made in Germany

necOn

Chemical-free water purification system

Supported by:

Federal Ministry for Economic Affairs and Energy

on the basis of a decision by the German Bundestag

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“The company
with competence
and responsibility”

The principle

As a result of our extensive collaboration with leading scientists and laboratories, NECON has succeeded in redefining the age-old principle of electrophysical water purification. The NECON system consists of the patented treatment electrodes, which release ions into the water precisely controlled by a microprocessor unit.

We have made enormous efforts to ensure that our claim of "100% chemical-free" water purification is fulfilled. Advanced automation technologies and novel electrode materials stabilize the ionization process even with fluctuating water quality and volume flow. Analytical data available from successful international NECON GmbH projects have repeatedly confirmed best water quality.

The NECON system efficiently eradicates bacteria, fungi, algae and biofilms from water and water supply systems, without being corrosive, irritant or caustic, is taste and odour-neutral and, according to the WHO and national guidelines is safe for humans even on long-term exposure – is there a more suitable water for the widest range of applications?

The most important advantage of the ions is that they are retained in the water and continue to provide long-term protection by purifying the water without the use of toxins. Even after the filter system has been switched off this depot effect persists for several months. Constant adjustments and permanent monitoring, which require continuous supervision, are therefore unnecessary. The NECON water purification system is easy to operate and requires minimal maintenance.

It has been demonstrated that just micrograms of copper and silver ions are sufficient for elimination of Cryptosporidium, E. coli bacteria, Pseudomonas, Legionella and many other pathogenic species. This method of water disinfection technology can be used in practically all situations where permanent eradication of bacteria, pathogenic microorganisms, algae and even fungal contamination is required.

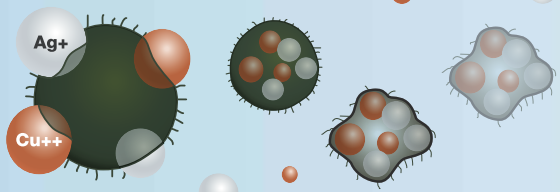
Average copper concentration in nutritional products

Cow milk	0.4 mg/kg
Beef	0.9 mg/kg
Pork	2.0 mg/kg
Game	2.1 mg/kg
Cod	5.5 mg/kg
Poultry	3.4 mg/kg
Hens egg	2.5 mg/kg
White bread	2.0 mg/kg
Rye bread	3.5 mg/kg
Oats	8.8 mg/kg
Rice	1.8 mg/kg
Potatoes	2.2 mg/kg
Various types of cabbage	1.5 mg/kg
Dried vegetables	9.0 mg/kg
Various types of nuts	5.0 mg/kg
Apples and pears	0.9 mg/kg
Bananas	1.3 mg/kg
NECON purified water (higher concentrations in some special applications)	**0.5–1.0 mg/L**

RAPID DISINFECTION

LONG-LASTING RESIDUAL EFFECT

Searching for a balance for their positive polarity, the ions attach themselves to and penetrate the walls of bacteria and pathogenic microorganisms.



The NECON treatment electrode produces positively charged ions.

Photosynthesis and nutritional uptake of the cells is prevented; they rapidly succumb.

Residual effect:
Free ions remaining in the water prevent recontamination.

Certificates & laboratory tests

Agricultural applications

In the cultivation of crops NECON prevents the majority of fungal diseases, i.e. all those that rely on airborne transport. The advantage of the method is that the surrounding flora and useful microorganisms in the earth are hardly affected by the treatment, as the ions sprayed with the irrigation system develop their effects on the plant leaves. In addition, the method is safe for humans, as NECON-purified water is effectively of drinking water quality. Correspondingly there are no principle restrictions with regard to the frequency or duration of the treatment.

Other positive effects include strengthening of the plants due to the copper uptake from the earth and a marked improvement in root growth, together with the prevention of Legionella particularly in the context of overhead sprinkler irrigation, as the whole water supply system is kept free of pathogenic bacteria starting from the point of ionization.

NECON purified water can also prevent the spread of pathogenic bacteria and microorganisms in the fields of animal breeding, livestock husbandry and processing.

Medical and cosmetic applications

Particularly dentists have discovered the advantages of the “NECON system” for ensuring the safety of patients and staff associated with a simplification of hygiene management. Reports from installations in the practice setting confirm reductions in bacterial counts to well below the regulatory limits or even to zero with a parallel simplification of the hygiene management. Even installations with older equipment and dentist’s chairs were permanently cleared of bacterial contamination even without conventional decontamination; in a further study not a single pathogenic microorganism was detected even after a vacation break of several weeks.

Initial applications in the cosmetic field are relevant to ensuring a germ-free water supply for production equipment and the prevention of bacterial burden due to contamination over the shelf life of the product. In addition, it can be assumed that the application of bactericidal and fungicidal ions increases the skin-improving effects of the products; relevant large-scale trials are currently underway in the context of research projects.

Treatment of Legionella

Copper-silver ionization is the most effective method of eliminating Legionella in water supply systems. In the United Kingdom alone, systems of this type have been installed in more than 1100 hospitals and nursing facilities.

NECON offers all the technical requirements for eradication of Legionella: volume flow-dependent dosing, automatic monitoring and regulation of copper levels, remote access to the operating parameters and recoding of parameter changes.

Cooling systems present a particularly broad spectrum of challenges with regard to water quality. The NECON system represents the most economic solution to organic contamination of the cooling water required for the installations (bio-fouling): Without additional chemicals it prevents bacteria, fungi and algae, eliminates any microbial contamination present and is completely non-corrosive. The need to drain water systems on account of accumulation of corrosive agents is avoided.

Together with the low maintenance requirement and extensive automation of the process, the NECON system represents both an efficient and economic solution for the prevention of microbes in cooling systems.

Comparison of water purification system methods

Method	Corrosion damage to pipes	Toxic	Temperature-dependent	pH-dependent	Development of lime scale	High energy consumption	Rapid re-contamination with microorganisms after treatment	Residual effects	Simple application	Evaluation
Heat shock	×	—	×	×	×	×	×	—	—	– Unsuitable for large-scale units, hot water hazard
Maintenance of constant high temperatures	×	—	×	×	×	×	×	—	—	– Unsuitable for large-scale units, hot water hazard
Pulse chlorination / shock over-chlorination	×	×	×	×	×	—	×	—	—	– Precautionary measures for operation – Waste water restrictions
Continuous chlorination	×	×	×	×	×	—	×	×	—	– Precautionary measures for operation – Waste water restrictions
Chlorine dioxide / monochloramine	×	×	×	×	×	—	×	×	—	– Precautionary measures for operation and against explosion
Use of ions	—	—	—	—	—	—	—	×	×	– Highly effective, with long-term protective effects
Hydrogen peroxide (“active oxygen”)	×	×	—	×	—	—	×	×	—	– Water clouding due to carrier chemicals or degradation products
Ozone	×	×	—	—	—	×	×	—	—	– Water clouding due to carrier chemicals or degradation products
Ultraviolet light	—	—	—	×	—	×	×	—	×	– Not safe for humans as a sole method of disinfection

× = applies
— = does not apply

Water purification for swimming pools and whirlpools

Banish chlorine and all other chemicals from your swimming pool with the "NECON system"! If you have your own swimming pool, you, your family and guests can enjoy pure, natural fresh water of the best quality. With the "NECON system" public swimming pool operators create a safe environment free of pathogens even under peak load conditions, so that visitors return again and again for a sustainable, relaxing wellness experience or sport activities, without health risks.

As far as sport swimming is concerned, there are good reasons for the 100% chemical-free purified water long-preferred by athletes and trainers in the previous Eastern-block countries. The athletes swimming at the Olympic games in 2004 in Athens were privileged to compete under optimum conditions in NECON-water.

Model ranges for standard applications

nec-One

System for flow rate-controlled treatment of water volumes up to 15 liters/minute, for example in dentist practices or for individual outlets in domestic or office environments (water dispensers).

NEC-2000

System for time-controlled treatment of water volumes of up to 40 m³, including jacuzzis and above-ground pools.

NEC-10000 is a skid-mountable unit for supply of potable water in disaster relief or any situation where polluted surface or ground water are the only available water sources for the local population.

Besides removing sediments and pathogen bacteria from the source water, its treatment adds a residual bactericidal effect to the water for long-term storage.

NEC-9000

NEC-4000

NEC-9000 and NEC4000 combine electrode with straightforward-operated controller to robust units, designed as the most universally applicable and powerful single-electrode NECON systems.

NEC-6000

NEC-6000 is an optional add-on controller for NEC-9000 or NEC-4000 electrolysis units to provide comfort functions (centralized control of up to 16 attached units, maybe equipped with special-purpose plug-in boards).

NEC-10000

NEC-4000
NEC-9000

Technical data Single System Units

1. Voltage supply
   88~264 VAC 47~63 Hz (NEC-4000) /
   90~280 VAC 45~65 Hz (NEC-9000)
2. Electrode current adjustable
   0.5–12.0 A (NEC-4000) / 30.0 A (NEC-9000) with max. output 23 VDC (NEC-4000) / 48 VDC (NEC-9000)
3. Power consumption max.
   322 Watt (NEC-4000) /
   max. 1600 Watt (NEC-9000)
4. Dimensions (W×H×D):
   185 × 365 × 244 mm (NEC-4000) /
   185 × 610× 254 mm (NEC-9000)
5. During continuous service 1 switching per day, multiple settable via timer switch
6. Supports flow control (start/stop), optionally proportional control (water volume-dependent performance) in combination with NEC-6000 add-on controller
7. IP protection class 54
8. Metal-cast treatment cell with drinking water-certified coating and 10 bar pressure rating (optionally 16 bar)
9. Connections: 2x 2" (d63) BSP internal threads

The compact, cost-efficient design integrates control electronics with simplified-to-the-essential functionality and operation, plus single pre-installed sacrificial electrode which is available in various sizes depending on project requirement and budget.

Combining powerful performance with drinking water-certified treatment cells, the units are highly versatile and suitable for treatment of potable, grey and process water as well as of irrigation water applied to greens and crops, notably winegrowing. Further applications include treatment of water used in animal production, and in bathing pools.

Multiple units can be operated simultaneously in one installation and optionally ordered rack-mounted and piped (photography shows setup example including 6 units of NEC-4000):

NEC-4000 cart

Technical Data

1. Dimensions (W × H × D):
   950 incl. sediment purge valve/pipe × max. 1300 depending on pump height × 900 mm
2. Weight: approx. 50 kg. -- Weight and further specifications of the electrode cartridge built into the NEC-4000 unit and of included test kit: cf. NEC-4000 model table
3. Flow range: min. 3 up to 8 m3/h
4. Supply power:230 VAC 50~60 Hz
5. Power consumption (of standard integrated pump plus NEC-4000 unit): max. 1.2 kW
6. Suction strainer to prevent intake of floating debris (enclosed separately): as per client requirement depending on specifications of hose intended for water uptake
7. Inlet (of standard integrated pump): 1-1/2"
8. Centrifugal filtration stage #01: for filtering sediment that is heavier than water; manual backwash (requires 15 liters flushing water)
9. Fine particles filtration stage #02: preinstalled container for 20" filter cartridge; cartridges in various pore sizes available at extra cost for factory preinstallation; alternatively integration of carbon filtration for treatment of water against bad odors.
10. Outlet: standard integrated 1-1/2" PVC handle valve to regulate pump performance
11. Cart material, tires: steel-tubing; pneumatic-tired, alternatively fitted with tri-star stair climber at extra cost

Hand-hauled “Komplett-Technik” on two-wheeler

"NEC-4000 cart"

is designed as a hand-carried water treatment system for transport, setup and operation by a single person, for filtration and disinfection of service or drinking water.

Due to the low space requirement, the system can be set up practically anywhere and can be moved just as flexibly between different locations.

With its integrated pump, the system is expressly designed for intake of water from collector basins and surface waters.

The water is then processed through two separate filter stages and finally treated with the NECON residual effect, for prolonged prevention of pathogen bacteria.

Product variants	Measurement system included	Treatment electrodes
NEC-4000.5 – Treatment of flows with 0.5–1.0 ppm: 4.500– 9.000 m³ service life	Cu-Testkit Comparator	1 × C4000.5  5.2 kg
NEC-4000.9 – Treatment of flows with 0.5–1.0 ppm: 9.000–18.000 m³ service life	Cu Test kit Comparator	1 × C4000.9  9.5 kg
NEC-9000.9 – Treatment of flows with 0.5–1.0 ppm: 15.000–30.000 m³ service life	Cu Test kit Comparator	1 × C9000.9  17.5 kg

NEC-6000

Technical data
Control panel plus
Add-in boards

1. Voltage supply 110–240 V full-range 50/60 Hz
2. Power consumption 60 Watts
3. Dimensions (W × H × D)
   335 × 270 × 150 mm
4. IP protection class 54
5. Centralized control for up to 16 units of NEC-4000 or NEC-9000
6. Max. cable connection length between NEC-6000 and NEC-4000 or NEC-9000 unit(s) 25 m
7. Optional add-on board to monitor operation via Modbus protocol (RS485)
8. Optional add-on board for automated flow-dependent amperage control; specifications for supported meters:
   - Pulse output min 300 CPM eq. 5 Hz (pulses per second), max 180 000 CPM eq. 3 000 Hz
   - Output wiring type Open Collector / NPN standard
   - Flow meters requiring power over connection cable may get 5V or 24V DC supplied

NEC-6000 is an optional add-on controller for NEC-4000 and NEC-9000 base systems to provide comfort functions.

Firstly, NEC-6000 panel allows centralized control of up to 16 NEC-4000 or NEC-9000 units.

Furthermore, NEC-6000 may be equipped with special-purpose plug-in boards depending on project requirements.

Currently available are interfaces to…

…Building management systems for complete monitoring of all operation parameters via Modbus protocol (RS485)

…Pulse-emitting flow meters to enable flow-dependent ionization performance (automated proportional amperage control depending on variations of flow)

T-NEC

Technical data

1. Power supply: External plug-in voltage transformer (included; input 180-240 V ⎓ 50/60 Hz), required output to system 24 V DC, tip of plug to T-NEC device with positive polarity, mind. 1250mA
2. Power consumption 28 watts max.
3. Space requirements in vertical installation (strongly recommended):
   H = 288 mm, W = 122 mm each incl. the supplied shut-off valves
   D = 176 mm plus clear depth min. 230 mm to detach control head for electrode maintenance
4. Connection threads 1“ BSP male (included shut-off valves: 1“/1“ BSP female)
5. Feed-through: 3/4“ (DN20)
6. Pressure rating: 16 bar
7. Weight incl. electrode: 4 kg
8. IP rating: IP 54
9. Treatment cell: stainless steel
10. Drinking water qualification acc. to WRAS (UK), DVGW (Germany)

T-NEC is intended for electro-physical treatment of feed water for control and prevention of bacteria, esp. pathogens like legionella.

The system has been designed specifically for application in domestic water supply installations. Designed like a pipe tee, it seamlessly integrates itself into existing pipe networks.

The dosage is controlled fully automatically by a patented, integrated control intelligence and does not require any settings on the part of the user.

NEC-2000

Technical data

1. Power supply:
   - Integrated wide-range power supply: 85-264 VAC, output max. 24 VDC
   - Frequency range: 50/60 Hertz
   - Connection to power source via supplied Euro power cable with IEC-60320-C7 ("figure of 8") plug to unit's built-in IEC-60320-C8 socket
2. Power rating: max. 36 Watt depending on preset performance and water conductivity
3. Operating controls:
   - BCD switch for presetting electrode performance in 0.16 A steps (max. 1.5 A)
   - BCD switch for setting electrode runtime (0.5 h to 4 hours; continuous operation)
   - ON/OFF push-button for runtime start and abortion; timer recommended (not included in scope of delivery).
4. IP rating: IP54 (splash-water protection)
5. Dimensions: 200 x 215 x 115 mm
6. Empty weight: 4,2 kg
7. Electrode cartridge: 2.3 kg standard made up of 5 plates each 5 mm
8. Connections: 2x 2" (d63) BSP internal threads

NEC-2000 is designed as a compact-size water treatment system for…

- bathing pools or supply tanks with water volumes of up to 40 cubic meters, as well as for
- flows with rates of up to 3 cubic meters per hour

Just as its larger sister model, the NEC-4000, the NEC-2000 is characterised by a number of key features…

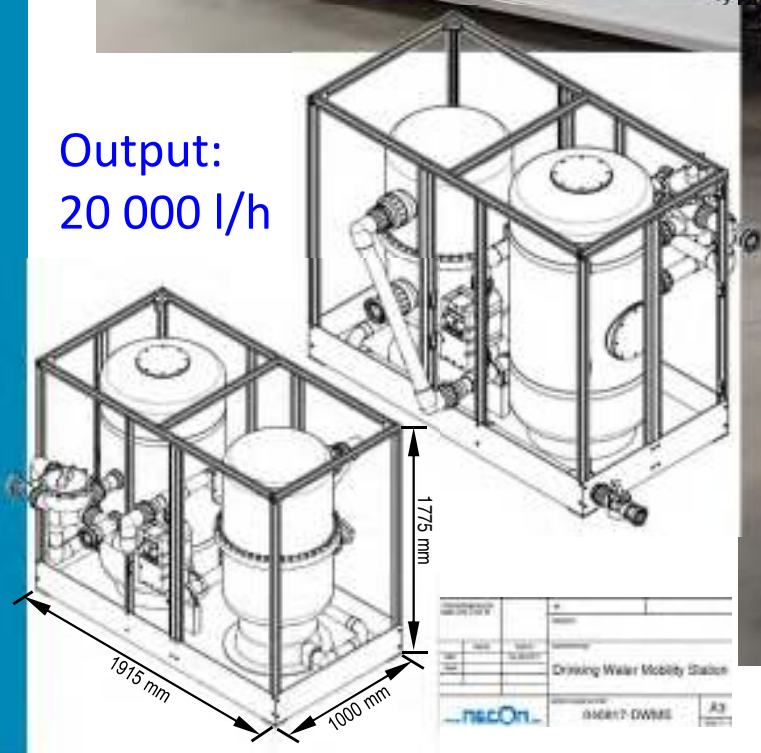
- precise control of the electrode performance
- high output voltage to the electrode
- rated for water pressures up to 16 bar
- WRAS-certified (i.e. drinking water suitable) coating of the treatment cell

NEC-10000

Batch of units at the NECON production halls in South-West Germany

Ready to go - wherever in the world people thirst for clean and safe water!

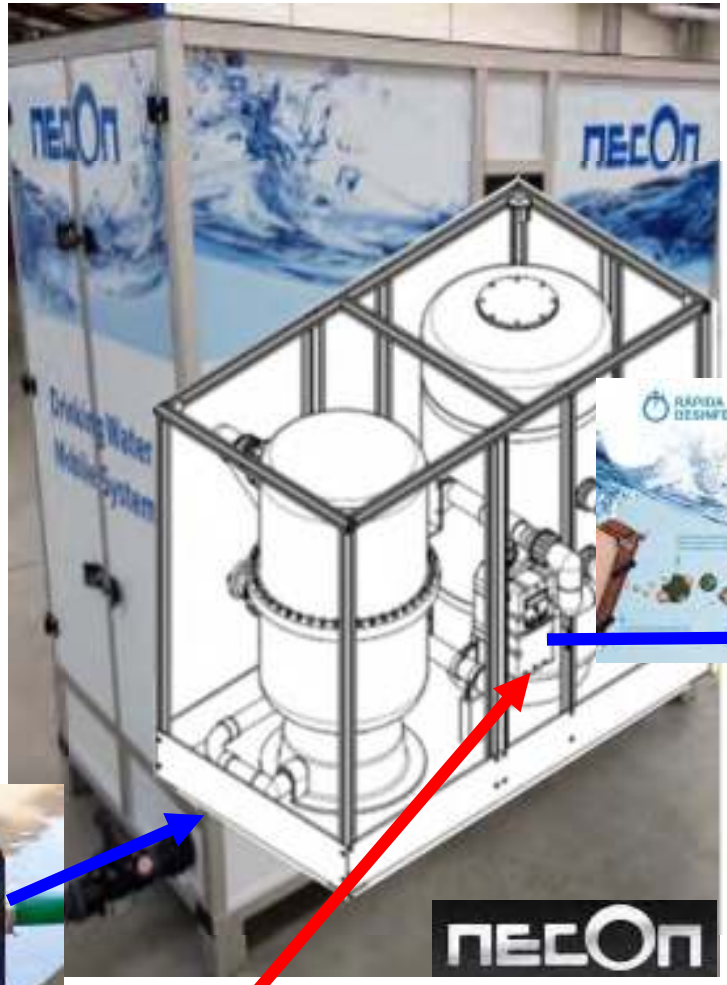
Output:
20 000 l/h



NEC-10000

Supply Water from Rivers and Lakes to the Consumer

Water is taken up with pump



Optional water pump and optional equipment for power supply:

Water Made Fit for Human Consumption:

Water Reservoir

NECON-treated water remains fresh for an extended period of time, thus can be stored without degradation

NEC-10000

Field test:

Deployment to treat lake water

Impressions of a stagnant pond in the backwoods.

This kind of water is the only drinking water supply available to millions of people worldwide.

Yet the solution ready to go!

NEC-10000

Field test:

Deployment to treat water from sludge basin

Target applications of the Drinking Water Mobile System

- Emergency situations where geographic areas are cut-off from supply of treated water because of environmental disasters
- Communities that are not at all connected to municipality water supply networks and have no other option than to use untreated water sources

Water being pumped from a sludge basin, then purified.

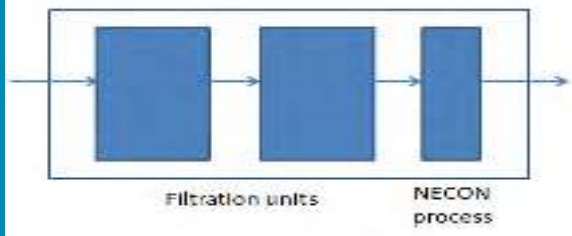
NEC-10000

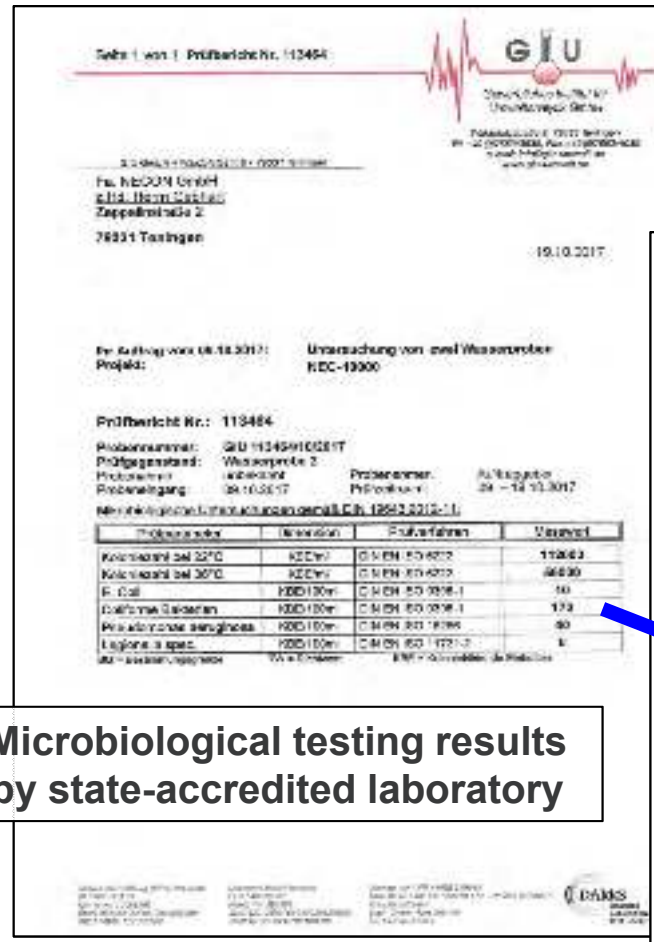
So much more than just filtration:

The long-lasting safeness of NECON water.

Achieved by combining filtration with the NECON electrolytic process:

Process line diagram :





Microbiological testing results by state-accredited laboratory

The added benefit of combining filtration with the NECON process is that the water will remain perfectly drinkable (bacteria-free and tolerable for human consumption) in situation where it is not immediately consumed but stored.

Comparison of NECON with conventional disinfection: example: swimming pool application

Conventional (chlorine)	NECON (copper / silver)
Causes reddened and stinging eyes	No stinging eyes
Dry, brittle skin	Silk-soft skin
Active odour, especially in indoor pools	Odourless water
Respiratory tract irritation	No irritants present in the water
Chlorine represents a health hazard	Copper is healthy (essential element)
Requires use of flocculation agents	Natural flocculent formed
Special winter agents required during operational shutdown	No development of algae over winter
Requires additional anti-algae agents	No additional agents required
Storage and stockpiling of the treatment products	No storage space requirement
Permanent chlorine value measurements, at least once per week	Copper concentration measured only once every 3 months
Risk of caustic burns if liquid chlorine is used	Fully automatic ionization
Additional agents required for pH adjustment	No additional agents required for pH adjustment
Risk of corrosion for swimming pool equipment and environment	No corrosive properties
Poor buffer capacity	Constant formation of ions
Water treated with chlorine needs to be replaced once yearly	No replacement of the water required
Filter sand requires replacement every 2–3 years	Filter sand replacement only every 10 years
Rapid loss of effectiveness under strong sunlight	Temperature-independent
Backwashing water requires special disposal	Backwashing water ideal for plant irrigation

NEC-5010

Technical data
Control unit

1. Voltage supply 110–230 V switchable 50/60 Hz; contact rating filter pump max.1.1 kW, can be replaced by optional external contactor
2. Electrode current 1–7 A adjustable; with max. 12 V output voltage
3. Power consumption max. 370 Watts
4. Dimensions (W × H × D) 335 × 265 × 150 mm
5. Up to 3 programmable switching times per day
6. Flow control by automatic filter-backwash control unit, paddle-wheel flow monitor or magnetic-inductive flow monitor for volume flow-dependant water treatment (each optionally available)
7. IP protection class 54

The completely newly developed next-generation model replacing the successful NEC-1000 control unit was designed as the basic model for the 5000 series and meets the same basic requirements for a wide variety of applications like its sister models NEC-5070 and NEC-5000: ampere stabilized operation with combinable time and flow rate parameters, including volume flow-dependent electrolysis depending on the flow monitor installed.

The control unit has an optional touch screen operating display, which in addition to more convenient operation also provides a detailed Log history function.

As a further option, NEC-5010 systems can be remotely controlled via optional LAN network connection.

Product variants	Measurement system included	Treatment electrodes
NEC-5010.2 Starter – For private indoor pools up to 40 m³ – For private outdoor pools up 30 m³	Cu-test kit Comparator	1 × C4000.5 
NEC-5010.2 – For private pools up to 80 m³ – For public pools up to 50 m³	Cu-test kit Comparator	1 × C4000.9 
NEC-5010.4 – For private pools up to 160 m³ – For public pools up to 100 m³	Cu-test kit Comparator	1 × C9000.9 
NEC-5010.5 – For private pools up to 320 m³ – For public pools up to 250 m³	Cu-test kit Comparator	2 × C9000.9 

NEC-8000

Technical data
Control unit

1. Voltage supply 110–230 V switchable 50/60 Hz
2. Electrode current 1–7 A adjustable for the primary electrodes and 0.25–2.5 A for up to 2 optional auxiliary electrodes (in 0.25 A steps); with max. 12 V per electrode
3. Power consumption
   – NEC-8000.4, 8000.8, 8001.8: max. 1,5 kW
   – NEC-8000.5, 8000.10, 8001.10: max. 1,85 kW
4. Dimensions (W × H × D)
   – NEC-8000.4, 8000.8, 8001.8: 610 × 1700 × 1535 mm
   – NEC-8000.5, 8000.10, 8001.10: 610 × 1700 × 1785 mm
5. Up to 3 programmable switching times per day
6. Flow control by paddle-wheel flow monitor (included), external pump contactor (optional), magnetic-inductive flow monitor for volume flow-dependant water treatment (optional)
7. IP protection class 54

NEC-8000-systems are large-scale units with up to 10 primary ("MAIN") electrodes complete with piping and electrical wiring.
In addition to the primary electrodes, up to 2 optional ("Auxiliary") electrodes may be controlled via a secondary regulator circuit with its own parameters.

All electrodes are controlled by specially designed cabinet in which four or five controller units are centrally operated via touch screen display.

In addition to the convenient operation, the touch screen display also provides a detailed Log history function.

As a further option NEC-8000 systems can be remotely controlled via optional LAN network connection.

For detailled overview over available electrode configurations refer to the following page.

Product variants	Measurement systems included	Treatment electrodes
NEC-8000.4 – Treatment of flows with 0.5 – 1.0 ppm: 30.000 – 60.000 m³ service life – For swimming pools up to 500 m³	Cu-test kit Photometer + Ag-test kit	4 × C21035 (+ optional 1–2 × C21038) 
NEC-8000.5 – Treatment of flows with 0.5 – 1.0 ppm: 37.500–75.000 m³ service life – For swimming pools up to 650 m³	Cu-test kit Photometer + Ag-test kit	5 × C21035 (+ optional 1–2 × C21038) 
NEC-8000.8 – Treatment of flows with 0.5 – 1.0 ppm: 60.000–120.000 m³ service life – For swimming pools up to 800 m³	Cu-test kit Photometer + Ag-test kit	8 × C21035 (+ optional 1–2 × C21038) 
NEC-8000.10 – Treatment of flows with 0.5 – 1.0 ppm: 75.000–150.000 m³ service life – For swimming pools up to 1.500 m³	Cu-test kit Photometer + Ag-test kit	10 × C21035 (+ optional 1–2 × C21038) 
NEC-8001.8 – Treatment of flows with 0.5 – 1.0 ppm: 120.000–240.000 m³ service life – For swimming pools up to 2.500 m³	Cu-test kit Photometer + Ag-test kit	8 × C90009 (+ optional 1–2 × C21038) 
NEC-8001.10 – Treatment of flows with 0.5 – 1.0 ppm: 150.000–300.000 m³ service life – For swimming pools up to 3.000 m³	Cu-test kit Photometer + Ag-test kit	10 × C90009 (+ optional 1–2 × C21038) 

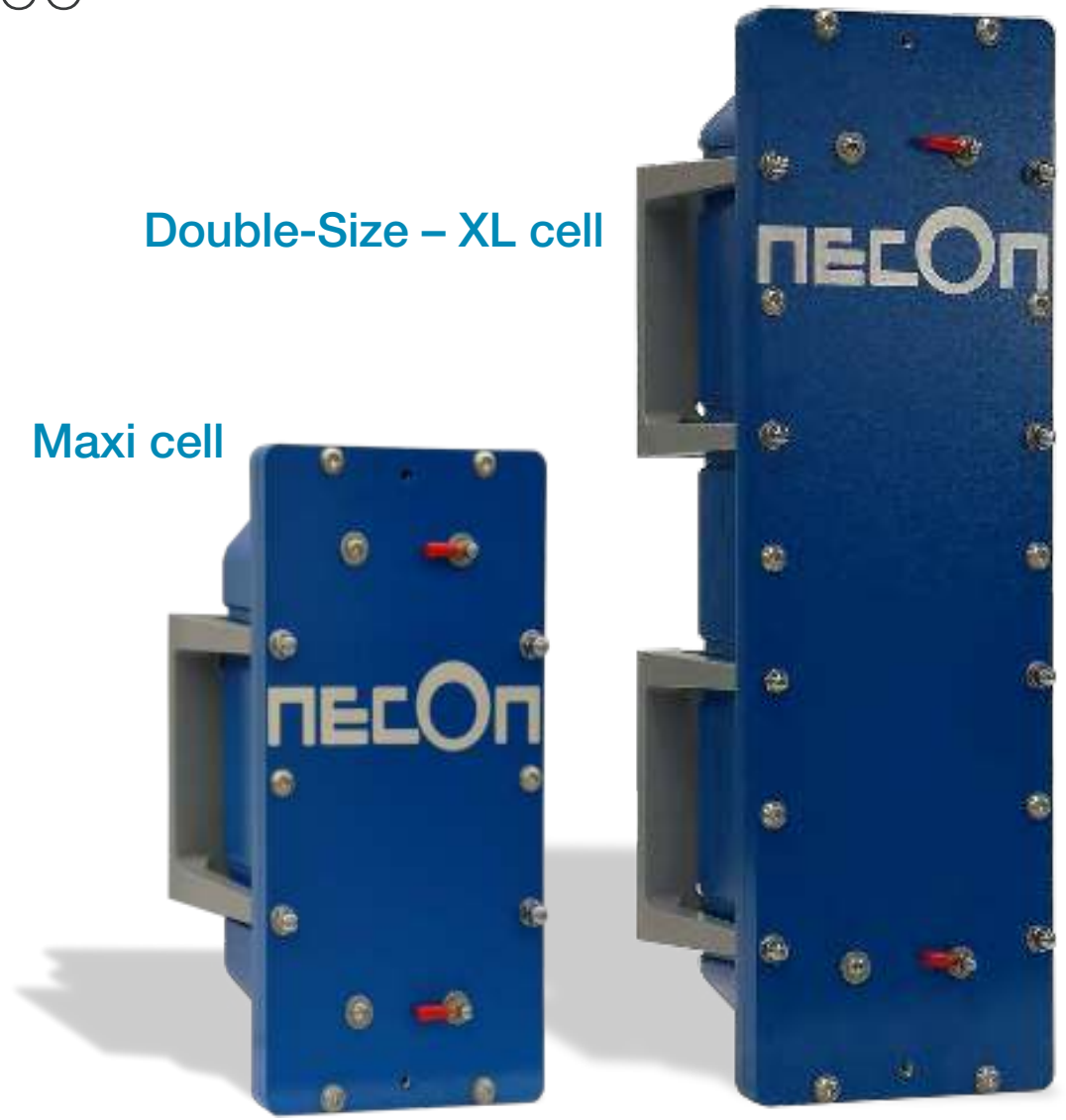
Treatment cells and electrodes for NEC-5010 and NEC-8000 swimming pool systems

Double-Size cell extra-large and standard electrode:	Dim. 610×185×180 mm (H x W x D) Cast metal, WRAS-certified coating (identical with cell of NEC-9000 units). Standard electrode: C9000.9 (17.5 kg)
Maxi cell and electrodes:	Dim. 365x185x180 mm (H x W xD) Cast metal, WRAS-certified coating (identical with cell of NEC-4000 units). Standard electrodes: C4000.9 (9.5 kg) or C4000.5 (5.2 kg) Optional auxiliary electrode for NEC-8000 systems: C21038.X (3.7 - 10.8 kg, depending on order configuration)
Connections:	2× 2“ BSP (d63) internal threads
Cell pressure resistance:	16 bar
Cell temperature resistance:	70 degrees Celsius

Icons on system pages: = C4000 = C21038 = C9000

Double-Size – XL cell

Maxi cell



Test kits

Cu-test kit Comparator

Manual measurement case for rapid determination of copper levels by a colour comparison test.

Cu-test kit photometer

Manual measurement case for rapid determination of copper levels by a photometric measurement instrument.

Ag-test kit

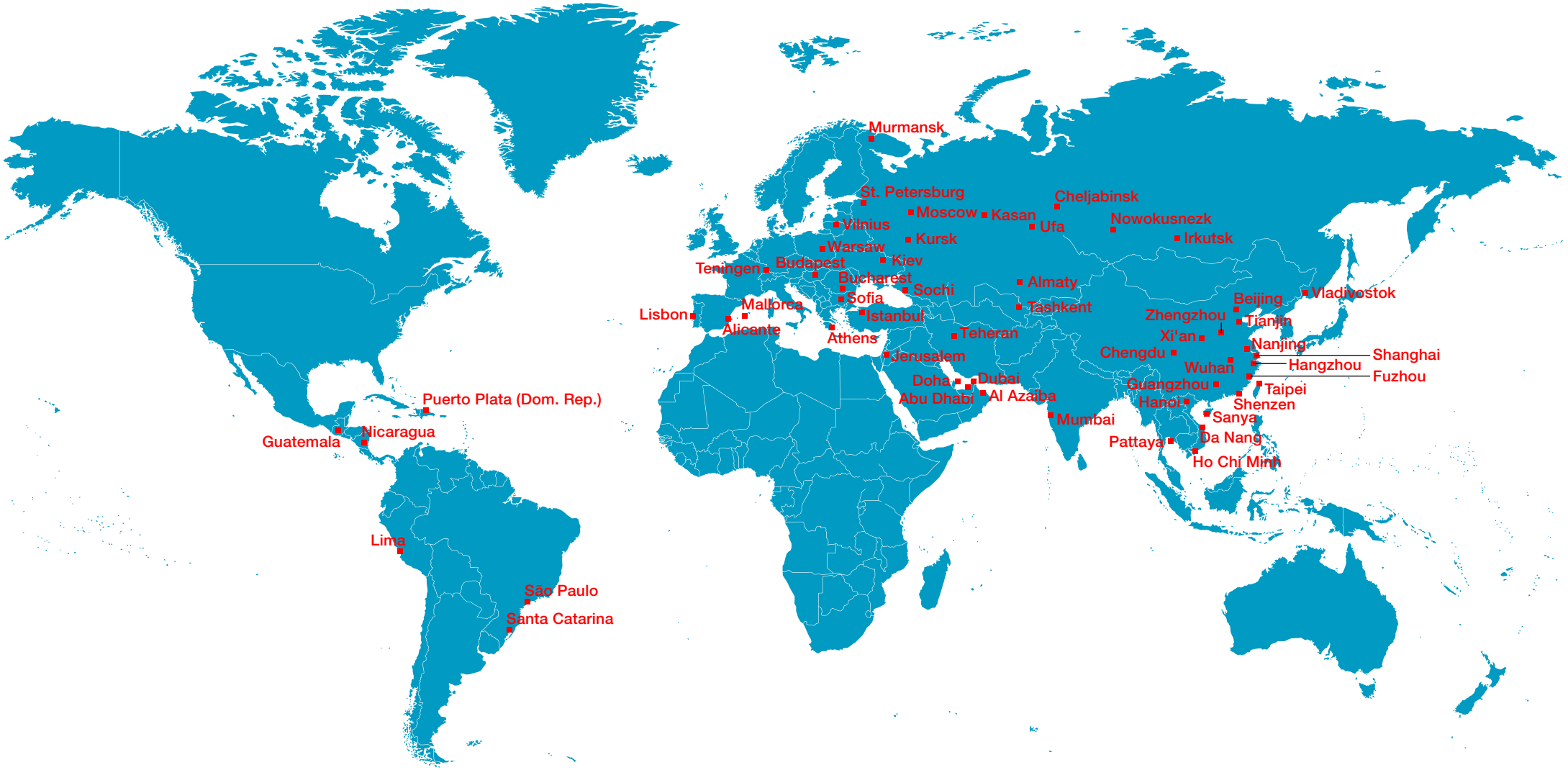
Manual measurement case for rapid determination of silver levels by a colour comparison test.

iOn Testline

Fully automatic, rapid online determination of copper levels at adjustable time intervals by an integrated measurement instrument. The values shown on the display can be transmitted to control units of the NEC-5000 and NEC-8000 types for automatic adjustment to a preset Cu level. For NECON control units with Internet connection all values can be checked remotely, including data records.

Dimensions (control unit) W × H × D:
195 × 180 × 120 mm

NECON agencies worldwide



About NECON

NECON GmbH was founded in 1981 by Dr.h.c. Klaus Gebhardt as an engineering company for automation technology and metal construction and is now a global player in the field of chemical-free water purification.

With the aim of developing a safe, economic, human and environmentally friendly alternative to chemical water purification systems, NECON GmbH has collaborated intensively for many years with well-known experts, laboratories and institutes.

The "NECON system" redefines a century-old principle of electrophysical water purification that has now been patented and developed to the series production level.

A broad product range is available for private and public operators for a wide variety of applications.

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SEEDECO • Trading & Contracting W.L.L.
Al Jawaan Street, Al Nasr, Doha
P. O. Box 92001
Qatar

+974 5532 5160
+974 4001 1933

Email : info@seedeco.qa
Website : www.seedeco.qa

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