

HYTECON



THE FUTURE OF WATER

A low-angle shot of a person's legs in brown corduroy pants and white socks walking on a wooden floor. The floor is littered with several discarded plastic water bottles, some of which are crushed. The person is walking from left to right, and the bottles are scattered in their path.

Clean and
safe drinking water
directly from
your tap.



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THE HYPRO WATER

Sustainable Home Water Treatment System.

Never before has it been more important for all of us to contribute to the preservation of our planet and the future of our children. Sustainability and environmental protection are on everyone's lips. The HYPRO WATER enables you to use and protect water, the most important resource, and protect it in a sustainable way.





HEALTHY & SECURE

Proven to remove 99.99% of all viruses and bacteria. Minerals important to life and trace elements are retained. Perfect for making baby food and for people with weak immune systems.

THRIFTY

A litre of water from the HYPRO WATER is significantly cheaper than a litre of average bottled water.



SUSTAINABLE

100% chemical free. No mercury. No waste water. No plastic bottles. In contrast to reverse osmosis, no waste water is produced during treatment with the HYPRO WATER.

SIMPLE AND FAST

Easy installation, carried out easily and quickly by yourself, no maintenance, filter change only 3 times per year.



REFRESHING TASTE

Proven to improve the taste and smell of your tap water. You can use the HYPRO WATER perfectly for cooking or washing fruit and vegetables, for your coffee or tea.



DRINKING WATER QUALITY

Why you should improve your tap water.

In many countries, especially in Western Europe, tap water is considered to be a very well controlled product and therefore safe. Nevertheless, there are many reasons to treat drinking water additionally, because due to increasing industrialization, the development and use of more and more new chemicals or even climate change, more and more pollutants, bacteria and viruses get into our tap water, which may not be tested for.

So, our tap water is not as safe as we assume!

In addition, the testing obligation of the municipal waterworks ends at the property line. From there on, it is the landlord or property owner's responsibility to guarantee clean drinking water. If the water in the pipes of the buildings gets warm or stands for a longer period, pathogens and germs can quickly form which can cause serious illnesses, for example of the respiratory tract due to legionella or of the digestive organs due to coliform bacteria. In older properties, heavy metals such as lead, copper or nickel can often be detected in the water.

The causes for possible health damages are mostly not suspected in the own tap water, so that a continuous intake of the substances or bacteria becomes a long-term problem.

Sometimes there are even warnings or boil-off orders from the water suppliers when a fault occurs in a pipeline network. The Federal Environmental Agency of Germany says that you should always let your drinking water run until you feel it getting colder before you drink it. With HYPRO WATER you don't have to waste water.

You are always safe.

Tap water can be contaminated by the following pollutants:

- ✓ Bacteria, viruses and parasites
- ✓ Microplastics
- ✓ Pesticides
- ✓ Drugs and hormones
- ✓ Multi-resistant germs
- ✓ Heavy metals
- ✓ Organic pollutants
- ✓ Odours and flavours

TECHNOLOGY AND FUNCTIONALITY

Perfect combination: Activated carbon-filtration and UVC-LED-disinfection.

1. ACTIVATED CARBON-FILTRATION

The activated carbons used in our drinking water treatment are made from plant-based substances (coconut shells) and are deployed as sintered mono-blocks. One particular property of activated carbon is that it has a high capacity for adsorption in addition to the mechanical filtration of particles such as micro-plastics. This allows pollutants such as pesticides, medicines, hormones, heavy metals and organic compounds to be filtered out of the water.

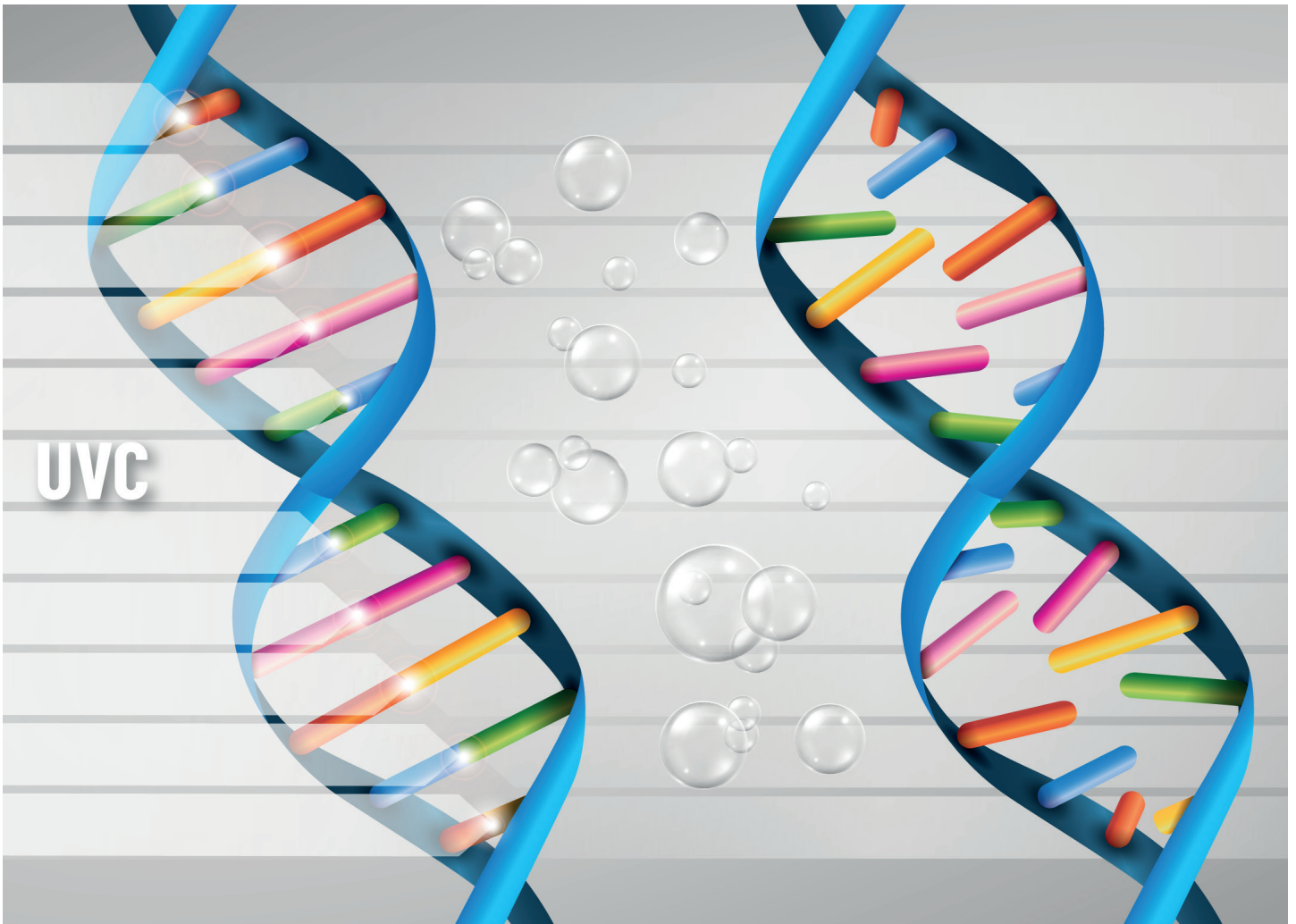
Thanks to this ability, activated carbon filtration is widely used as an environmentally friendly, chemical-free and highly effective method of treating drinking water.



Filter status
new



Filter status
after 4 months



2. UVC-LED DISINFECTION

Treating water with sustainable UVC disinfection is a globally recognised and very effective process. As a technology, it is superior to all chemical processes, especially when compared to the use of chlorine in water. Disinfection is based on purely physical processes that allow sustainable treatment of your water without the use of chemicals or the danger of creating toxic by-products. The core of the process is based on inactivating the DNA/RNA of bacteria, viruses and parasites using UVC radiation, something that happens in seconds.

The HYPRO WATER makes maximum use of UVC LED radiation thanks to HYTECON's globally patented Dynamic Twist Technology. This optimises the flow of the UV light into the water. Unlike conventional UV-C water treatment devices, HYTECON does not use mercury-based UV lamps. Mercury is a highly toxic heavy metal the use of which has been banned internationally by the Minamata Convention. HYTECON has already consistently applied the Minamata Convention by using the latest LEDs.

The result is a superior disinfecting result that has already been patented internationally and has been certified by the most important institutes worldwide (p.14).










SUSTAINABILITY

Less CO₂ and lower cost: Your HYPRO WATER.

With HYPRO WATER you produce only 0.36 grams of CO₂ per litre of water - conventional bottled water produces 211 grams of CO₂ per litre in comparison - that is a factor of 580. This means that your ecological and CO₂ footprint with the HYPRO WATER is 580 times smaller than with the consumption of average bottled water and you have proven safe and pure water. The HYPRO WATER disinfects your drinking water completely chemical-free.

The activated carbon used in the filter is sustainably sourced from coconut shells. Since activated carbon filters are recyclable, they make an important contribution to environmental protection. They clean the water only with the pressure in the water pipe and thus without additional energy consumption. Unlike reverse osmosis systems, no waste water is produced when water is treated by the HYPRO WATER. In this way, an environmentally friendly cycle is created.

Besides the fact that your water is incomparably safe, pure and sustainable with HYPRO WATER, you will spend much less money on unprecedented water quality in your home: For example, water from the HYPRO WATER is cheaper than average water from the supermarket.

										
Calcium	mg	80	32	5	12	51	18	7	29	97
Magnesium	mg	26	6	1	8	5	15	2	9	11
Potassium	mg	1	1	0	6	0	5	3	2	4
Sodium	mg	6	7	6	12	15	18	0	9	24
Chloride	mg	10	8	12	15	20	9	0	13	45
Sulphates	mg	14	22	5	9	19	1	0	10	49
Total mineralisation	mg	137	76	29	62	110	66	12	72	230
Price / litre	EUR	€ 0.87	€ 1.30	€ 6.23	€ 0.59	€ 0.57	€ 2.69	€ 2.22	€ 2.07	€ 0.03

Get **three times the minerals** at 1% of the cost

Source: <https://www.mineralienrechner.de>, last downloaded on 01.09.2021



About Hytecon.

We have our own research and development team, which consists of specialists in the fields of chemistry, electrical engineering, environmental technology and construction. Our own laboratories for the respective specialist areas enable us to continually advance the state of the art and thus develop the most innovative and high-quality products for our customers.

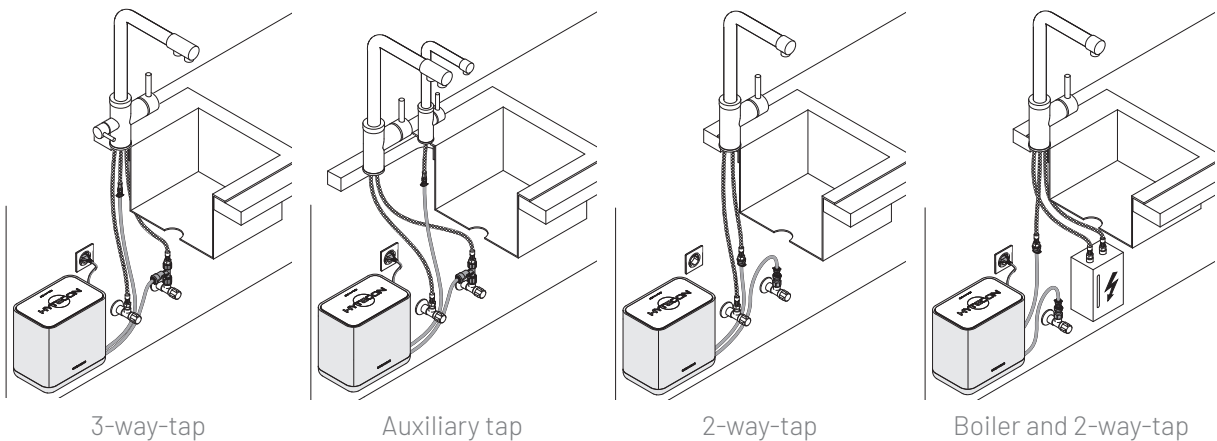
We are the first company in the world to bring the highest possible water treatment performance to private households. Our products are internationally patented and independently certified. We develop and produce exclusively in Germany and Switzerland.

HYTECON AG, founded in 2015 in Lucerne, Switzerland, with subsidiaries in Germany and Germany and Korea, develops and distributes innovative water treatment products for private and for private and commercial applications. Detailed information on HYPRO WATER is available on our website at www.hytecon.com.

ASSEMBLY AND MAINTENANCE

Installed in no time at all:
The HYPRO WATER fits any standard water tap.

The HYPRO WATER can be connected to the cold water pipe by yourself within a few minutes. We provide you with the accessories for mounting on every standard tap. HYTECON recommends the installation in combination with a 3-way tap for highest comfort.



The filter change is necessary approx. 3 times per year. A flashing LED on the device, as well as your HYPRO WATER app, remind you in time to change the filter. You can change the filter yourself, i.e. without the help of a specialist.



Placement **on** the worktop



Placement **under** the worktop

THE 3-WAY-TAP

The perfect complement to the HYPRO WATER.



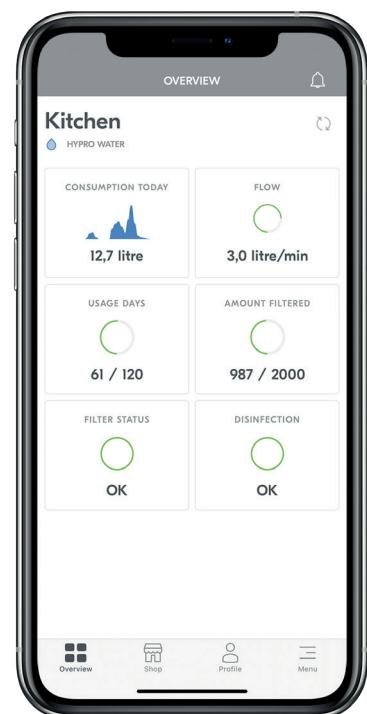
The 3-way tap from HYTECON is an optimal addition to the HYPRO WATER because it has a separate outlet for water treated by the HYPRO WATER.

This is how it works: The lever on the right of the tap supplies (as before) unfiltered cold and warm water via a mixer tap. The separate lever on the left of the tap delivers perfectly prepared drinking water from the cold water pipe, which you can also use for cooking or washing fruit and vegetables, for your coffee or tea.

HYPRO WATER APP

Always well informed:
Your digital water centre.

- ✓ Push notifications on the status of the disinfection and of the activated carbon filter.
- ✓ Direct access to the online shop for timely reordering of the filter.
- ✓ Check your water consumption in real time.
- ✓ Check the water flow rate in litres/minute and the disinfection performance of the UVC LEDs.
- ✓ Manage multiple units in one account.



CERTIFICATION AND EXAMINATION REPORTS

The HYPRO WATER: International patented, certified by independent institutes.

National Sanitation Foundation

NSF is the world leader in product certification for food safety, with a focus on food, water, indoor air and the environment. NSF conducts product testing and material analysis and unannounced on-site inspections. Every aspect of a product's development is thoroughly evaluated before it receives certification. As the world's only product based on UVC LED disinfection, the HYPRO WATER meets all of the following standards:



NSF/ANSI 42

This standard establishes minimum requirements for systems designed to reduce non-health related contaminants. e.g. chlorine, taste and odour, chloramine, particulate, iron, manganese, zinc and total dissolved solids.

NSF/ANSI 53

This standard establishes minimum requirements for systems designed to reduce more than 50 health-related contaminants, e.g. lead, atrazine, PFOA and chromium.

NSF/ANSI 55

This standard specifies minimum requirements for systems designed to reduce viruses and bacteria by UV disinfection.

NSF/ANSI 401

This standard considers new contaminants not found in previous guidelines. e.g. drugs, hormones, psychotropic drugs and pesticides.



Technischer Überwachungsverein Technical Inspection Agency

TÜV Rheinland operates as a technical testing organisation in the areas of safety, efficiency and quality. TÜV Rheinland is the most internationally oriented of the three competing TÜV groups in Germany.

Technologiezentrum Wasser Water Technology Center

On the basis of its extensive research activities and practical experience, TZW develops solutions and concepts for all areas of the national and international water sector, from resource protection to extraction and treatment to the abstraction valve.

Institut für Hygiene und Public Health Institute for Hygiene and Public Health

The Department of Water Hygiene is a laboratory approved according to the Drinking Water Ordinance 2001 for microbiological and chemical testing of drinking water. The experienced and qualified staff and the microbiological and chemical laboratories of the department equipped with modern equipment ensure a wide range of analytical services.

CE-Declaration of Conformity

With the CE mark on its products, HYTECON declares that all legal requirements for these products are met. The purpose of the CE marking is to document compliance with the essential safety requirements of the applicable EU regulations.

TECHNICAL DETAILS

Facts and figures about your HYPRO WATER.

Supply voltage	110 – 240 VAC; 41W; 50 – 60 Hz
Waterflow	3 l/min
Water temperature	min. 5°C; max 30°C
Ambient temperature	min. 5°C; max 35°C
Operating pressure	min. 2 bar/ 200 kPa; max. 6 bar/ 600 kPa
Test pressure	16,5 bar
Protection type	IPx1
Weight	Empty weight 3.6 kg; weight with water 4.5 kg
WLAN	WLAN 802.11 b/g/n
Filter capacity	2000 l
Filer change	every 4 months



CONTACT

PRIVATE CUSTOMERS

Do you have any questions or comments about our products, our company or our website? Our service team looks forward to your message or your call and will answer your request as soon as possible. You can reach us by e-mail or by phone at:

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COMMERCIAL CUSTOMERS

HYTECON offers individual solutions for commercial customers. Possible fields of application can be found in the following areas: Healthcare, hotels and cruise ships, property management, employee kitchens, etc. You can reach your personal contact by e-mail or by phone at:

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HYTECON Youtube Channel



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