l	15*	15*
TOC	ppb	< 50	< 50
Temperature	°C	5 - 35	5 - 35
Power supply	V/Hz	100 - 240 / 50 - 60	100 - 240 / 50 - 60
Dimensions (H x W x D)	mm	530 x 340 x 320	530 x 340 x 320
Shipping weight	kg	44	44
Item code		W3T360165	W3T360166

* with the help of a pre-filter kit

1. STERILE FILTER 2. OPTIONAL FLEXIBLE DISPENSER

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