ONSITE+

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

System contains an embedded tank that has to be filled with pre-treated water before operation.

Onsite+ series systems are recommended for laboratories with average daily consumption of water within 5–10 litres.

Ordering information

Model	Part number
Onsite+ Trace	CB-1901
Onsite+ HPLC	CB-1903
Onsite+ Bio	CB-1905

Description Onsite+ series

	Trace	HPLC	Bio
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	-	•	•
Volumetric dispensing	•	•	•
Connection to Flow point	•	•	•
Storage tank	integrated tank 5 L for pre-treated water		
Installation	installable either on a laboratory bench or on a wall		

Consumables

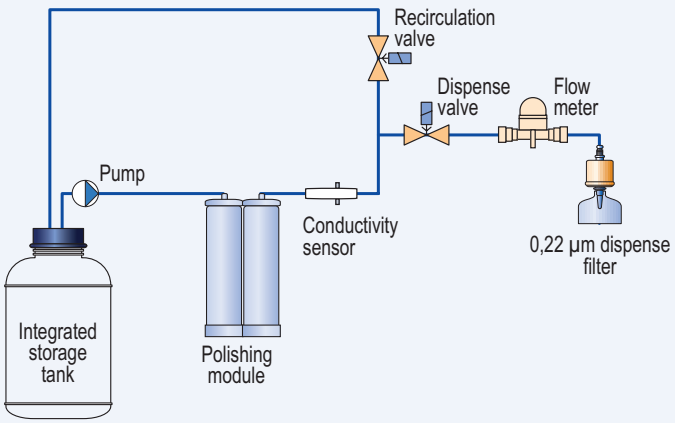
Part number	Description	Replacement criteria	Comments
10030	Polishing module "Polishing+"	Grade 1 water conductivity is >0.1 µm/cm constantly or every 12 months	
10018	UV photooxidation bulb	2 years on average	Only for „Bio" and „HPLC"
10013	Point-of-use microfilter	Every 6–12 months	Only for „Trace" and „HPLC"
10120	Point-of-use ultrafilter	Every 3–6 months	Only for „Bio"

Specifications

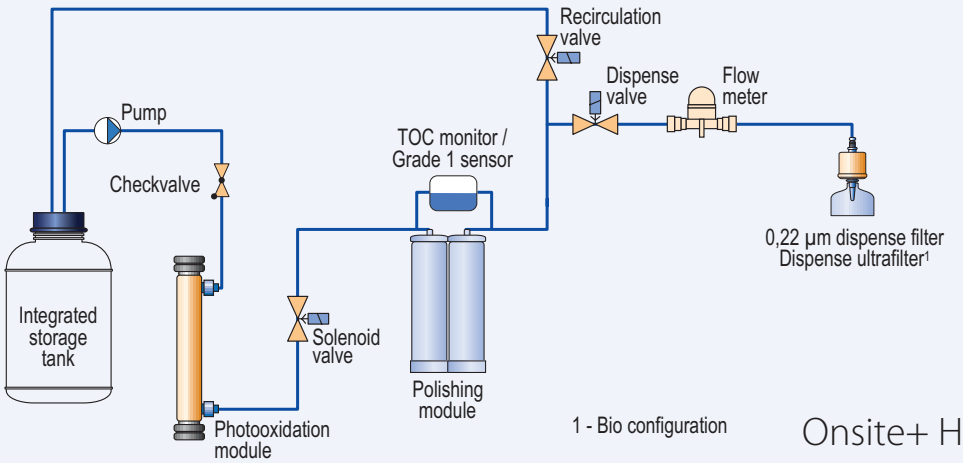
	Trace	HPLC	Bio
Ultrapure water resistivity at 25 °C	18.2 MΩ x cm	18.2 MΩ x cm	18.2 MΩ x cm
Ultrapure water conductivity at 25 °C	0.055 µS/cm	0.055 µS/cm	0.055 µS/cm
Total Organic Carbon (TOC) level	<10 ppb	<5 ppb*	<5 ppb*
RNase	-	-	<0.01 ng/mL
DNase	-	-	<4 pg/µL
Bacteria	<0.01 CFU/mL	<0.01 CFU/mL	<0.01 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	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.

Flow diagrams



Onsite+ Trace



1 - Bio configuration

Onsite+ HPLC/Bio