LAB-IoN®- L5 / L10 ION EXCHANGER
REGENERABLE ION EXCHANGER (PRESSURELESS)

HERKA® LAB-IN

Installation and Operating Guide

LAB-IoN®- L5 / L10

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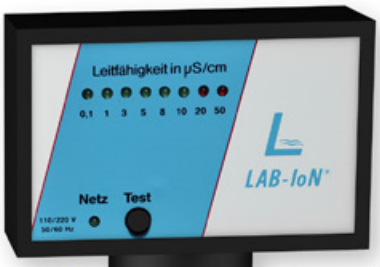
8 handle

9 Upper cap



1 Conductivity meter with 8 LEDs

3 Base for conductivity

4 Screw cap for conductivity

4a Seal for screw cap

5 Mesh screen

7 Slot for conductivity

6 Screw cap for slot

15 Cartridge empty

10 Standing ring

11 Lower cap

2 Discharge hose

13 Inlet hose (2 Meter)

14 Tap-connection-aperture reduction

12 Angle hose connection

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➢ Lab-Ion® - L5 / L10 ➣

Connections: Faucet connector: 3/4“ | Water tap pressure: 1,5 - 3 bar
Electricity mains: 110/230 V, 50/60 Hz, ≤ 5 W

Capacity:

Type	Throughput l/h	Capacity app. (break off at 50 µS/cm) in litre° dH* (° dh = German degrees of water hardness)						Ø x h in mm	weight kg
		5°	10°	15°	20°	25°	30°		
L5	60	1.150	575	380	280	225	190	170 x 420	6
L10	100	2.300	1.150	760	560	450	380	220 x 510	11

➢ Installation Guide ➣

1. Connect the water inlet hose (12/13/14) with the bottom of the cartridge by screwing (12/13). Please take care that the inlet hose has not twisted and runs straight from the tap to the inlet connection.

Please note: Do not alter the bore of the reduction adapter which fits onto the water tap (14).

2. Screw the conductivity meter (1) using the supplied adapter to the cartridge. Now push the water outlet hose (2) over the nozzle on the base of the conductivity meter (3).

3. Plug into your power supply with the plug provided (if a different type of power plug is used in your country, please modify).

4. By commissioning and after each cartridge (15) change press the „test“ button on the conductivity meter (1) . When all LEDs light the conductivity meter (1) is OK.

5. Once the water tap is open lights up all diodes to the same time. Now, the resins react with the water. After a short time only the diodes 0,1µS/cm and/or 1µS/cm will shine. The unit is now ready for use.

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Cartridge Exchange

By watching the readings on your conductivity meter (1) you can determinate when the resin is exhausted and the cartridge (15) needs to be exchanged.

! Pull power plug before exchange the cartridge or performing Maintenance !

1. Turn off water tap, then disconnect from power supply. Disconnect water inlet hose from the water tap and empty the unit of water by placing the inlet hose into a lower situated container of basin.

2. Disconnect (4) the exhausted from the conductivity meter (1). Close the top (9) and bootom screw (11) and let the cartridge (15) contents to a regeneration station regenerate.

3. Reconnect the conductivity meter (1) onto the new cartridge and place back into the brackets, then reconnect the inlet and outlet hoses as described above in the installation guide.

Maintenance

1. After a certain time of usage of the LAB-IoN it is possible that the sieve (5) (which is located under the conductivity check) is plugged from residues of tap water or little parts of resin. We recommend in turning out and cleaning the sieve under running water, when you will change the exhausted cartridge.

2. If you do not check the sieve at times it is possible that the sieve (5) will be totally plugged and the demineralized water has no free run. In this case high pressure in the cartridge can damage the unit.
(hoses can get loose ...)

Technical modifications for improving our products are reserved.

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