

*Perfect fit
for our HG*

Water purification systems

K00-1323 (WP5) / K00-1324 (WP10)

The LNI water purification systems are able to supply purified water for instrumental and analytical purposes matching requirements of every modern laboratories. Conductivity of obtained water does not exceed 0.05 $\mu\text{S}/\text{cm}$, so it is applicable for PN-EN ISO 3696:1999, ASTM, CLSI, FP standards.

The system is the ideal water purification system for AAS, ICP/MS, IC, HPLC, GC instrumental analyses. Our demineralizers are equipped with a microprocessor control and measurement system. The LCD interface provides simple and user-friendly management of all functions on the unit.

Main Applications

- **AAS** - Atomic Absorption Spectrometry
- **IC, ICP/MS** - Ion Chromatography / Inductively Coupled Plasma Mass Spectrometry
- **HPLC** - High Performance Liquid chromatography
- **GC** - Gas chromatography

Main Advantages

- ✓ Water purified in this device fits the PN-EN ISO 3696:1999 standard for class II purity, and microbiological/ physicochemical FP requirements for purified production water
- ✓ Powered by: tap water
- ✓ Efficiency: 5 -12 l/h
- ✓ Purified water intake speed: 1-2 l/min.
- ✓ Conductivity < 0,05 $\mu\text{S}/\text{cm}$
- ✓ Particle filtration: $\geq 1 \mu\text{m}$
- ✓ Low maintenance
- ✓ Reduced foot print



Specifications

Models:	K00-1323 (WP5)	K00-1324 (WP10)
General information		
Production capacity	5-7 L/h	10-12 L/h
Feed water flow rate	1-2 L/min	
Conductivity	< 0.05 µS/cm	
Water outlet pressure (Max)	3.5 bar (50.7 psi) (flow-dependent)	
Outlet pressure regulator	None	
Dimensions (W x D x H)	27 x 49 x 65 cm	
Weight	37 kg	
Housing	Powder-coated steel, corrosion-resistant	
Water purification levels		
Sediment filtration	≥ 1 µm	
Module	Integrated (sediment-carbon-softening)	
Demineralization	Mixed ion exchange	
Osmosis	Reverse	
Feed water parameters		
Conductivity	< 1200 µS/cm	
Pressure	> 3.0 bar (43.5 psi)	
Hardness	< 250 mg CaCO ₃ /L (< 14°dH)	
Fe	< 0.2 mg/L	
Electrical data		
Supply voltage	100-240 VAC (±10%) - 50/60 Hz	
Power	200 W	
Fuse	4A (250Vac – T) – 5x20mm	
RS-485	Standard (for service)	
Connections		
Water feed	Quick fitting for tube 1/4"	
Water outlet(s)	Quick fitting for tube 6mm	
Water tank outlet	Quick fitting for tube 6mm	
Water drain outlet	Quick fitting for tube 1/4"	

Ordering codes

Water purification systems

K00-1323	Demineralizer 5L
K00-1324	Demineralizer 10L

Consumables

K00-1323 (WP5)

K00-1329	Prefilter 5 µm
	Module 1 (Granulated Activated Carbon)
K00-1327	Module 2 (Ion exchange module)

K00-1324 (WP10)

K00-1329	Prefilter 5 µm
	Module 1 (Granulated Activated Carbon)
K00-1324	Module 3 (Ion exchange module)