

# LABORATORY ULTRAPURE WATER SYSTEM

Fully integrated pure and ultrapure intelligent water system. Superior quality of ultrapure and pure water is achieved directly from a tap water source. Available in 2 configurations – deionization or EDI.

## Pre-Clean Pack

High efficiency removal of colloids, particles, free chlorine and minerals for improved system performance.

## EDI Module Or DI Pack

Removes remaining ions for consistently superior quality pure water. EDI system requires no maintenance, ensuring low and predictable costs.

## Advanced Reverse Osmosis (RO)

Removes 97-99% contaminants including ions, particles, bacteria and organic molecules, reduces feed water consumpt for 60%.

## Prior to Water Production

Automatic rinsing of the RO membrane and the EDI module ensures that only the highest quality pure water enters the tank.

Attached G1 ultrapure water dispenser -- delivers consistently ion free and low TOC ultrapure water.

Attached G2 pure water dispenser – delivers guaranteed quality Grade II pure water.

Within the tank, pure water quality is preserved by two built in features:

- Vent filter - provides protection against airborne contaminants
- Automatic Sanitization Module – with an integrated UVC regularly irradiates stored water and tank walls, preventing bacterial growth and biofilm formation.

Automatic recirculation of stored water through bactericidal UV lamp preserves water quality in the tank and ensures that high quality Grade II water is always on hand ready to use.

Ultra Pack Polishing Cartridge – removes ions and organic contaminants down to trace level.

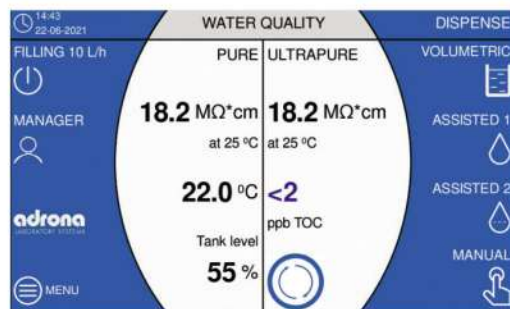
Oxidation UV lamp – emitting 185 nm, photo-oxidises organic contaminants.

**NEW  
PRODUCT**



## Water Quality Specification Provided By GRADUS

	LT	Bio	LT EDI	Bio EDI
Grade I water resistivity at 25°C	18.2 MΩ x cm	18.2 MΩ x cm	18.2 MΩ x cm	18.2 MΩ x cm
Grade I water conductivity at 25°C	0.055 μS/ cm	0.055 μS/ cm	0.055 μS/ cm	0.055 μS/ cm
Grade II water conductivity at 25°C	≤ 0.1 μS/ cm			
Total Organic Carbon (TOC) level	< 3 ppb	< 3 ppb	< 3 ppb	< 3 ppb
RNase	-	< 0.01 ng/mL	-	< 0.01 ng/mL
DNase	-	< 4 pg/μL	-	< 4 pg/μL
Bacteria	< 0.01 CFI/mL	< 0.01 CFI/mL	< 0.01 CFI/mL	< 0.01 CFI/mL
Endotoxins	< 0.15 EU/mL	< 0.001 EU/mL	< 0.15 EU/mL	< 0.001 EU/mL
Particles >0.22 μm	< 1/mL	< 0.05/mL	< 1/mL	< 0.05/mL
Nominal flow, EDI water (to storage tank)	5/10 L/h	5/10 L/h	5/10 L/h	5/10 L/h
Dispense rate, ultrapure water	up to 2.0 L/min	up to 2.0 L/min	up to 2.0 L/min	up to 2.0 L/min



## Large Touchscreen

- Simplified and detailed information in multiple languages
- Alerts and alarms are visible on the main screen with complete information on actions required
- Monitoring the operation of the system.

## Convenient

- Installation process gives quick access to laboratory water
- Easy menu navigation in multiple languages
- Easy access to change consumables