

LAB-IoN® Ion Exchanger

Ultra deionised water
quickly and inexpensively
directly from the
water tap



Applications

Chemistry – medicine – pharmaceuticals – cosmetics – electroplating – printing
air conditioning – laboratory – electronics

LAB-IoN[®]-L2 disposable fully desalting unit

HERKA[®] LAB - I N

The easy way to
completely desalinated
water!

You get the purest
H₂O
quickly and
inexpensively with
the Ion exchanger
LAB-IoN[®]- L2



The task

- Production of extremely pure water of distillate quality.
- Ignition residue is under 1 mg/l and electrical conductivity under 1 µS/cm.

The advantage

- No regeneration
- None of the additional costs such as packing, postage, delivery charges or handling problems as are usual with regenerable cartridges.
- Exhausted cartridges are simply replaced and you always have distilled water at your disposal.
- Cartridge jacket of rottable plastic to protect the environment.
- Light-protected blue cartridge jacket to prevent formation of algal.
- Exhausted special resin filling can be used to loosen up soil or as fertilizer.

LAB-LoN[®]-L2 disposable fully desalting unit

HERKA[®]
L A B - I N

What we supply

- Conductivity meter with diode indicator (red/green) including connection cable for 110/230 V, 50/60 Hz power supply, which means this, is a universal export product.
- Robust cartridge holder in metal including fastening accessories.
- Disposable cartridge with special resin filling mixed bed.
- Drain hose.
- Connection hose including tap connector (3/4"). 1/2" on request (increase in price).
- Special carton.

Measurement and capacity table

Width x height in mm	Throughput Litres/h	Capacity (break off at 50 µS/cm) in litre° dH*					
		5°	10°	15°	20°	25°	30°
appr. 115 x 515	appr. 30 - 40	appr. 810	405	270	203	162	135

°dH = German degrees of water hardness

Weights

- complete units: approx. 3,5 kg gross weight (No. 10.320 + No. 10.325)
- cartridges: approx. 1,7 kg gross weight (No. 10.500)

Ordering data

- **No. 10.320** Standard Model
Conductivity meter with 4 LEDs complete as described
- **No. 10.325** with high quality conductivity meter
with 8 LEDs, complete as described
- **No. 10.500**
Disposable (throwaway) replacement cartridges suitable for both models

Both models with additional mains power diode and test button.

The cartridges are equipped with a perforated plate on the bottom which prevents the fall-through of resin granules and encourages a steady water intake and have a rippled safety grip, easier to exchange, even with wet hands.

Technical changes to improve our products reserved!

LAB-IoN®-L5 / L10 ION EXCHANGER

REGENERABLE ION EXCHANGER (PRESSURELESS)

HERKA®

LAB - I N

The right size for every applications
L5 / L10



Applications

Chemistry – medicine – pharmaceuticals – cosmetics – electroplating – printing
air conditioning – laboratory – electronics

LAB-IoN® - ION EXCHANGER

Stand and wall unit for ultra demineralised water
 (Ultra deionised Water 0,1-50 µS/cm)

- Effective, convenient, safe working
- Consistently high quality water
- Cartridge filling: regenerable high performance mixed bed resin
- Power consumption 110/230 V, 50/60 Hz, ≤ 5 W
- Tap connection 3/4"

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

Scope of delivery, Complete Unit LAB-IoN® L5 / L10

- Conductivity meter with LED display, 8 LEDs green/red
- Reclaimable cartridge: filled ready for use
- Hose connection set, drain hose
- Manual

L5 LAB-IoN®- Complete Unit (ready for use)

L10 LAB-IoN®- Complete Unit (ready for use)

L5 Replacement cartridge (filled ready for use)

L10 Replacement cartridge (filled ready for use)

Wall Mount for L5 and L10

Conductivity meter with 8 LEDs

Hose set

Item No.:

Article No. 9000-L5

Article No. 9000-L10

Article No. 9100-L5

Article No. 9100-L10

Article No. 9400

Article No. NN

Article No. NN

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LAB-IoN[®] -LD-stainless-steel-Ion-exchanger
Ultra deionised water

HERKA[®]
LAB - I N

The right size for every applications
LD 12 / LD 20 / LD 30 / LD40



Applications

Chemistry – medicine – pharmaceuticals – cosmetics – electroplating – printing
air conditioning – laboratory – electronics

LAB-IoN®-LD-stainless-steel-Ion-exchangers (regenerable)

the achievement - economy - for results sake! Ultra deionised water directly from the water tap.

The optimal water management and flow technique guaranties highest achievements and quality up to 0,055 µS/cm this complies the highest requirements of the EAB and DAB 8. The ultra deionised water is ph-neutral and free of all dissolved salts, silica and carbonic acids.

These quality premium steel deionizers can be operated at pressures of up to **10 bar**. They are very resistant to mechanical stress. The **LAB-IoN®-LD-stainless-steel-Ion-exchangers** meet the high standards of the German Pressure-Vessel-Regulation § 9.

The **LAB-IoN®-LD-stainless-steel-Ion-exchangers** are also qualified for operatings, where the ultra deionised water under pressure will be drained. For example: subsequent sterile filtration, central supply to several consumer-points, supply of laboratory-washing-automaton.

All **LAB-IoN®-LD-stainless-steel-Ion-exchangers** are with conductivity meter with integrated electrode (measuring range of 0-50 µS/cm) equipped, suitable for direct connection to the cartridge.

Electricity mains: 110-240V AC

Technical Data:

Type	Capacity l/h	Capacity (break off at 20 µS/cm) in litre° dH*						Dimension mm Ø x h	Weight kg
		5°	10°	15°	20°	25°	30°		
LD 12	450	4.000	2.000	1.330	1.000	800	660	240 x 405	15
LD 20	800	5.600	2.800	1.860	1.400	1.120	930	240 x 570	23
LD 30	1.000	9.000	4.500	3.000	2.250	1.800	1.500	240 x 800	34
LD 40	1.500	12.000	6.200	4.130	3.100	2.480	2.060	240 x 1020	44

* dh = German degrees of water hardness

LAB-IoN®-LD-complete unit (ready for connection) includes:

a stainless-steel-cartridge (filled with regenerable high-performance ion-exchange-resins), a conductivity meter, a hose set and a manual

Article No.:

- LD 12 LAB-IoN®-LD--stainless-steel-Ion-exchangers **complete unit**
- LD 20 LAB-IoN®-LD--stainless-steel-Ion-exchangers **complete unit**
- LD 30 LAB-IoN®-LD--stainless-steel-Ion-exchangers **complete unit**
- LD 40 LAB-IoN®-LD--stainless-steel-Ion-exchangers **complete unit**

- Article No. 9212-LD 12
- Article No. 9220-LD 20
- Article No. 9230-LD 30
- Article No. 9240-LD 40

Accessories No.:

- LD 12 Replacement cartridge
- LD 20 Replacement cartridge
- LD 30 Replacement cartridge
- LD 40 Replacement cartridge
- Conductivity meter**
- Hose set**

- Article No. 9312/E-LD 12
- Article No. 9320/E-LD 20
- Article No. 9330/E-LD 30
- Article No. 9340/E-LD 40
- Article No. 9500
- Article No. 9600

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