

Water purification systems

5P/ 10P

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 0.06 $\mu\text{S}/\text{cm}$, 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
- IC, ICP/MS
- HPLC
- GC

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 < 0,06 $\mu\text{S}/\text{cm}$
- ✓ Particle filtration: 1 μm
- ✓ Low maintenance
- ✓ Reduced foot print



Specifications



Models:	5P	10P
General information		
Power	Tap water pressure	
Efficiency	5-7 l/h	10-12 l/h
Purified water intake speed	1-2 l/min	
Conductivity	< 0.06 µS/cm	
Particles	1 µm	
Dimensions (mm)	232 mm (W) x 510 mm (H) x 443 mm (D)	232 mm (W) x 570 mm (H) x 478 mm (D)
Housing	Acid-proof stainless steel	
Water purification levels		
Sediment filtration	1 µm	
Module	Integrated (sediment-carbon-softening)	
Demineralization	Mixed ion exchange	
Osmosis	reverse	
Water		
Water outlet pressure	ca. 2 bar, regulator	
Tank capacity	10 L	
Tank dimensions	390 mm (H) x 250 mm (DIA)	
Temperature	5 – 40 °C	
Feed water parameters		
Conductivity	< 1200 µS/cm	
Pressure	> 3.0 bar	
Hardness	< 250 mg CaCO ₃ /l	
Fe	< 0.2 mg/l	
Electrical data		
Supply voltage	230V/50Hz	
Water pump	24V	
Energy Consumption	20-100W	
Connections		
Cold tap water	½" or ¾ fitting	
Connector	RS 232	

Ordering codes

Water purification systems

5100.00.005

Demineralizer 5L

5100.00.010

Demineralizer 10L

Consumables

Prefilter 5µm 10"

Module A2 (sediment-carbon-softening)

Ion-exchange cartridge 2000ml H7

Ion-exchange cartridge 5000ml H6

Spare parts

5100.01.001

Module A2 (sediment-carbon-softening)

5100.01.002

Ion-exchange cartridge 2000ml H7

5100.01.003

Ion-exchange cartridge 5000ml H6



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