

DATA SHEET

Integrated ultrapure (Grade 1) water and pure (Grade 2) water system **Compact**

Parameters	Trace	HPLC	Bio
Catalogue No.	CT-1001	CT-1101	CT-1201
Package incl. storage tank	CT-1001-P	CT-1101-P	CT-1201-P
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 resistivity at 25 °C	>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
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/ mL	<1/ mL	<1/ mL
Nominal flow, pure water (to storage tank)	10 L/h	10 L/h	10 L/h
Dispense rate, ultrapure water	Up to 1.5 L/min	Up to 1.5 L/min	Up to 1.5 L/min
Display	Monochrome LCD	Monochrome LCD	Monochrome LCD
Dispenser, Grade 1 water	+	+	+
TOC monitor	-	-	-
Temperature range	15–30 °C	15–30 °C	15–30 °C
Relative humidity	20–80%	20–80%	20–80%
Rated voltage	24 VAC	24 VAC	24 VAC
Rated current	2.7 A	2.7 A	2.7 A
Power consumption (max.)	65 W	65 W	65 W
Width*Depth*Height	26*36*45 cm	26*36*45 cm	26*36*45 cm
Width*Depth*Height (w/ Dispenser)	33*36*57 cm	33*36*57 cm	33*36*57 cm
System weight	17 kg	17 kg	17 kg
Operating weight	19 kg	19 kg	19 kg
Tank	20 L tank w/tap		

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

Feedwater properties

Type of feedwater	Tap water
Feedwater pressure	0.4–4.0 bar
Feedwater conductivity	<1500 μS/cm
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
TOC	<2000 ppb