



B300 & B310

Both systems feature completely redesigned electronics and software, delivering a host of new capabilities to enhance user experience and system efficiency:

- Large, vibrant color touch screen
- Comprehensive data logging
- Clear warning and alarm notifications
- Flexible flow control options
- Support for multiple remote dispensers
- Ethernet and USB connectivity
- Detailed dispense report generation
- Enhanced accuracy for conductivity and TOC measurements
- Additionally, the integrated RO water recirculation system reduces tap water consumption, promoting sustainability and cost savings.

Building on the proven success of Adrona's B30 model, the B300 system incorporates the latest generation electronics and a user-friendly touch-screen interface for seamless operation. Designed for tap water feed, the B300 delivers ultrapure (Grade 1) water conveniently through the front dispense port, while simultaneously providing pure (Grade 2) water directly from the external tank or via the optional Remote Dispenser (see Accessories section).

The B310 model offers a unique advantage by producing not only Grade 1 and Grade 2 water but also cost-effective reverse osmosis (RO) water for general laboratory needs such as glassware washing, autoclaves, and rinsing of lab materials. Additionally, a pressurized tank can be added for convenient RO water storage.

Ordering information

Model	Part number
B300 Trace	CB-3301
B300 HPLC	CB-3303
B300 Bio	CB-3305
B310 HPLC	CB-3503
B310 Bio	CB-3505

Consumables

Part number	Description	Replacement criteria	Comments
10319	Pre-filter set	If the filters are clogged or every 6 months	
10311	Deionization Q w/ quick connectors	Grade 2 water conductivity is >0.5 µm/cm constantly or every 12 months	
10031	Polishing Q w/ quick connectors	Grade 1 water conductivity is > 0.1 µm/cm constantly or every 12 months	Depends on water consumption amount
10033	Polishing QC w/ quick connectors	Grade 1 water conductivity is > 0.1 µm/cm constantly or every 12 months	Depends on water consumption amount
10037	Polishing QH w/ quick connectors	Grade 1 water conductivity is > 0.1 µm/cm constantly or every 12 months	Depends on water consumption amount
10017	Sterilization UV bulb	On average – every 12 months	"Bio" configuration
10018	Photooxidation UV bulb	On average – every 12 months	"HPLC" and "Bio" configuration
10013	Replacement 0.22 µm dispense filter	Every 6–12 months	"Trace" and "HPLC" configuration
10120	Replacement ultrafilter	Every 3–6 months	"Bio" configuration

Specifications B300

	Trace	HPLC	Bio
Grade 1 water resistivity at 25 °C	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
Grade 2 water conductivity at 25 °C	<0.1 μS/cm	<0.1 μS/cm	<0.1 μS/cm
TOC	< 10 ppb	<5 ppb*	<5 ppb*
RNase	-	-	< 1 pg/mL
DNase	-	-	< 5 pg/mL
Bacteria	<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
Particles >0.22 μm	<1/ per mL	<1/ per mL	<0.05/ per mL
Nominal flow to storage tank		10 L/h**	
Volumetric dispense		0.01 L to 100 L***	
Dispense rate, ultrapure water	1.5 - 2 L/min	1.5 - 2 L/min	1.5 - 2 L/min
Dimensions (WxDxH), cm	32x56x58	32x56x58	32x56x58
System weight, kg	27	28	29
Operation weight, kg	30	31	32

* In appropriate operating conditions <2 ppb, otherwise normally <5 ppb.

** Upgradeable to 15 L/h. Please enquire.

*** Depends on the tank volume.

Specifications B310

	HPLC	Bio
Grade 1 water resistivity at 25 °C	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
Grade 2 water conductivity at 25 °C	<0.1 μS/cm	<0.1 μS/cm
TDS rejection rate	≥97%	≥97%
TOC	<5 ppb*	<5 ppb*
RNase	-	< 1 pg/mL
DNase	-	< 5 pg/mL
Bacteria	<0.01 CFU/mL	<0.01 CFU/mL
Endotoxins	<0.15 EU/mL	< 0.001 EU/mL
Particles >0.22 μm	<1/ per mL	<0.05/ per mL
Nominal flow to storage tank		10 L/h**
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Flow diagrams

