

# INTEGRITY+

## 2. Tikslas

The Integrity+ series water purification systems produce ultrapure water for laboratory needs directly from tap water.

The system is most suitable for relatively low ultrapure water consumption up to 15-20 L per day. The Integrity+ series systems have a built-in 5 litre tank to keep the system compact.



## Description

	Integrity+ Trace	Integrity+ HPLC	Integrity+ 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	10. Ekranas		colour graphic LCD display
Conductivity sensor	•	•	•
TOC Monitor	9. Ultrašvaraus vandens volumetrinis dozavimas		•
Volumetric dispensing	•	•	•
Storage tank	integrated tank 5L		
Installation	installable either on a laboratory bench or on a wall		

## 13. Sistemos konstrukcija

## Specifications

## 4. Itin gryno vandens varža

## Ordering information

Model	Part number
Integrity+ Trace	CB-2101
Integrity+ HPLC	CB-2103
Integrity+ Bio	CB-2105

	Integrity+ system configuration		
	Trace	HPLC	Bio
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 conductivity at 25 °C	0.1 μS/cm	0.1 μS/cm	0.1 μS/cm
Total Organic Carbon (TOC) level	<10 ppb	<5 ppb*	<5 ppb*
RNase	6. TOC lygis		
DNase	-	-	<4 pg/μL
Bacteria	5. Bakterijos	<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	32x56x62	32x56x62	32x56x62
System weight, kg	24	25	26
Operation weight, kg	32	33	34
Data interface	RS 232	RS 232	RS 232
Feed water pressure	2 – 6 bar	2 – 6 bar	2 – 6 bar

## 13. Sistemos konstrukcija

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

## Consumables

Part number	Description	Replacement criteria	Comments
10319	Pre-filter set	If the filters are clogged or every 6 months	
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	0.22 µm dispense filter	Every 6–12 months	Only for „Trace“ and „HPLC“
10120	Replacement ultrafilter	Every 3–6 months	Only for „Bio“

### 7. Be dalelių didesnių už 0,22

## Flow diagrams

