ONSITE+ AND CONNECT SERIES





Onsite+ and Connect are hi-end polishing water purification systems. The feed water must be pre-treated by reverse osmosis or distillation. Systems are recommended for laboratories with average daily consumption of water within 5-10 litres.

Onsite+ series systems contain an embedded tank that has to be filled with pre-treated water before operation. Pre-treated water can be obtained by distillation or reverse osmosis. For user convenience the Onsite+ system comes with additional 5L carboy. The carboy has a stopcock and handle for easy transportation of water from water still to the Onsite+ unit.

Connect series systems should be connected to a water pre-treatment unit or a distilled water distribution system in a lab. The pre-treatment system should maintain water pressure of no less than 1 bar.

Ordering information

Model	Part number
Onsite+ Trace	CB-1901
Onsite+ HPLC	CB-1903
Onsite+ Bio	CB-1905
Onsite+ Bio UF	CB-1915
Connect Trace	CB-1701
Connect HPLC	CB-1703
Connect Bio	CB-1705
Connect Bio UF	CB-1715
Water quality sensor validation kit	410913

Description Onsite+ series

	Trace	HPLC	Bio	Bio UF
Water type	ultrapure water (Grade 1)	ultrapure water (Grade 1)	ultrapure water (Grade 1)	
Application	• atomic absorption spectrometry • plasma optical emission spectrometry • other inorganic trace analysis	• chromatography • mass spectrometry • microbiology • molecular biology	highly sensitive biology applications	
Display	colour graphic LCD display			
Conductivity sensor	•	•	•	•
TOC Monitor	-	•	•	•
Measurement validation port	•	•	•	•
Volumetric dispensing	•	•	•	•
Connection to Flow point*	•	•	•	•
In-line ultrafilter	-	-	-	•
Storage tank	includes portable 5 L tank			
Installation	installable either on a laboratory bench or on a wall			

** Dispenser-ready configuration required*

Description Connect series

	Trace	HPLC	Bio	Bio UF
Water type	ultrapure water (Grade 1)	ultrapure water (Grade 1)	ultrapure water (Grade 1)	
Application	• atomic absorption spectrometry • plasma optical emission spectrometry • other inorganic trace analysis	• chromatography • mass spectrometry • microbiology • molecular biology	highly sensitive biology applications	
Display	colour graphic LCD display			
Conductivity sensor	•	•	•	•
TOC Monitor	option	•	•	•
Measurement validation port	•	•	•	•
Volumetric dispensing	•	•	•	•
Connection to Flow point*	•	•	•	•
In-line ultrafilter	-	-	-	•
Storage tank	Not included			
Installation	installable either on a laboratory bench or on a wall			

** Dispenser-ready configuration required*

Specifications

	Onsite+/Connect system configuration			
	Trace	HPLC	Bio	Bio UF
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	<1/mL	
Polishing module life**	1 m^3	1 m^3	1 m^3	
Dimensions (WxDxH), cm	30x44x64	30x44x64	30x44x64	
System weight, kg	16	17	17	
Operation weight, kg	21	22	22	
Feed water conductivity	< 100 µS/cm	< 100 µS/cm	< 100 µS/cm	

** In appropriate operating conditions <2 ppb, otherwise normally <5 ppb*
*** Polishing module life depends on feed water quality*

Consumables

Part number	Description	Replacement criteria	Comments
10030	Polishing module “Polishing+”	When indicated on the display or water conductivity is constantly > 0.1 µS/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”
11200	In-line ultrafilter	Every 6–12months	Only for “Bio UF”