



NEWS

Issue June 2024

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TO THE REALM OF NATURE AND ITS EXPLORATION

GENERAL DIRECTOR OF THE
NATURAL HISTORY MUSEUM
DR. KATRIN VOHLAND IN
CONVERSATION

FROM PAGE 4





Dear reader,

the warm days are finally here and I hope you can enjoy the sunshine to the full. In the last issue, I told you about the successful cooperation between the Natural History Museum (NHM) and HERZ for energy-efficient and cost-saving heating at the NHM. The NHM is one of the most renowned museums in the world. I am therefore all the more pleased to present to you in this issue, the importance of the museum for society and nature in an exciting interview with NHM General Director Dr. Katrin Vohland.

But we are not just staying in Austria in this issue: HERZ is also endeavouring to further strengthen its market position in other countries. In Greece, the company is determined to become the leading supplier in the area of surface heating and cooling. The situation in Lebanon is different: due to the current political situation, the dynamics of business there have changed noticeably. In this interview, HERZ's long-standing partner Loutfi Hert gives us authentic insights into the current situation on the ground.

In keeping with the theme of efficient heating, we are at the peak of dynamism in the product presentation section. HERZ pressure independent control valve combines many functions in a compact housing. As a result, the product solves many of the installer's problems in practice. To ensure that everything runs smoothly in the drinking water sector too, you will find a clear technical article on the essential subject of ÜA marks.

A highly informative issue awaits you as your companion through the relaxing and sunny summer.

Enjoy reading

Nurgül Akbas
Editor HERZ News

PS: Would you like to tell us something or be included in the next issue? We look forward to any feedback, suggestions and proposals from you by e-mail at: herznews@herz.eu

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Note: To improve readability, the masculine form is used for personal nouns, which of course also refers to the feminine as well as to all other gender identities.

WITH HERZ TO NEW HEIGHTS



**Dear customers and partners,
dear friends of HERZ!**

"Eppur si muove! meaning " 'And it (the earth) does move!' Galileo Galilei is said to have said quietly to himself in Italian after he had denied his ground-breaking findings about the moving earth before the Inquisition in Rome in 1633. This spared him the stake and he was 'only' sentenced to life imprisonment. Times have changed. Today we can safely express an opinion that differs from that of the EU and the government. Nothing will happen to us because, as a company, we won't get any attention anyway.

Our exports are being massively affected by the extremely high inflation in Europe. In Germany, young families in particular can hardly afford to buy a home due to high financing costs and a massive rise in property prices. The resulting decline in the construction sector is having a correspondingly negative impact, with a massive reduction in the number of employees at affected companies and an increasing number of insolvencies filling the business pages of newspapers.

But every wave is followed by a crest, so this hope will carry us into the summer and a relaxing holiday season for us all.

But overcoming obstacles can also be fun, like on our **HERZ enduro rides**. For years, HERZ has been riding together with partners and friends through creeks and streams, over stones and rocks, through forests and meadows in the Buzet/Motovun area in the Istria region. Together we experience 2-3 days of adventure with our local guide Dean, who is also active in local enduro clubs. Beginners and experts are cordially invited to take part in the HERZ Enduro rides. Whether you want to bring your own motorbike or use one of our bikes, as always HERZ is happy to take care of everything from logistics to catering and accommodation.

Sometimes things go wrong with us too: the saved data of previous participants and interested parties has been swallowed up by the computer. We therefore ask everyone who has already taken part, would like to come again or would like to take part for the first time to send us an email to herznews@herz.eu with their first name, surname and company address so that we can organise the next adventure trip together.

Gerhard Glinzerer



Floor manifold

The guide to optimal heat distribution.

HERZ floor manifold offer direct and easy access to all important components, such as heat meters and regulating and isolating valves, without having to rely on the presence of the occupants. Thanks to its installation in the corridors of the building, it enables quick maintenance work. In combination with dynamic valves such as HERZ differential pressure controllers, the floor manifold also ensures optimum hydronic balancing. This guarantees the efficient supply of heat to each flat and optimises energy consumption.

Floor manifold order number:
1 8636 XX



Symbolic image of the floor manifold with additional components.



Photo: HERZ

THE STEP INTO THE FUTURE

GENERAL DIRECTOR DR. KATRIN VOHLAND IN CONVERSATION



Photo: NHM

Following the dedication 'To the realm of nature and its exploration' by Emperor Franz Joseph I, Dr. Katrin Vohland has been General Director of the Natural History Museum in Vienna since 2020. Her office is located in the flat planned for the first director of the Natural History Court Museum. Dr. Katrin Vohland is the first woman to head the museum since it was founded. She is particularly pleased about the extension of her contract for a further five years, as she wants to complete what she has started: Making the museum more visible and accessible. In an interview with HERZ News, she talks about the museum's tasks and goals as well as its significance for society and the future.

How it all started...

The long-standing partnership between the Natural History Museum and HERZ is the result of a shared affection for art, history and efficiency. In 1999, to mark the 150th anniversary of the death of the founder of the Strauss dynasty, Johann Strauss (father), the Vienna Philharmonic Violin Quartet was keen to give a concert in honour of the great composer not far away in the first district. The musicians found a sponsor and organiser in HERZ and the Natural History Museum was the ideal venue for this event.

This first concert was followed by numerous other HERZ concerts and, as an encore, a sponsorship agreement to

deepen the relationship beyond cultural events, because HERZ and the NHM share a common goal: Resource conservation and energy efficiency.

Successful together

In order to achieve the target set for resource conservation and energy efficiency



Photo: HERZ

HERZ anniversary celebration for the 125th anniversary of the company at the NHM in 2021.

cy, HERZ provided the Natural History Museum with HERZCULES thermostatic heads, among other things, as a first step, thus contributing to the saving of 440 MWh of heating energy in the historic and listed building. This equates to 58 tonnes of CO₂ emissions saved. The positive results were published at a press conference in April 2024.

From industrial electronics to biology

Dr. Katrin Vohland had a passion for biology and art from an early age. However, she began training as an industrial electronics technician in order to pursue a tangible profession. But passion won out: she abandoned her training and switched to biology. At the time, she could never have imagined that she would be appointed General Director of the NHM.

HERZ News: Congratulations on the extension of your contract. What are your goals for the next five years?

Katrin Vohland: One of the biggest projects is the modernisation of the exhibition halls and the opening of the barrier-free entrance. We have created an overall strategy for the museum because it was important to me to first determine where we want to go as a museum as a whole and what our function really is. Our mission is to teach people about nature, scientific processes and evolution and to make this more accessible, visible and understandable. The museum is a total work of art: what can be seen in the display cases is also reflected on the ceilings, in decorations and paintings. This interplay is unique.

HERZ News: How is the implementation going?

Katrin Vohland: We have a master plan that we implement module by module depending on the resources available. The plan made it clear, for example, that there are listed rooms on the right-hand side of the building because we have the original wallpaper from the original furnishings. We can therefore only realise the barrier-free entrance on the left-hand side. We will relocate certain collections to Museumsstraße and Museumsquartier. It is important for the identity of



Photo: HERZ

On the roof of the NHM. In the centre Dr. Katrin Vohland (General Director and Scientific Director, NHM Vienna). In the photo on the left DI Christian Fischer (Head of the Buildings and Security Department, NHM Vienna) and on the right Dr. Gerhard Glinzer.

the museum that the objects are not far away. If you don't take the cars for granted and look at the whole area from Museumsquartier to the Volkstheater, you could see it as a campus. But that's a pipe dream (laughs). At the moment, we will probably move the library out.

HERZ News: What do you see as the museum's main task?

Katrin Vohland: To preserve and protect the core collections for research, biodiversity and species. They form the basis for research and public relations work. It is important that the collection, research and exhibition form a unit with the building. And, of course, to make this accessible to visitors, whether digitally or physically. A collection in a box is not helpful to anyone.

HERZ News: The NHM acts as a bridge between science and the community. What is done to make the complex scientific concepts understandable to a wide audience?

Katrin Vohland: We have over 30 million artefacts in our collection, but can only exhibit a small section. Our aim is that everything we touch must also have added value for the scientists and curators. There has been a lot of scientific progress in recent years. We want to show the great diversity of animal groups. That is a challenge. We are currently looking at birds, reptiles, snakes and frogs.

HERZ News: With so many objects in the collection, how do you decide which items to exhibit?



Photo: Chloe Potter / NHM Vienna

Restoration of the wall paintings in the NHM to restore the luminosity of the original colours.

Katrin Vohland: We consider what the individual collection families say, what is exciting for visitors, how much space we have and what the conservation requirements are. We start with the content, but you have to think about many other factors such as light, climate and so on.

HERZ News: The NHM is also an important educational institution for children and young people. To what extent does the museum support the education of children and young people?

Katrin Vohland: There is a special programme for schools from the Ministry of Research - Sparkling Science. We offer schools guided tours and workshops. In the workshops, you deal more intensively with the subject matter. When you touch and do something yourself, much more sticks with you than usual. The nice thing about the schools is that children from different backgrounds come together. This is no longer the case with adult visitors. Our visitor structure analysis shows that they often have a higher school-leaving qualification. This does not reflect the full diversity that we would like to have, so we are working hard on this.

HERZ News: What is the role of the museum for visitors today and to what extent do you think this has changed over time?

Katrin Vohland: Inclusion and integration, as well as reaching all people with educational programmes, were not so



Photo: HERZ

HERZ News interview with NHM General Director Dr. Katrin Vohland.

present as a task in Hochstetter's time. However, collecting, preserving, research and science communication have always played a role and still do. What we are seeing is that the function of museums has expanded. This is also reflected in the international definition of museums: Role of global responsibility and communication about scientific processes as an instrument of participation. The social role of museums has increased significantly. We also feel this in our organisation and are facing up to this task.

HERZ News: And how can the museum succeed in raising society's awareness in this sense in order to promote a more conscious approach in everyday life with a view to the future?

Katrin Vohland: We have a mission statement: To the realm of nature and its

exploration. As a museum, we are still a research institution, but we aspire to take a stance. We deal with the scientific basis of climate change, with adaptation to climate change and its effects. It must be clear that it is always about people and their living conditions. However, this is a debate that goes beyond research. As a museum, we try to emphasise the connections between climate change and people's living conditions. In this way, we also help to raise awareness among visitors. What conclusions are drawn from this is a social debate.

HERZ News: The NHM claims to be CO₂ neutral by 2030. What is the situation here?

Katrin Vohland: We were very euphoric when we set the target (*laughs*). Now we have better data and can say that we

The wonders of nature

The snails build their splendid and mobile home with minimal use of resources. The snail shell is made from lime, which the snails absorb from their environment. These lime particles are converted into calcium carbonate in a special gland in the snail's shell and moulded layer by layer into a protective shell. The continuous deposition of calcium carbonate enables the shell to keep pace with the snail's growth. An exemplary process.

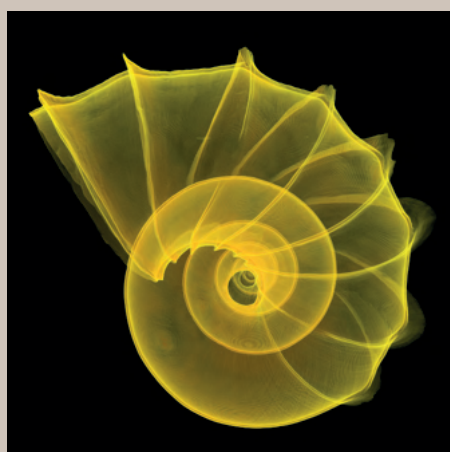


Photo: Viola Winkler & Ivo Gallmetzer

A CT image of the shell of the snail species *Acroptychia metableta*.

Admission tickets for the Natural History Museum

So that our HERZ News readers can also experience the history and future of nature up close, the first 10 HERZ News readers to register by email at herznews@herz.eu will each receive 2 tickets to the Natural History Museum Vienna. ☑

Legal recourse is excluded. Multiple entries and cash payments are not possible.

won't make it by 2030. Half of this target depends on the heating and cooling of the building, i.e. on district heating and soon district cooling. So we are 50% dependent on how quickly WienEnergie can make production climate-neutral. The remaining 50% is up to us and we are doing everything we can: For example, we have green electricity, we try to negotiate less meat with the canteen and so on.

HERZ News: What would you like to tell our readers last?

Katrin Vohland: I would be delighted if all the knowledge contained in the collections could be utilised for quality of life and sustainability. In our innovation hub at Deck50, we organise events with representatives from industry and business. We focus intensively on the topic of biodiversity and its benefits for companies. The focus is on which resources companies use, what can be learnt and how the materials can be used. A prime example of this is the tower snail: It gets by with so little material and then has the snail shell ready.

HERZ News: Thank you very much for the journey through time and the wonders of nature that you bring so vividly to life. Thank you for giving our readers an insight into the world of the Natural History Museum. ☑



Photo: HERZ

HERZ MINI THERMOSTATIC HEADS

Suitable for every radiator



The major influence of the thermostatic head on energy-efficient heating is greatly underestimated. The correct use of the thermostatic head ensures a regulated and efficient heating system and helps to save costs, as well as providing a sense of well-being in the room.

To ensure that the right thermostatic head can be fitted to every radiator, HERZ offers its compact MINI thermostatic heads in the three standard connection types available on the market. HERZ MINI thermostatic heads are characterised by their compact dimensions, modern design and simple installation on the radiator valve.



HERZ MINI Thermostatic head

Connection thread: M 28 x 1,5
Length: 75 mm
Handwheel diameter: 45 mm
Setpoint range: 0 - 30 °C
6 - 28 °C
Order number: 19200 30/60



HERZ MINI H Thermostatic head

Connection thread: M 30 x 1,5
Length: 78 mm
Handwheel diameter: 45 mm
Setpoint range: 0 - 30 °C
6 - 28 °C
Order number: 19200 38/68



HERZ MINI D Thermostatic head

Connection thread: Snap fastening
Length: 88 mm
Handwheel diameter: 45 mm
Setpoint range: 0 - 30 °C
6 - 28 °C
Order number: 19200 09/99

The easy-to-read scale makes it easy to set the thermostatic head to the desired temperature. The room temperature is continuously adjusted to the desired temperature by the integrated liquid sensor. Not only compact, cost-effective and competent, but also a feast for the eyes. ☑



Photo: Dimakis

Dialechtos Dimakis, Managing Director of Dimakis SA, his team and Anatolii Karenin at the Climatherm Energy 2024 trade fair in Athens.

Anatolii
Karenin

Dialechtos
Dimakis

GREECE

THE CRADLE OF EUROPEAN CULTURE

The foundations of our modern-day democracy and mathematics, as well as philosophy, natural science and our historiography, originated in Ancient Greece. The terms and concepts of ancient Greek civilisation were adopted, adapted and passed on to European culture - especially in the fields of science and language. This is why many modern names today have Greek roots. With 3,054 islands, 100 of which are inhabited, Greece is now one of the world's most popular holiday destinations for many holidaymakers. In 2023, the country reported a national record with 32.7 million tourists. HERZ is represented on the Greek market by HERZ partner Dimakis SA and is endeavouring to further expand its strong market position in the area of surface heating and cooling in Greece. For as Socrates once said: He, who believes he is something, has ceased to be something.

Growth market for heating and cooling systems

Greece is not only a country with a rich history and breathtaking landscapes, but also an up-and-coming market for heating and cooling systems. As a company, HERZ is experiencing exciting market development in this country with its partner Dimakis SA. The family-owned company Dimakis SA is based in the Greek harbour city of Thessaloniki on the Thermaic Gulf of the Aegean Sea. The company is the market leader as a wholesaler for heating and cooling systems in Greece and

has an extensive distribution network that covers the whole of Greece. 'The first orders and feedback have confirmed our positive expectations,' says Anatolii

Karenin, HERZ Business Development Director, adding: 'The market is ready and receptive to our products. We are seeing increased demand, particularly in



Photo: Dimakis

HERZ stainless steel manifold and Uni-Mini exhibited at the Climatherm Energy 2024 trade fair in Athens.

the area of surface heating. We are convinced that we will continue to be successful with our partner Dimakis SA."

Greece focusses on more comfort

While cooling system products have traditionally been in high demand in Greece, surface heating has also seen an increase in demand in recent years. One of the reasons for this is the population's increasing need for comfort. "Due to rising gas prices, we have seen a switch to heat pumps in Greece in recent years. These are not only good for the environment, but also ideal heat generators for underfloor heating systems," says Karenin. HERZ is represented in Greece with products for underfloor heating and cooling, including pipes, manifolds, fittings and electronic components for these systems. "It is a promising market with great potential. Our partner Dimakis SA has excellent knowledge and expertise. We are very much looking forward to a successful partnership," says Anatolii Karenin. HERZ partner Dimakis has also strongly felt the demand for radiant heating



Photo: Dimakis

HERZ surface heating products at the Energy Tech 2024 trade fair in Thessaloniki.

ing and cooling systems at the two trade fairs in Greece in spring 2024.

Climatherm Energy 2024 - Athens Energy Tech 2024 - Thessaloniki

HERZ surface heating systems were exhibited by our partner Dimakis SA at two important trade fairs in Greece in the HVAC sector in spring. In February, the Climatherm Energy trade fair took place

in the capital Athens. It has been the only energy-specific international trade fair in Greece for over 30 years. The following month, the Energy Tech trade fair was held in Thessaloniki. By participating in these events, HERZ is emphasising its determination to serve the Greek market with high-quality heating and cooling solutions and to further strengthen its cooperation with its partner Dimakis SA. ☑

The rebirth of the Olympic Games after 1,500 years

The Olympic Games originated on the Greek peninsula of Peloponnese in the town of Olympia. According to historical records, the first Olympic Games took place as early as 776 BC. Historically, the games were organised to unite the Hellenic world, which consisted of numerous city-states that were constantly at war. However, as much of Greek history is linked to mythology, there is a theory that the demigod Heracles founded the games in honour of his father Zeus, the supreme god of Greek mythology.

Only Athenians of Greek descent born in wedlock were allowed to take part in the first Olympic Games. Over time,

the conditions for participation were relaxed. As it was believed that the gods would choose the winner, he was regarded as a dignitary of his native city and celebrated as a hero. Special rights such as a tax-free life and food at state expense for the rest of their lives were added. As the Olympic Games upheld the belief in the Greek gods, they were banned in 393 by the Roman Emperor Theodosius I. He had already made Christianity the state religion in 380, which meant that there was no longer any place for ancient gods in the Eastern Roman Empire.

In 1776, the English archaeologist Richard Chandler discovered the an-

cient venue and excavations began in the 19th century. Impressed by this, Pierre de Coubertin realised that sport could bring together young people from all over the world. In 1894, he founded the International Olympic Committee and has since been recognised as the father of the modern Olympic Games. The logo of the Olympic Games was also designed by him and symbolises the five continents in the colours of all the national flags. The first modern Olympic Games took place in Athens in April 1896 and have since been held in a different country every four years. The term Olympics refers to this four-year period between the games and not the games themselves.

HERZ INTER

650 Mil
Euro annual turnover

3.500
Employees worldwide

44
Production facilities

50
Subsidiaries

Modern technology means using less energy while maintaining or increasing comfort and no need to be ashamed of having a warm home. For this reason, HERZ is continuously developing innovations and efficient product solutions so that this comfort can remain affordable for everyone.

The Austrian HERZ Group, which focuses on energy efficiency and the associated production of biomass systems, heat pumps, fittings, district heating stations, control technology and insulating materials, supplies the products required for efficient supply and is uniquely structured in this form in Europe.

As an Austrian company, HERZ has a highly successful presence in the HVAC sector on all continents with 50 subsidiaries and 44 production sites in 12 European countries. HERZ products are considered indispensable when it comes to efficient supply and long-lasting quality. This is why they are in high demand and successfully in use worldwide, from Canada to the Fiji Islands.



AZERBAIJAN



Photo: narimanmarliq.com

In 2020, the contract for the construction of a new administrative building for the customs office in Azerbaijan was signed. The multi-million euro construction work began in 2021. HERZ's Azerbaijani partner Alfa-R Engineering was responsible for the efficient heating and cooling supply.

HERZ balancing valves and differential pressure controllers in screwed and flanged versions were used. This combination provides the new building with energy-saving heating and cooling dis-

tribution in all rooms and the hydraulic balancing can be carried out precisely, resulting in optimum distribution of the heating and cooling capacity. ☒



<input checked="" type="checkbox"/> Capital city:	Baku
<input checked="" type="checkbox"/> Language:	Azerbaijani
<input checked="" type="checkbox"/> Area:	86.600 km²
<input checked="" type="checkbox"/> Population:	10,12 Mil.
<input checked="" type="checkbox"/> Currency:	Azerbaijan-Manat 1 € = 1,84 AZN

OMAN



Photo: ocec.com

The 22,000 m² Oman Convention Centre in Muscat, the capital of Oman, relies entirely on Austrian quality. The entire cooling system of the convention and exhibition centre was equipped exclusively with HERZ products. From HERZ strainers and ball valves to pressure independent control valves, HERZ products ensure an efficient cooling system in the numerous rooms.

When it comes to cooling HerzCON is of course a must. HerzCON offers control, regulation, filling, flushing, back flus-

hing, draining, isolating off and filtering in a compact form from a single source. The product ensures a reliable and fast connection between FanCoils and the cooling system. ☒



<input checked="" type="checkbox"/> Capital city:	Maskat
<input checked="" type="checkbox"/> Language:	Arabic
<input checked="" type="checkbox"/> Area:	309.500 km²
<input checked="" type="checkbox"/> Population:	4,58 Mil.
<input checked="" type="checkbox"/> Currency:	Rial Omani 1 € = 0,42 OMR

TURKEY



Photo: atasehirmodern.com

Istanbul is the only city in the world that connects two continents: Europe and Asia. In the Asian part, in the province of Atasehir, a new residential complex with 979 flats was built. The flats are equipped with surface heating systems in which numerous HERZ stainless steel manifolds were used.

In order to ensure that every resident in the skyscrapers receives the required heat supply, hydronic balancing is of great importance in this residential complex. To ensure this, HERZ Turkey supplied the

perfect duo: HERZ differential pressure controllers in combination with STRÖ-MAX-GN balancing valves. The flats were also equipped with HERZ actuators and electronic room thermostats.



	Capital city:	Ankara
	Language:	Turkish
	Area:	783.562 km ²
	Population:	85,37 Mil.
	Currency:	Turkish Lira 1 € = 35 TRY

UKRAINE



Photo: great.com.ua

Despite the military situation in Ukraine, construction of the GREAT residential complex in Kyiv is continuing. The large residential complex consists of thirteen buildings, each with 26 floors, and is referred to as a 'city within a city' on the former industrial site.

So far, six buildings in the complex have been put into operation. The city administration plans to convert the industrial area into a residential area with its own infrastructure by 2037. HERZ Ukraine was responsible for the hydronic balancing

of the flats and has supplied numerous HERZ balancing valves as well as differential pressure controllers, thermostatic heads and thermostatic valves to date.



	Capital city:	Kyiv
	Language:	Ukrainian
	Area:	603.700 km ²
	Population:	36,75 Mil.
	Currency:	Hryvnya 1 € = 43,93 UAH

UNITED ARAB EMIRATES



Photo: citycentredeira.com

Deira City Centre in Dubai is one of the first shopping centres in the city. In order to switch to an efficient cooling supply and save costs, the entire system was modernised. The renovation work was carried out at night so as not to disrupt ongoing operations.

The focus was on switching from a static system to a dynamically controlled system. Numerous flanged and screwed HERZ products were utilised to this project. The favourite of all efficient cooling systems, HerzCON, was also used in

Dubai. Among other things, HERZ balancing valves in combination with HERZ differential pressure controllers were responsible for the hydraulic balancing.



	Capital city:	Abu Dhabi
	Language:	Arabic
	Area:	83.600 km ²
	Population:	9,44 Mil.
	Currency:	UAE-Dirham 1 € = 3,99 AED

ÜA-MARK: DRINKING WATER IS OUR GOLD



Photo: HERZ

Clean, hygienically safe drinking water is one of the most valuable resources of our time and must be particularly well protected. Laws, ordinances and regulations define the detailed framework conditions for protecting the blue gold from harmful influences. Since 15 March 2021, only appropriately registered products may be used in Austria. But who is ultimately liable?

ÜA-mark

It is crucial for installers to be aware of the legal obligation to use the ÜA mark, as this small symbol is associated with a great responsibility, as it is an essential requirement for the installation of drinking water products. Within the framework of the EU Drinking Water Directive, each nation state must ensure that the contents of the directive are transposed into national law. The Austrian legislator has therefore stipulated in the 'Regula-

tion of the Austrian Institute of Construction Engineering on the List of Construction Materials ÖA' of 15 March 2019 that pipes, fittings and building fittings in the drinking water supply within a building between the transfer point and the tapping point must comply with the ÖNORMEN series B 5014 1-3 after a two-year transition period.

Drinking water suitability in accordance with ÖNORM B 5014 1-3 'Sensory and chemical requirements and testing of

materials in the drinking water sector' means that all materials used are hygienically flawless. This means that these materials do not have any negative impact on drinking water and therefore do not pose any health risks.

A registration certificate is issued by a registration body to prove that a product complies with the provisions of the Building Materials List ÖA and thus to prove its suitability for drinking water.



HERZ registration
for multilayer pipes



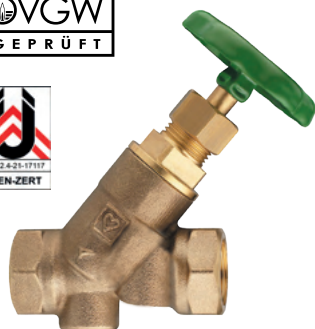
HERZ registration
for moulded parts
made of organic
materials



HERZ registration
for brass fittings



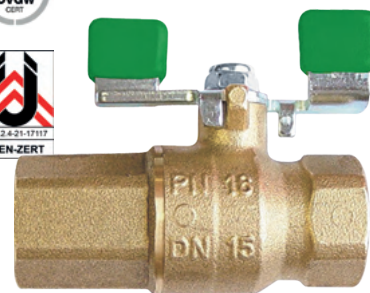
HERZ registration
for fittings made of
metallic materials



HERZ Shut-off valve 4115



HERZ Shut-off valve 4125



HERZ Ball valve 2110

The drinking water product may then bear the ÜA-mark and is also continuously monitored. The obligation to provide proof applies without exception to all built-in products in Austria, regardless of their country of manufacture.

The quality brands ÖVGW and DVGW

If drinking water products bear the state-prescribed ÜA-mark, further certifications can be applied for in order to confirm the highest quality.

Both the Austrian Association for the Gas and Water Industry (ÖVGW) and the German Technical and Scientific Association for Gas and Water (DVGW) certify with their quality marks, in addition to the legal requirements, a demonstrably high quality of documentation, service or logistics through to the existence of valid product liability insurance. The products and all other requirements are subject to continuous monitoring by the ÖVGW and DVGW.

ATTENTION: Products only receive ÖVGW certification if they have a valid ÜA mark. Both the purchase and sale of drinking water products without an ÜA-mark is permitted, but the installation of such products is not permitted under Austrian regulations. The installer is liable for this. It is therefore recommended that you look for the ÜA mark or the current ÖVGW certification when purchasing drinking water products in order to save yourself trouble and costs.

On the safe side with HERZ

HERZ Armaturen has the necessary registration certificates from the WIEN-ZERT registration centre for all HERZ drinking water products concerned. In addition, selected HERZ products are labelled with quality marks.

All HERZ drinking water products such as ball valves, shut-off valves, line regulating valves, circulation temperature limiters, pressure reducers, drinking water mixing valves, backflow preventers, drinking water distributors, the Pipefix aluminium

composite pipe drinking water distribution system with press fittings, drinking water filters with or without pressure reducers and the safety fittings can be used in the drinking water supply in any construction and renovation project in compliance with the law. All requirements for the protection of human health and the quality of drinking water are more than fulfilled. With HERZ you are on the safe side.

HERZ Pipefix aluminium composite pipe drinking water distribution systems with press fittings bear both the ÖVGW and DVGW quality marks. The shut-off valve families in angle seat design, 4115 and 4125, and the shut-off valve families in straight seat design, 4215, are ÖVGW-registered. The ball valves with non-return valve, 2110, are DVGW-certified.

All system separators and system separator combinations are also DVGW-certified. ☑

Drinking water filter with pressure reducer

HERZ drinking water filter with pressure reducer is the 2-in-1 product of drinking water systems. The HERZ pressure reducer serves as a safety element and reduces the pressure to the required level. At the same time, the legally prescribed water filter captures the solids that the water can naturally carry with it and thus ensures drinking water quality.

BENEFITS

- ☑ Stainless steel sieve insert
- ☑ Mesh size: 80 - 100 µm
- ☑ Incl. union connections
- ☑ Incl. membrane pressure reducer and manometer
- ☑ Max. inlet pressure: 16 bar
- ☑ Max. temperature: 40 °C
- ☑ Nominal sizes: from DN 15 to DN 25
- ☑ ÜA-mark



HERZ News interview with Loutfi Hert
(Managing Director Sami Hert & Sons SARL).

Photo: HERZ

30 YEARS OF PARTNERSHIP WHAT IS HAPPENING IN LEBANON?

HERZ partner Sami Hert & Sons SARL is one of the few companies in Lebanon that has been able to maintain its business. However, turnover has shrunk massively: only 25% of the usual turnover can now be achieved. The reasons for this are the political situation and the massive taxes in Lebanon. On the occasion of the 30th anniversary of the successful partnership, it was a special pleasure for HERZ to welcome Loutfi Hert, Managing Director of Sami Hert & Sons SARL, to HERZ in Vienna.

In addition to business matters, the current situation in Lebanon was also at the centre of the conversation. A great opportunity for HERZ News to report first-hand and authentically on the challenges of everyday life in Lebanon and the current market situation. After all, who better to tell us about the reality on the ground than someone who experiences it first-hand every day?

HERZ in Beirut - 1994

It was in the so-called 'Paris of the Middle East' that Gerhard Glinzerer and HERZ sales manager Susanne Juza crossed paths with Loutfi Hert, Managing Director of Sami Hert & Sons SARL, in Beirut in 1994. What began

as a meeting within the framework of an organisation of the Austrian Chamber of Commerce in Beirut developed into a long-standing and trusting part-

nership between these two companies. Loutfi Hert returned to his home city of Beirut after the end of the civil war in 1990. He had previously lived in Ca-



Gerhard Glinzerer presents the antique fire steel to Loutfi Hert in the farmhouse parlour.

Photo: HERZ

nada for 18 years. On his return, he took over his father's company and expanded it dynamically with fresh ideas. He ultimately built up a nationwide sales structure in Lebanon with showrooms and warehouses, which are fortunately owned by the company.

In an interview with HERZ News, he talks about the corrupt situation in Lebanon and the societies money being frozen in the banks by the government.

HERZ News: What is the current political situation in Lebanon and how does this affect the industry?

Loutfi Hert: We have had an economic crisis in Lebanon since 2019. The money that the entire population had in bank accounts before 2019 has been frozen. We are only allowed to withdraw 150 dollars per month from our accounts, from our own money. Any other amount is taxed at 85 %. At the same time, inflation in the country increased dramatically. 1 dollar used to be equivalent to 1,500 Lebanese pounds, now we are at 90,000 Lebanese pounds. Taxes and customs duties have been set higher than usual. Economically, it is impossible for a company to survive without a strong and stable foundation. How are you supposed to finance all this if you don't have access to your own money?

HERZ News: How can business still be conducted?

Loutfi Hert: We have developed into a cash society. Cash is photographed and the serial number of the notes is checked. We no longer accept cheques because they are worthless. Banks are now only used to make transfers, but no longer to store money. When I have payments to make, two employees take the money to the bank to transfer it. They take different routes and are equipped for their own protection.

HERZ News: Could it be said that the situation has also led to an increase in crime?

Loutfi Hert: People are desperate, unemployed and depressed. Not even basic needs can be properly met. The price of food has increased tenfold within days,

while salaries have remained the same. A good example is water: the water tanks are filled twice a week. We pay for water from the government that we can't even drink. That's a monthly cost of around 130 dollars. An average salary is the equivalent of around 350 dollars.

HERZ News: What about the power supply and heating?

Loutfi Hert: Electricity is not made available to us. The government has spent 45 billion dollars on electricity in the last 15 years. The money has gone into the pockets of politicians. Either you have generators or you buy electricity from people who have generators. Diesel is used for heating. My running costs are around 500 dollars for diesel, although I only heat for two hours in the morning and evening. It's all pretty corrupt.

HERZ News: Was the situation better before 2019?

Loutfi Hert: It used to be corrupt too, but we never thought they would help themselves to our money. The salaries of civil servants have been raised to European levels. A person who doesn't even turn up for work earns 3,000 dollars a month - someone has to pay that. That's how they took the people's deposits. It was a political privilege for them. From 2019 onwards, things went significantly downhill. Since then, several hundred thousand people have left the country and moved to the Gulf-Region (Qatar, Saudi Arabia, etc.), Turkey, France, Canada or the USA in search of a better and secure life.

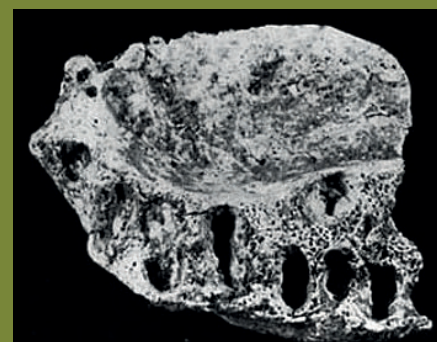
HERZ News: How do the Lebanese see the situation?

Loutfi Hert: The silent majority in Lebanon is fed up with corruption and with all politicians from all classes and religions. We have the right to peace and the right to live. Beirut was called the Paris of the Middle East. When there was nothing in the Middle East, Beirut was the jewel. Will it return again? I hope so. All we need is stability. I'm an optimistic person by nature, even though I've been through hell. Something has to happen, something has to change. We'll see how long it takes. Hope lives in me.

HERZ News: Thank you very much for your openness and clear statements on the situation in Lebanon. There is little we can do from Austria to improve the current situation. We wish you the very best under the given circumstances and we hope that you will be able to resume normal business activities as soon as possible. ☑

Did you know that...

... archaeological finds in Lebanon prove that this area was already inhabited by Homo sapiens at least 40,000 years ago?



Photos: CC by/4.0 Deed

Egbert, the skeleton of a child (first photo) and Ethelruda, upper jaw fragment (second photo), were found together with their tools, which belong to the Upper Palaeolithic period (Euroasian Palaeolithic). This confirms the theory that Homo sapiens migrated to Europe via the Levant. With an estimated age of 45,900 years, Ethelruda is also older than all the remains of early Homo sapiens found in Europe to date.



AT THE PEAK OF DYNAMICS HERZ PRESSURE INDEPENDENT CONTROL VALVES

HERZ Pressure independent control valves
SMART 4406 / 4206

Dynamic valves ensure efficient and controlled distribution of the heating medium in a heating system. Regardless of whether it is a full or partial load range, each part of the system is supplied with the required amount of energy at all times thanks to the use of dynamic valves. Hydraulic balancing can be ensured by the interaction of various static and dynamic valves. Or by a single product: HERZ Pressure independent control valves.

Dynamic control and regulating valves are the be-all and end-all when it comes to hydronic balancing. Hydronic balancing ensures an efficient heat supply in a heating system and makes a significant contribution to cost savings. What exactly does this mean?

Heat distribution in building technology depends on many different factors: How close are you to the main manifold? What output does the pump have? Which valves and regulators are in operation? Have the settings of the individual valves been adjusted correctly? How many end users are there?...

Apart from the technical skills of the experts during planning and installation, there is another important point that

influences the heat supply in the individual parts of the system: The end user.

What influence does the end user have on the heat distribution?

The different room temperature requirements of the individual consumers have a direct influence on the uniform, or rather, the required supply of heat in all parts of the system. These differences lead to fluctuations in the flow and pressure conditions in the system. As a result, not every end consumer receives the required and desired amount of heat. It is a well-known fact that the heating medium in heating systems follows the path of least resistance. The resulting prob-

lems are familiar to installers and property developers: 'The heating doesn't work' or 'There are noises coming from the radiator.' calls from end users.

It would be great if...

... there would be a product that could react automatically to changing flow and pressure conditions.

... a product could supply all parts of the system with the required amount of heat.

... a product with a single setting and simple installation could compensate for external pressure fluctuations within the differential pressure range.

HERZ has the solution

There is no room for the subjunctive at HERZ. HERZ Pressure independent control valve is the product that anticipates these wishes. Over the last few years, HERZ has fulfilled the requirements of planners, installers and users with extensive product innovations with the introduction of the HERZ Pressure independent control valve. Simplified design, high comfort and the best possible energy efficiency are the results.

The functionalities of several valves are combined in the housing of the HERZ Pressure independent control valve. Control valve, regulating valve, differential pressure controller, isolation valve and measuring orifice are combined to save costs and space. Simple operation with setting of the desired flow rate as a percentage of the maximum flow rate also saves commissioning time.

The functionality

The combination valve can be used in all pump-operated heating and cooling systems. External pressure fluctuations are equalised within the differential pressure range, making the combination valve independent of differential pressure. The valve automatically limits the volume

flow in the selected system section to the set value by detecting and compensating for all pressure fluctuations. This means that no measurements are required and the control is effective under all operating conditions.

HERZ Pressure independent control valve SMART 4406 / 4206

The geometry of the housing of the HERZ Pressure independent control valve SMART with article number 4406 or 4206, which is cast from dezincification-resistant brass, has been optimised for both water flow and casting quality. With larger flow rates, this results in only minor additional pressure losses in the housing and the set pressure is kept at a low level. At the same time, favourable casting conditions are achieved, ensuring a high quality of the housing. With a maximum operating pressure of up to 25 bar, HERZ Pressure independent control valve SMART is available in the dimensions DN 15 to DN 20.

Flange version F 4006

HERZ is one of the few leading manufacturers to develop and produce large Pressure Independent Control Valves with flanged connections. A sophisti-



HERZ Pressure independent control valve in flange

cated design with a robust diaphragm, generously dimensioned and precisely machined control parts and full pressure relief ensures precise flow control and stable set pressures. The flanged version of the product also has three measuring valves. The flanged version is available with a maximum operating pressure of up to 16 bar in the dimensions DN 50 to DN 250. ☑

HerzCON

Direct connection for heating and cooling

The internationally successful HerzCON model is characterised by its particularly compact design and easy access to all service functions as a direct connection. The integrated pressure independent control valve keeps the volume flow constant by regulating pressure fluctuations, ensuring that all system components are supplied with the required amount of energy at all times.

ADVANTAGES

- ☑ Direct connection for fan coils and other heating and cooling devices
- ☑ Models in DN 15 to DN 32 cover a flow rate range of 20 - 2500 l/h
- ☑ Compact design; all components easily accessible; Base area of the insulation shell only 18 x 18 cm for DN 15 - DN 20
- ☑ Third measuring point for direct flow measurement
- ☑ Backflushing the strainer basket without having to remove it





State Vocational College Bregenz 2 at the Brennpunkt° heating museum in Vienna.

Photo: HERZ

WEST MEETS EAST

STATE VOCATIONAL COLLEGE BREGENZ 2 IN VIENNA

HERZ has long recognised how important it is to establish a link to education at an early age. At a time when the importance of qualified specialists is becoming ever more apparent and the search for them has become a challenge, HERZ continues to be actively involved in making the plumbing profession more attractive to schoolchildren. After all, as Johann Wolfgang von Goethe once said: 'It is not enough to know, one must also apply. It is not enough to want, you must also do.' With the clear aim of strengthening the expertise of future installers, HERZ regularly invites schools from all over Austria to its headquarters to give them an insight into the world of heating and cooling systems and their intricacies.

The hot start in Vienna - The Brennpunkt° Museum

State Vocational College Bregenz 2 organised a 6-day excursion across Austria as the crowning glory of the four-year vocational school visit. In order to make the State Vocational College Bregenz 2 reception in Vienna exciting and informative, the students were first welcomed by Gerhard Glinzerer at the hottest museum in Vienna - the Brennpunkt°. Hannes Morocutti and Josef Lehmann, two experts in the history of heating and the city of Vienna, opened the doors to a new understanding of heating culture for the students. But anyone who thought museum tours were dry as dust was very much mistaken. This unbeatable duo brought a real cabaret atmosphere into the room with their humorous presen-

tation. A guided tour full of insights and laughs - the duo know exactly how to make history fun.

Melting moments

The route continued to Richard-Strauss-Straße 22 to HERZ. Before the theo-

retical and practical part started, the students were given a tour of the HERZ production facility. They were also allowed to dip the mould itself into the 900°C brass alloy to cast their own memento.

'The highlight for the students at every training course is the casting,' says



Knowledge transfer in motion: The "Vorarlberg-Muscle strength" produces hot water under the motivating guidance of Hannes Morocutti.

Patrick Rajkovats, HERZ application technology employee, who has been running the training courses at HERZ for years. He himself graduated from Higher Technical College Pinkafeld and knows exactly what to look out for. 'I learnt a lot at school. It gives you an overall impression of how something works from A-Z. But the world of work taught me what the valve really does and how it reacts to changes in the system,' says Rajkovats, summarising the training courses as follows: 'At school, the students learn how to assemble the hydraulic system. We show them how to make it work.'

The sweet end: Zotter Chocolates

The experience in Vienna was rounded off with a guided tour of the city. The next day, State Vocational College Bregenz 2 travelled to Pinkafeld to HERZ Energietechnik, where they were given a tour of the plant and a practical introduction to biomass systems. As a sweet bonus, they were then given a chocolate tour at HERZ customer Zotter Chocolates.

HERZ training for the shapers of tomorrow

With the growing labour shortage, it is crucial for companies like HERZ to recognise and act on their responsibilities. By working closely with schools, HERZ is not only making a significant contribution to training the next generation, but also inspiring talented young people into the industry, which is crucial for the future of the sector. 'In schools, resources are limited, especially when it comes to building services engineering, it's difficult to make this subject palatable to pupils,' says Rajkovats. Despite state support,



Tangible reality: State Vocational College Bregenz 2 pupils casting their own memento.

the schools' ability to impart knowledge is limited. External organisations and companies such as HERZ are therefore indispensable partners in ensuring a varied and practice-oriented education. Because only together can the challenges of tomorrow be mastered and a successful future secured for everyone.

Practical training for hands-on education

At HERZ, practical training courses take centre stage. The training courses include a detailed explanation of the theory using real practical examples. But that's not all: HERZ also opens the doors of its factory for a tour so that the students can experience the production process at first hand. This gives their training a tangible dimension and provides a deeper understanding of the processes in the industry. 'The first physical contact with the moulds is another highlight for the students. From mould making to raw materials: at HERZ, the students see the entire development of the valve. In other

words, what they previously only saw on paper,' says Rajkovats.

Knowledge and skills are the basis for a successful professional life. It is important to HERZ to make a contribution to a successful professional life for the next generation of plumbers. ☑



Patrick Rajkovats (right) on a tour of the HERZ factory with the pupils.

THE HEART OF HEATING - HYDRAULIC BALANCING

BY PROF. RUDOLF
JAUSCHOWETZ

From the correct planning and design of the hydraulics to the methods of hydraulic balancing, formulas as



well as practical examples and product recommendations for the best possible solution - in the 3rd edition of 'The Heart of Heating - Hydraulic Balancing' by Prof. Dipl. Ing. Rudolf Jauschowitz, students, practitioners and technicians will find what they are looking for in the technical literature.

The book is available free of charge in 13 different languages from HERZ by e-mail at herznews@herz.eu.



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