

# CONNECT

Connect is a polishing water purification system, for which the feed water must be pre-treated by reverse osmosis or distillation.

The unit can be connected to a centralized, pressurized pre-treatment water system or to an external atmospheric tank where pre-treated water is stored.



## Ordering information

Model	Part number
Connect Trace	CB-1701
Connect HPLC	CB-1703
Connect Bio	CB-1705

## Description Connect series

	Trace	HPLC	Bio
Water type	ultrapure water (Grade 1)	ultrapure water (Grade 1)	ultrapure water (Grade 1)
Application	<ul style="list-style-type: none"> <li>atomic absorption spectrometry</li> <li>plasma optical emission spectrometry</li> <li>other inorganic trace analysis</li> </ul>	<ul style="list-style-type: none"> <li>chromatography</li> <li>mass spectrometry</li> <li>microbiology</li> <li>molecular biology</li> </ul>	highly sensitive biology applications
Display	colour graphic LCD display		
Conductivity sensor	•	•	•
TOC Monitor	-	•	•
Volumetric dispensing	•	•	•
Connection to Flow point	•	•	•
Storage tank	Not included		
Installation	installable either on a laboratory bench or on a wall		

## Consumables

Part number	Description	Replacement criteria	CommLents
10030	Polishing module "Polishing+"	Grade 1 water conductivity is >0.1 µm/cm constantly or every 12 months	
10018	UV photooxidation bulb	2 years on average	Only for „Bio“ and „HPLC“
10013	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“

## Specifications

	Trace	HPLC	Bio
Ultrapure water resistivity at 25 °C	18.2 MΩ x cm	18.2 MΩ x cm	18.2 MΩ x cm
Ultrapure water conductivity at 25 °C	0.055 μS/cm	0.055 μS/cm	0.055 μS/cm
Total Organic Carbon (TOC) level	<10 ppb	<5 ppb*	<5 ppb*
RNase	-	-	<0.01 ng/mL
DNase	-	-	<4 pg/μL
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	<0.05/mL
Dimensions (WxDxH), cm	30x44x64	30x44x64	30x44x64
System weight, kg	16	17	17
Operation weight, kg	19	20	20
Feed water conductivity	< 100 μS/cm	< 100 μS/cm	< 100 μS/cm

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

## Flow diagrams

