

Integrity+ 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

Integrity+ series:

- Color graphic display
- Easily readable indication of water quality
- TOC monitor
- Volumetric dispense
- Status indication with intuitive color pattern
- Validation possibility
- In-line ultrafilter configuration (Bio UF) available
- Integrity+ systems produce purified water directly from tap water
- Systems for laboratories with consumption of ultrapure water of 5 liters per day
- Integrated 5 L storage tank



Applications:

Application	Integrity+ Trace	Integrity+ HPLC	Integrity+ BIO	Integrity+ 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	Integrity+ Trace	Integrity+ HPLC	Integrity+ BIO	Integrity+ 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
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)	4 L/h	4 L/h	4 L/h	4 L/h
Dispense rate, ultrapure water	<2 L/min	<2 L/min	<2 L/min	<2 L/min
Feed water pressure	2 – 6 bar	2 – 6 bar	2 – 6 bar	2 – 6 bar
Data interface	RS 232	RS 232	RS 232	RS 232
Dimensions (WxDxH), cm	32x56x62	32x56x62	32x56x62	32x56x62
Weight, kg	24	25	26	26
Built-in water tank	5 L	5 L	5 L	5 L