

ULTRA CLEAR™ SYSTEMS

SPECIAL BLACK GLASS PANEL EDITION

OUTSTANDING PERFORMANCE

The Ultra Clear™ bench top/wall mounting systems are designed for maximizing space saving installations. Each system is equipped with economical state-of-the-art purification technology.

Typical applications:

Ultra Clear™: AAS, routine analysis, standard buffer, GC

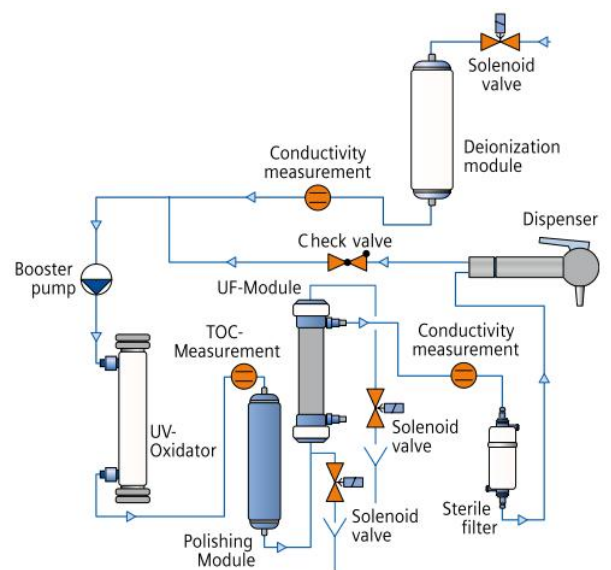
Ultra Clear™: UV: HPLC, IC, GC and GC/MS, TOC analysis, ICP and ICP/MS

Ultra Clear™: UV UF: DNA sequencing, RNase- and DNase-free applications, IVF, and more.

Each system include:

- Deionization module
- Conductivity meter to measure pretreated water quality
- Polishing module
- Conductivity meter to measure polished water quality
- 0.1-µm sterile filter in the circulation loop

This special edition is equipped with a control panel made of hardened glass with LED lit capacitive sensors.



Water quality with a resistivity of 18.2 MΩcm and a TOC level < 1 ppb far exceeds all reagent water quality standards including: ASTM Type 1, CLSI and ISO 3696 Type 1. All systems that include UV oxidation, TOC monitoring and ultrafiltration produce the highest possible water quality. These units deliver RNase-, DNase- and DNA-free water.

Systems are also capable of producing purified water with endotoxin levels of < 0.001 EU/mL. The dispense 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 MΩcm with the corresponding water temperature.

Cartridge changes are 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.

The energy saving operation mode enables the user to program the running cycles according to the real needs. The use of a single UV lamp results in much lower annual running cost compared to the competition. A flexible remote dispenser enables the user to dispense water where it is needed.

A built-in automatic self-cleaning/sanitization mechanism extends the life of the ultrafiltration module. Pure water dispensing is made easy by simply activating the valve lever. A continuous flow of pure water is achieved by simply placing the draw-off lever in an upright position.

Our new systems are available with special features such as volume control dispensing, a 24-hour-circulation mode and integrated RS 232 interface for data recording. Ultra Clear™ systems are delivered with the first set of all cartridges and filters.

Specifications:

Ultrapure water specifications	Unit	Ultra Clear™ UV UF	Ultra Clear™ UV UF TM
Output up to	L/min		2
Conductivity at 25° C	μS/cm		0.055
Resistivity at 25° C	MΩcm		18.2
TOC	ppb		< 1 ... 3
DNase, RNase, DNA			free
Bacteria	cfu/mL		< 1
Endotoxins	EU/mL		< 0.001
Particles > 0.1 μm	per mL		< 0.1

Feed water specifications	Unit	Ultra Clear™ UV UF	Ultra Clear™ UV UF TM
Pressure	bar		0.1 ... 5.0
Conductivity	μS/cm		< 20
CO ₂ max.	mg/L		15
TOC	ppb		< 50
Temperature	°C		5 ... 35
Shipping weight	kg		26
Power supply	V; Hz		100 ... 240; 50 or 60
Dimension: H/W/D	mm		530/340/320
Catalog number		W3T343872	W3T343875

Consumables:

Catalog number	Description	Change frequency
W3T197618	Deionization Module VMD	6 – 12 months
W3T197621	Pretreatment Module DTO	6 – 12 months
W3T197694	Polishing Module MFIID	6 – 12 months
W3T199853	Polishing Module ILT	6 – 12 months
W2T526542	Sterile filter 0.1 μm	6 months
W3T199768	Disinfection kit (pack of 3)	-
W2T558521	UV replacement bulb	12 months
W3T197614	Ultrafiltration module	18 – 36 months

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