

## E30 water purification systems

Adrona water purification systems provide ultrapure water for laboratory needs. Quality of water meets requirements for Grade I water of ISO 3696 standard and corresponding ASTM and CLSI standards.

### Benefits of Adrona water purification systems:

- Premium quality water
- Reliable operation
- Low running costs
- Easy installation and maintenance
- Convenient user interface

### E30 series:

- Color graphic display
- Easily readable indication of water quality
- TOC monitor
- Volumetric dispense
- Status indication with intuitive color pattern
- E30 systems produce purified water directly from tap water



**Applications:**

Application	E30 Trace	E30 HPLC	E30 BIO	E30 BIO UF
Reagent preparation	•	•	•	•
Flame AAS	•	•	•	•
Autoclaves	•	•	•	•
Plasma mass-spectrometry (ICPMS)	•	•	•	•
Plasma spectrophotometry (ICPOES)	•	•	•	•
Ion chromatography	•	•	•	•
Liquid chromatography (HPLC)		•	•	•
Gas chromatography		•	•	•
Total organic carbon measurements (TOC)		•	•	•
Flow cytometry			•	•
Cell and tissue culture			•	•
Molecular biology			•	•

Technical parameters:

Parameters	E30 Trace	E30 HPLC	E30 BIO	E30 BIO UF
Grade 1 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 1 water conductivity at 25 °C	0.055 μS/cm	0.055 μS/cm	0.055 μS/cm	0.055 μS/cm
Grade 2 water resistivity at 25 °C	>10 MΩ x cm	>10 MΩ x cm	>10 MΩ x cm	>10 MΩ x cm
Grade 2 water conductivity at 25 °C	<0.1 μS/cm	<0.1 μS/cm	<0.1 μS/cm	<0.1 μS/cm
Total Organic Carbon (TOC) level	<10 ppb	<2 ppb	<2 ppb	<2 ppb
Rnase	–	–	<0.01 ng/mL	<0.01 ng/mL
Dnase	–	–	<4 pg/μL	<4 pg/μL
Bacteria	<0.01 CFU/mL	<0.01 CFU/mL	<0.01 CFU/mL	<0.01 CFU/mL
Endotoxins	<0.15 EU /mL	<0.15 EU /mL	<0.001 EU /mL	<0.001 EU /mL
Particles >0.22 μm	<1/mL	<1/mL	<0.05/mL	<0.05/mL
Nominal flow, pure water (to storage tank)	10 L/h	10 L/h	10 L/h	10 L/h
Dispense rate, ultrapure water	<2 L/min	<2 L/min	<2 L/min	<2 L/min
Deionization module life	1 m <sup>3</sup>	1 m <sup>3</sup>	1 m <sup>3</sup>	1 m <sup>3</sup>
Feed water pressure	0.4 – 6 bar	0.4 – 6 bar	0.4 – 6 bar	0.4 – 6 bar
Data interface	RS 232	RS 232	RS 232	RS 232
Dimensions (WxDxH), cm	40x35x55	40x35x55	40x35x55	40x35x55
Weight, kg	17	18	19	19
Feed water conductivity	<1500 μ/cm	<1500 μ/cm	<1500 μ/cm	<1500 μ/cm