

Onsite+ 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

Onsite+ series:

- Color graphic display
- Easily readable indication of water quality
- TOC monitor
- Volumetric dispense
- Status indication with intuitive color pattern
- Validation possibility
- Systems for laboratories with consumption of ultrapure water of 5-10 liters per day
- Onsite+ systems should be manually filled with pre-treated water
- Integrated 5 L storage tank



Applications:

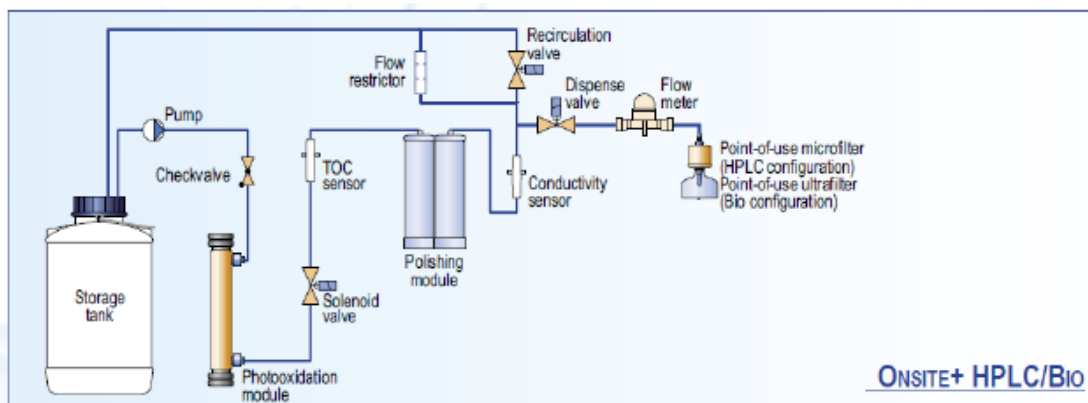
| Application | Onsite+ Trace | Onsite+ HPLC | Onsite+ BIO | Onsite+ BIO UF |
|---|---------------|--------------|-------------|----------------|
| Reagent preparation | • | • | • | • |
| Flame AAS | • | • | • | • |
| Autoclaves | • | • | • | • |
| Plasma mass-spectrometry (ICPMS) | • | • | • | • |
| 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 | Onsite+ Trace | Onsite+ HPLC | Onsite+ BIO | Onsite+ BIO UF |
|----------------------------------|------------------|------------------|------------------|------------------|
| Grade 1 water resistivity | 18.2 MΩ x cm | 18.2 MΩ x cm | 18.2 MΩ x cm | 18.2 MΩ x cm |
| Grade 1 water conductivity | 0.055 μ/cm | 0.055 μ/cm | 0.055 μ/cm | 0.055 μ/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 |
| Dispense rate, ultrapure water | <2 L/min | <2 L/min | <2 L/min | <2 L/min |
| Polishing module life | 1 m ³ | 1 m ³ | 1 m ³ | 1 m ³ |
| Data interface | RS 232 | RS 232 | RS 232 | RS 232 |
| Dimensions (WxDxH), cm | 30x44x64 | 30x44x64 | 30x44x64 | 30x44x64 |
| Weight, kg | 16 | 17 | 17 | 17 |
| Feed water conductivity | <100 μ/cm | <100 μ/cm | <100 μ/cm | <100 μ/cm |

CONSUMABLES

| Part number | Description | Replacement criteria | Comments |
|-------------|-------------------------------|---|-----------------------------|
| 10030 | Polishing module "Polishing+" | When indicated on the display or water conductivity is constantly $> 0.1 \mu\text{S/cm}$ during recirculation | |
| 10018 | UV photooxidation bulb | 2 years on average | Only for „Bio“ and „HPLC“ |
| 10012 | Point-of-use microfilter | Every 6–12 months | Only for „Trace“ and „HPLC“ |
| 10120 | Point-of-use ultrafilter | Every 3–6 months | Only for „Bio“ |



Water dispensing unit Flow Point 3

Water dispensing unit provides more convenient use of Adrona systems.

One water purification system can be equipped with 2 water dispensing units.

Main product properties:

- Adjustable in all dimensions
- Manual and/or volumetric dispensing with teaching mode
- Colour graphic LCD display
- Full remote control for water purification system
- Compatible with Q-Front, B30, Onsite+, Integrity+ and Connect systems

