

DATA SHEET

Integrated ultrapure (Grade 1) water, pure (Grade 2) and RO water system **B310**

Parameters	HPLC	Bio
Catalogue No.	CB-3503	CB-3505
Package incl. storage tank	CB-3503-P	CB-3505-P
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	-	<0.01 ng/mL
Dnase	-	<4 pg/μL
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	10 L/h	10 L/h
Dispense rate, ultrapure water	1.5 - 2 L/min	1.5 - 2 L/min
Volumetric dispense	0.01 - 100 L**	0.01 - 100 L**
Display	7" touchscreen	7" touchscreen
Dispenser	Dispense port	Dispense port
TOC monitor	+	+
Temperature range	15–30 °C	15–30 °C
Relative humidity	20–80%	20–80%
Mains voltage	100–240 VAC	100–240 VAC
Power	130 W	130 W
Fuse	230 V, 3.15 A	230 V, 3.15 A
Width*Depth*Height	32*56*58 cm	32*56*58 cm
System weight	28 kg	29 kg
Operating weight	31 kg	32 kg
Tank	Required, not included	

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

**Depends on the tank volume.

Feedwater properties

Type of feedwater	Potable tap water
Feedwater pressure	0.4–6.0 bar
Feedwater conductivity	<2000 μS/cm
TOC	<2000 ppb
Temperature	5–35°C
pH	4–10
Fouling Index	<5
Iron	<0.1 ppm as CaCO ₃
Aluminium	<0.05 ppm as CaCO ₃
Manganese	<0.05 ppm as CaCO ₃
Total chlorine	<1 ppm
Langelier Saturation Index	<+0.2

