

TECE NEWS

EDITION 01 / 2017

ISH 2017 innovations

TECEone shower toilet

TECEdrainprofile shower profile

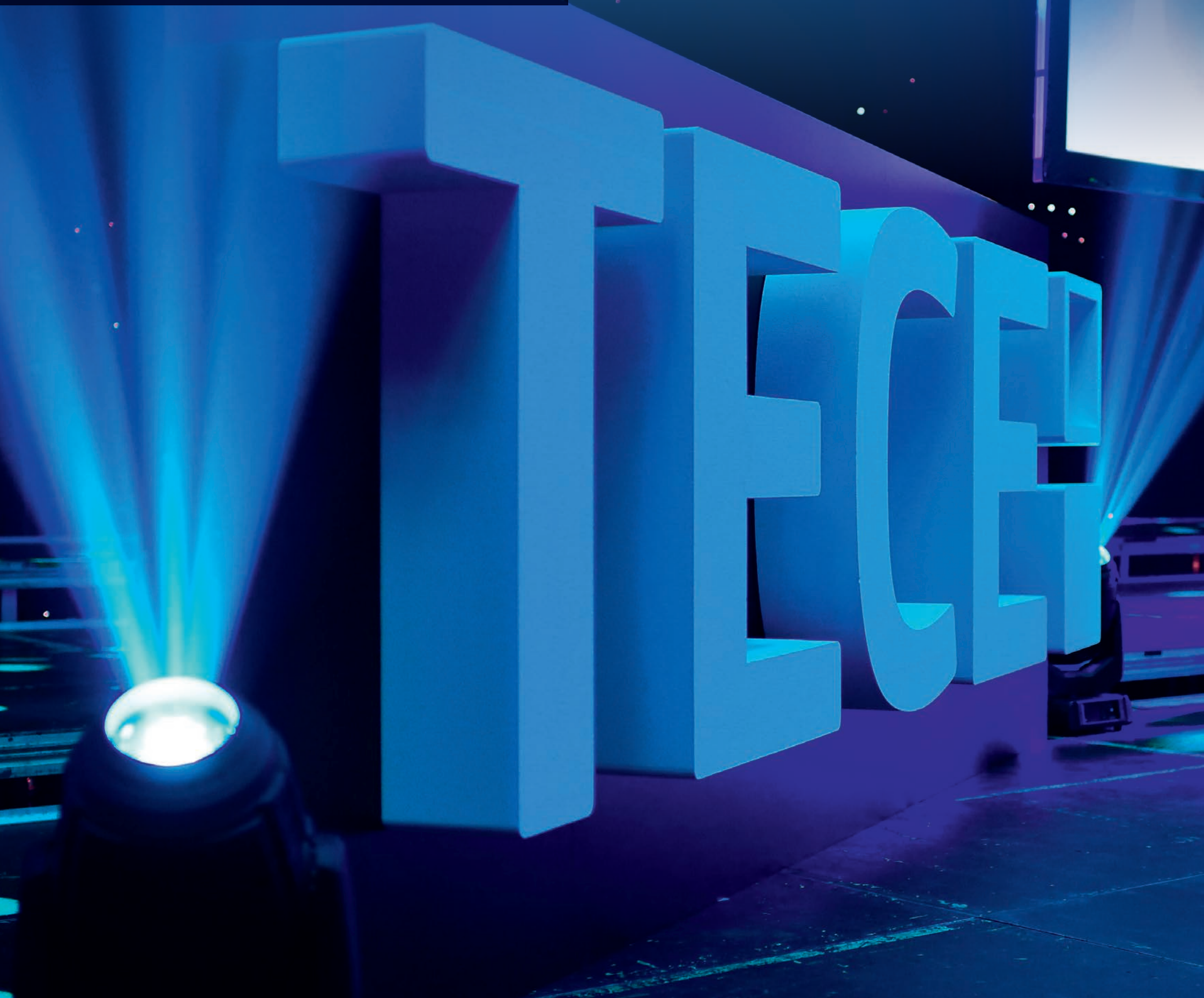
Design RTL Box

brand + claim

TECE gets “close to you”

30 years of TECE + brand concept

**Interview with Hans-Joachim
Sahlmann and Petra Bischof**





“THE CLAIM MAY WELL BE NEW, BUT WE’VE BEEN LIVING THE MESSAGE FOR A LONG TIME.”

Dear Sir/Madam,

This year, TECE is celebrating its 30th anniversary. Our company developed from modest beginnings out of a passion for engineering, always asking the question: Can we do it better, more attractively, more easily?

Demands for products and services are increasing – and will continue to do so. The time came to respond to these new challenges and to analyse our DNA – our genetic substance – and adjust ourselves accordingly.

We are driven forward by closeness to customers and by the culture of asking questions – indeed, by curiosity itself. Only curiosity breeds innovation. This has been our philosophy for a long time, and now, our new brand claim, “close to you”, succinctly sums up the way we work.

Let me use the example of our new shower toilet to explain this further: TECEone is a product concept that has been completely rethought, driven by our curiosity and our desire to work closely with our customers. For a start, this version of the shower toilet has no power supply. Studies show that this is exactly what the market is demanding. The advantage (and “close to you” factor) of this: Towards the middle of the year, you will finally be getting an inexpensive shower toilet with sustainable, proven technology that the industry itself can handle and which does not require electronics or software updates. In a recent test performed at Esslingen Technical College by order of the trade journal, SBZ, TECEone excelled with excellent performance data despite being a newcomer and despite the fact that we use alternative technology.

We had postponed the market launch of TECEone. We had come to the conclusion that delivery problems or even complaints would be worse for you and for our distribution channel than an unsold bathroom or a bathroom only equipped for TECEone. Like retailers and tradesmen, we sell systems and solutions – not problems. It was not easy for me to make this decision as, of course, we don’t make a living from sacrifice but from sales. However, the decision was definitely the right one, not least in light of our new brand statement.

By this I mean that:

1. We have now got to the stage where we expect to be fully capable of delivering TECEone in the second half of the year. Good design for a fair price: The product is ready, as is the market – and the market launch is long overdue as the SBZ test shows.
2. An essential component of our “close to you” claim is our commitment to staying by your side. Take our word for it – we want to be measured by this.

Many thanks for your interest and I hope you have a great time at the trade fair. Best regards,



Hans-Joachim Sahlmann



Hans-Joachim Sahlmann

THE TECE BRAND

The ISH trade fair coincides with the company's 30th anniversary in 2017. To celebrate 30 years of existence, TECE has developed a new brand image: the new design visually incorporates our defined brand values, intended to attract customers, markets and employees. TECE has identified its DNA: What will the company stand for in the future? Where will the brand lead us? The TECEnews editorial staff talked to Managing Director, Hans-Joachim Sahlmann and Head of Marketing, Petra Bischof, behind the scenes of the first brand presentation to company employees and guests.

Giving an interview:
Hans-Joachim Sahlmann and Petra Bischof.





» A brand is the distillate of everything that makes up a business. «

Hans-Joachim Sahlmann

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1 Full house: Hans-Joachim Sahlmann explains the corporate culture.

2 Head of Marketing, Petra Bischof: With the “close to you” claim, the company declares its intention to work in close contact with its customers.

2

Herr Sahlmann – is everything at ISH new?

Hans-Joachim Sahlmann: No. Of course not. TECE is still TECE. However, we are continuing to develop. To do so, we first need to examine what we have done well in the past and where we currently stand. We’re not altering our DNA. You can’t do that to genetic material. Over the past 30 years, TECE has undergone impressive development. We see this of course because we have always been involved in the process – however, our customers, the industry and media observers also confirm that this is the case. Let’s not forget: We have lost our company founder and managing director. Thomas Fehlings was not just the owner, but also our captain and compass. As his long-time fellow companion, I have made it my absolute personal commitment to keep a record of, and update, the DNA that has made us successful.

Petra Bischof: If I may give an outside perspective as a relative newcomer to the company... I got to know TECE as an extremely punchy, creative and future-oriented company. But rapid growth must be finely adjusted time and again, and customer contact must be continuously optimised. That is: with words and deeds that point to the future.

What is the new “close to you” claim telling us?

Petra Bischof: Of course, it’s always about the customer and you, that is the industry, the people with whom we do business and to whom we devote our products. TECE is, and always has been, a company closely aligned to customer requirements. Otherwise we wouldn’t be where we are today.

Does the claim have to be in English?

Petra Bischof: We wanted something consistent. And today, Tece is an international group in which many nations come together. We are sure that our customers will understand the claim. Obviously, the message behind a brand is only ever as good as the way it is experienced. Customers must experience “close to you”, then they’ll understand what we mean without the need for words.

Hans-Joachim Sahlmann: Being close to customers is nothing new for us. Thomas Fehlings got right to the heart of the issue. He came from an engineering family and cultivated a culture of asking questions: “Can we do it better, more attractively, more easily?” This way of thinking turned TECE into an inquisitive company, driven by ideas and innovation. Time and again, we present our customers unexpected solutions. However, we don’t just ask our customers questions, we also work very closely alongside them. If you want to develop a good cistern, you need to be there to see how the tradesman gets on with installing or repairing the most successful cistern on the market. You need to see what works well and where something can be improved.

Petra Bischof: “Close to you” goes even further. We are committed to standing by our customers. And when you make such a pledge, you should be measured by your ability to fulfil it. The psychology involved is an important factor. Being close to the customer has made us successful for an entire generation – and will continue to be our guiding principle in the future.



Powerfully and passionately: Hans-Joachim Sahlmann explains the new brand claim.

Could you give us an example of what that will look like in practice?

Hans-Joachim Sahlmann: We talked upfront to the people that we work for: customers, planners, architects, real estate investors and, last but not least, the tradesmen. We asked them where they see us and what they expect from us. Architects, bathroom designers and end customers expect us to provide them with freedom in design. What's important here are the inspirational ideas that can enhance bathroom architecture with a pre-wall installation or an elegant flush plate, for example. For this group, these design elements are far more important than the cistern behind them which must also be functional.

Planners and property developers expect us to provide them with support throughout the planning process – and assistance with project-specific procedures. That's a completely different matter altogether. It means: we must be efficient and available when needed. Stick to deadlines and commitments. And deliver safety in terms of fire safety, reliable sound insulation and compliance to the relevant standards.

And our processors – that's the people at the building sites – require products and solutions which enable installation and assembly without any hassle. This could be pipe systems or in-door modular grease separators. During the development of products, we must talk to the people who are later involved in assembling and putting them together. People simply want to be able to work with our products without any stress.

Petra Bischof: We have worked out policies and formulated messages for each of these customer groups. And each product and service that we offer will be measured by this. Gaining insight: Customers expect expertise

from us, firstly: in design and creation, secondly: in project and planning, and thirdly in installation and assembly. Our systems, products and services are fit and able in these three fields of competence.

Today, on the stage in front of 500 company employees and guests, you described this market development as a process that has taken almost two years to complete. How do you justify this major time investment?

Hans-Joachim Sahlmann: A brand is the distillate of everything that makes up a business. That might sound a bit informal, but I'm from Munster and the analogy with Schnapps gets the point across quite nicely. The spirit and soul that can be found in good strong liquor is representative of the excellent work of the distillers. Having gone through this process, we now know better than ever before what we are capable of, and where we need to improve. We have defined the very spirit of TECE.

» We have carved out fields of competence – that demonstrate our strengths to our customers. «

Petra Bischof

Petra Bischof: We have strengthened our self-image and are committed to working closely with our customers. But the new logo, the claim and the insight we have gained must lead to a customer- and market-focused posture. That's our aim. That's the aim of any company that tackles this difficult subject.

C is for curiosity.
Being inquisitive.

Innovation (lat.: innovare):
Regeneration, reformation, progress.
Creativity and ideas, that drive us
forwards.

CLOSE TO YOU

CLOSE is: nearby, adjacent:
Closeness

our customers!

- Planners
- Architects
- Retailers
- Tradesmen
- Property developers
- and also users /
end customers



"Close to you" explained
with pen and paper.

30 YEARS OF TECE – THE CHANGING LOGO OVER THE YEARS

1987

TC
THERMCONCEPT

1999

TC

2005

TECE
Intelligente Haustechnik

2017

TECE
close to you

The changing logo over the years: From TC (Thermconcept), TC became
TECE "Intelligent housing technology" and now TECE "close to you".

TARGET GROUPS ALIGNED WITH OUR STRENGTHS

TECE's fields of competence are the key elements of the brand concept. Capitalising on these strengths, TECE defines itself as an innovator in sanitary installation technology. Out of closeness to markets, people and technology arises a deep understanding for the world that our customers inhabit and their needs. Aim: Create added value for customers through well-thought-out systems and solutions. Take, for example, the new company brochures.

DESIGN & CREATION

Freedom in design: The functional and aesthetic demands on bathrooms are increasing in all living spaces – private homes, the housing sector and hotels. That's why freedom in design is more important than ever.

PROJECT & PLANNING

Reliability in project business: Planners can implement projects on schedule, cost-efficient and in line with legal requirements.



INSTALLATION & ASSEMBLY

Straightforward, stress-free work: The work of fitters is extremely complex – a demanding daily workload and various guidelines, standards and laws make sure of that. Three elements help to make life easier in this area: well-thought-out products, excellent quality and a direct on-site service.

Ask for the new free-of-charge company brochures shown here by writing to international-business@tece.de.

NEW WEBSITE: CONCENTRATED ONLINE ADVANTAGE

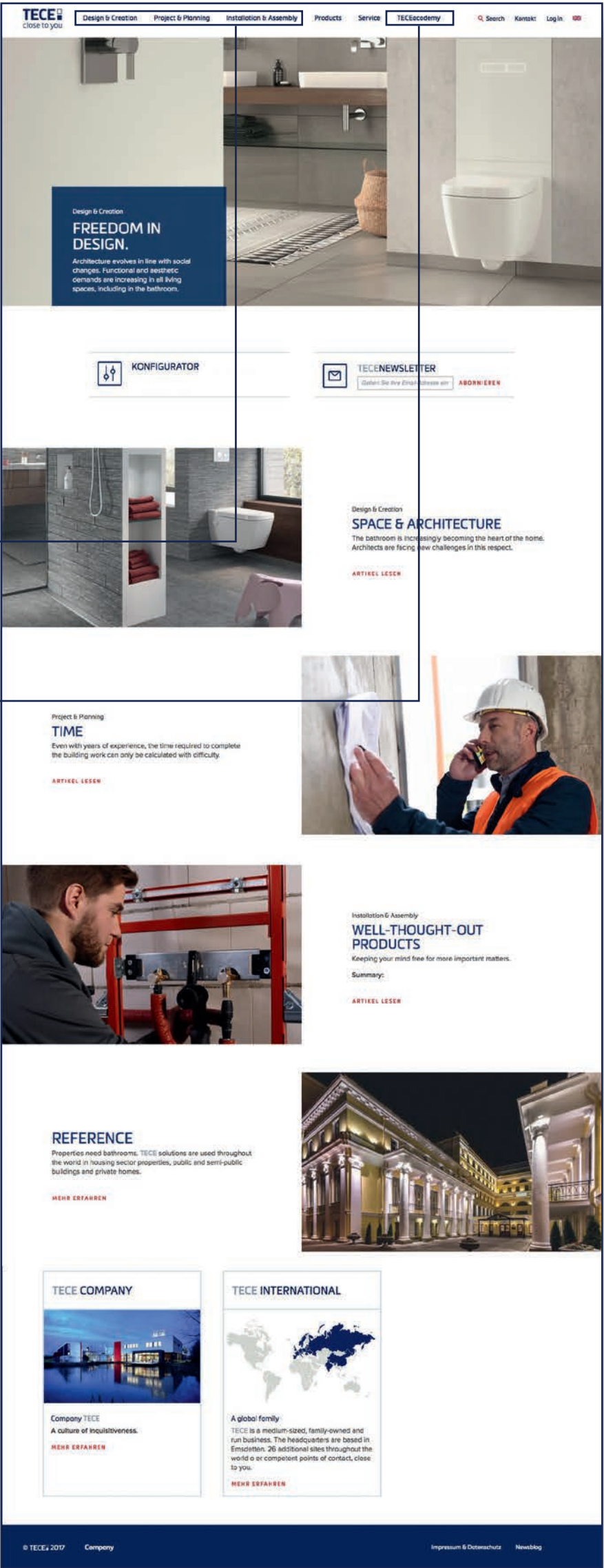
A well-thought-out brand concept naturally also requires a newly designed website. Currently under development, our new website will clearly be geared towards our fields of competence: Architects, planners or tradesmen – each target group will intuitively be able to find content that is relevant to them.

Browsing: The TECE range clearly divided into fields of competence.

TECE Academy: Seminars, training courses and further training opportunities for architects, retailers and tradesmen.

TECE IN DETAIL: THE PRODUCT DATABASE

As a completely new feature, TECE now offers customers and potential customers access to a comprehensive product database. Here you can easily access detailed information about all our products: price lists, product photos, drawings and much more.





Participation at the ISH 2017

CLOSE TO YOU – TOO AS AN EXHIBITION STAND

Structure is everything: TECE also presents its new brand image at the ISH. In the same way as the brand concept, the ISH exhibition stand is also divided into three sections representing the company's core fields of competence.

1

Design & Creation
Freedom in design

From TECEone and flush plates to shower channels: Here, visitors discover the design options offered by TECE. Experiencing design freedom: Designs and materials for customised bathrooms, to meet every requirement.

2

Installation & Assembly
Straightforward, stress-free work

Every day work on construction sites is tough enough: Clever products facilitate the fitter's work while helping to save valuable construction time. The focus is not only on sophistication; quality standards are always given top priority too.

3

Project & Planning
Reliability in project business

On the safe side right from the start: TECE's system concept starts at the project planning stage. Here, the visitor is shown tools used to perform planning efficiently, quickly and in line with standards.

SO THAT COLD WATER REMAINS HYGIENICALLY COOL

The TECE Hygiene Box thermally decouples the warm water circulation line from the fitting connection, and reliably prevents heat from being transferred via the fittings to the cold water side. Made up of prefabricated components, it prevents the cold water from being inadmissible heated.

To develop the Hygiene Box, TECE looked at installation variants where the circulation lines run above the tap connection. The fitting is supplied by a short stub line running vertically downwards. After the tapping process, under appropriate conditions, thermal stratification takes place in the stub line, reducing heat exchange to the fittings. This depends on the length, diameter and material used for the stub line. If this is too short, heat

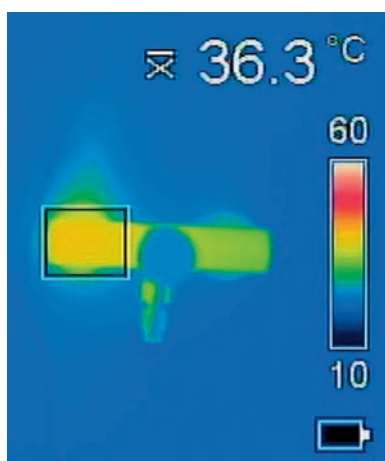
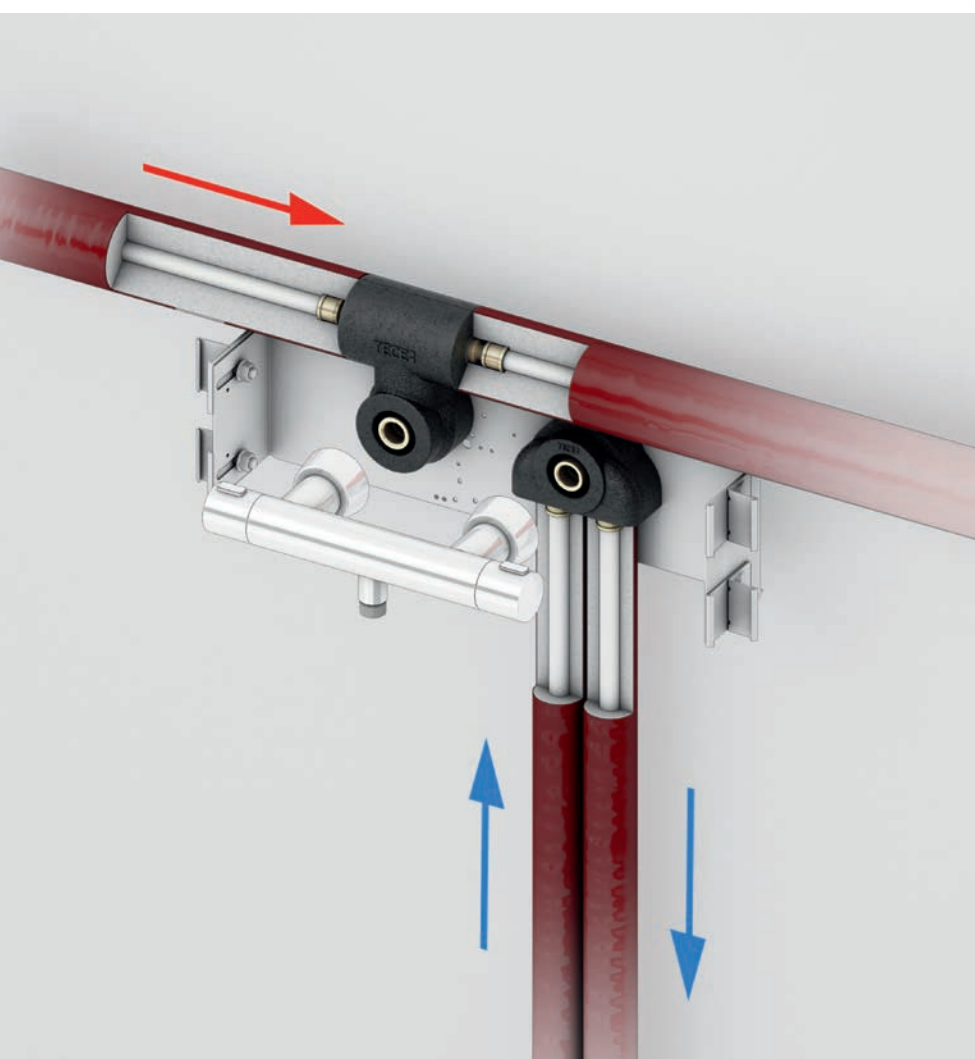
is still transferred via the fitting to the cold water side. A long stub line will reduce heat exchange but bears the risk of stagnation.

Thermally decoupled cold water side

The ready-to-connect Hygiene Box produced by TECE as a result of optimising the process, provides a practical solution to the problem. It guides the warm water pipe above the warm water wall disk. In this short, vertical connection piece between the wall disk and the circulation line, stable thermal stratification is created, resulting in thermal decoupling of the warm water pipe and the tap connection. This prevents inadmissible heating of the cold water side, so the fitter is sure not to get any complaints.

The insulated, ready-to-connect TECE Hygiene Box is available by itself for the warm water connection, as an assembly unit with a double wall disk for the cold water connection, and as a sanitary module for the TECEprofil dry-wall system. Ready for supply as of April 2017.

More about the TECE Hygiene Box is available at www.tece.com



The TECE Hygiene Box enables quick and easy thermal decoupling of the cold water. Below: Two thermal images taken about 45 minutes after the end of the tapping process – left image: installation of the circulation line and right, with the Hygiene Box. It cools down the fitting, guaranteeing optimum drinking water hygiene.



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ISH innovation: TECEdrainprofile

AESTHETICALLY PLEASING, PRACTICAL, NICHE RECESSED, THE SHOWER PROFILE BY TECE

The innovative TECEdrainprofile shower profile facilitates simple recessed mounting of the drainage system across the entire shower space width. This facilitates mounting and sealing for the tradesman.



2

In typical cases, a piece of tile is cut down to size and fitted in place to cover the gap between the standard dimension shower channel and the sides of the shower area. This spoils the visual appearance of the tile back slash, particularly in the case of modern, large-format tiles. With the new TECEdrainprofile, TECE introduces a solution which allows simple adaptation right into the edges of the shower area, as the stainless steel profile can be quickly and precisely cut to length. This reduces the building process, saves money and gives the shower area an aesthetically pleasing overall look.

A simple modular solution – safe sealing

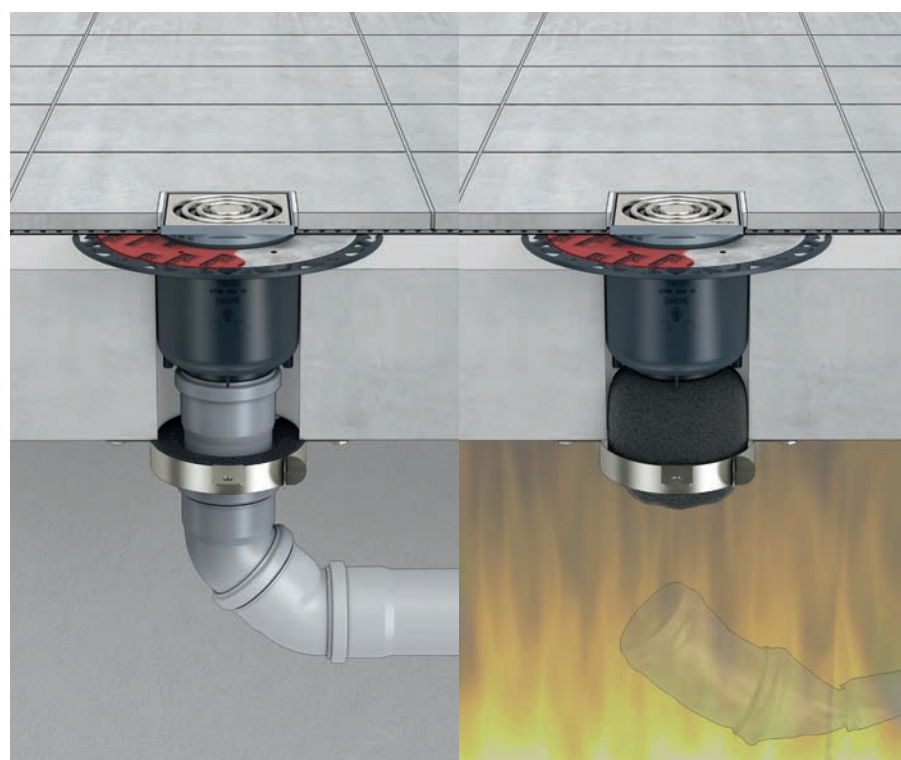
The TECEdrainprofile consists of a clear, easy-to-understand module which contains just a few components: a shower profile, a drain and accessories. The drain can be height-adjusted and is set-up in such a way that it fits flush with the surface of the screed, so that no obstructive elements get in the way during trowelling. This makes creating an even screed surface with a gradient really easy. The flexible Seal System sealing collar ensures additional sealing safety. The collar clicks right into the drain and is then integrated into the surface sealing. A water-tight connection is therefore guaranteed, and there is no need to glue the seal to the flange as has been customary up to now. Finally, the profile is inserted and can be easily laid on the screed like a tile. Simple height-adjustment allows adaptation to different tile thicknesses. The profile is available in brushed or high-gloss stainless steel and in lengths of 800, 900, 1000 and 1200 millimetres. For flush adjustment to the width of the shower area, the installation technician or floor tiler can fit it simply and precisely on site. The assembly solution also allows subsequent fine positioning of the shower profile in all horizontal directions and via rotation.

Convenient cleaning for perfect hygiene

The shower profile, made of hygienic stainless steel, features an inner 3D gradient that optimises water drainage. The drain is set in the centre of the profile, offering very easy access. The profile lid can be lifted up via a special “push function” with a targeted press of the finger, and can be removed without requiring any additional accessories. Removing the grate to clean shower channels is now a thing of the past. The odour trap can also be removed for cleaning without any tools, thus enabling use of a pipe cleaning cable if necessary.

¹ TECEdrainprofile can be installed niche recessed across the entire shower space width. An aesthetically pleasing overall look is achieved – especially with large-format tiles.

² Various installation options can be implemented with the modular solution – at the wall, next to the wall or in the middle of the room.



The new fire protection sleeve is mounted to the ceiling from below. In the event of fire, the intumescent material expands and closes the drain, safely protecting it from fire and smoke.

TECEdrainpoint S

FIRE PROTECTION SET EXPANDED

TECE enhances the FireStop fire protection set for the TECEdrainpoint S point drainage with two sleeves for the drain sizes DN 70 and DN 100. Unlike the DN 50 variants, the sleeves are not installed in the ceiling structure but screwed directly under the ceiling.

The fire protection sleeves consist of housing containing a multilayer structure of intumescent materials. As soon as the temperature starts to increase as a result of a fire, the material foams up. The released foaming pressure is so high that it compresses the drain nozzles, permanently sealing them and preventing the spread of fire and smoke. The FireStop fire protection set has been tested in accordance with DIN EN 13501 for fire resistance classes EI 90 and 120 in combination with PP-HT plastic pipes according to EN 1451.

The sleeves come in DN 90 and DN 110 dimensions and are designed for the TECEdrainpoint DN 70 and DN 100 drains. Unlike the fire-resistant sealing for the DN 50 drain, the sleeves, which have an installation height of only 26.6 millimetres, are not installed in the ceiling structure but are fastened under the ceiling. Backfilling of the penetration is therefore not required which means that the installation is quick and simple.



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Shower toilet test at Esslingen Technical College

TECEone – CONVINCING PERFORMANCE IN THE COMPARISON TEST

After a product history of half a century, it's time to think about how to improve the shower toilet, how to make it easier to use and more aesthetically pleasing. TECEone is a paradigm shift – a shower toilet that does not require electricity and is supplied with fresh warm water from the mains. A product test just before the ISH: By order of the trade journal, SBZ, Esslingen Technical College tested ten shower toilets, and the TECE scored the best results in virtually all areas. No power supply? It works! It really works!

Shower toilets need power! But do they really? TECEone represents a shift in the paradigm stipulated by the 1956 inventor of the shower toilet: the Swiss inventor, Hans Maurer, was an office machinery technician – electricity was a new thing at the time and there was no alternative as far as he was concerned. This way of thinking has remained unchallenged for 50 years. However, there are other ways: With deliberate focus on the core function, hygiene, TECEone proved itself in the comparison test.

The best shower toilets came up against each other in the Swabian town of Esslingen. Under the scientific leadership of Professor Hans Messerschmid from the "Building, Energy, Environment" faculty, the



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products were examined by order of the trade journal, SBZ and its editor-in-chief, Dennis Jäger. Seven disciplines were stipulated – inspired by the standard currently being developed: The temperature of the warm water at the nozzle outlet, the temperature distribution of the heated toilet seat, the drying rate of the warm air dryer, the energy requirement for electricity, the water volume flow rate from the nozzle and the two core disciplines: “cleaning effect of the shower nozzle” and “self-cleaning effect of the shower”.

» Shower toilets will be easier to use, more hygienic and longer-lasting in the future. And all that at an attractive price. «

Martin Krabbe

Our main investigations focus on user expectations – and users are demanding hygiene and cleanliness for their bottoms! Example of the shower nozzle: The extended shower arms on all models are cleaned before and after use by rinsing them all over. For the test, lines were marked with a felt-tip pen and then attempts were made to get them clean using the built-in hygiene flush. This test is included in the future standard. TECEone and five other toilets passed the test; however, four toilet shower brands showed traces of “contamination”.

For the first time, the cleaning effect of the products was also tested – three different “bottom simulators” made of Plexiglass were coated with mustard and miso paste and then placed on the shower toilet. The Technical College’s findings: If you consider cleaning efficiency on its own, large volumes of water cannot currently be replaced by anything else. In terms of volume flow, TECEone is in a class of its own at the top – and this is translated into it gaining top scores in terms of cleaning efficiency.

» Our customers want products that they can control. «

Martin Krabbe

TECE’s Development Manager, Martin Krabbe, points out that with the product, TECE is taking a different approach while placing its trust in proven technology: “The thermostatic mixer and cartridges are robust components which have proven their worth over many years. Every fitter is familiar with them. When correctly implemented, a fantastic shower toilet can be built with them.” The manufacturer announces that it expects the new product to be ready for supply by the middle of the year, and the tests confirm this. Mr. Krabbe: “Shower toilets will be easier to use, more affordable, more hygienic and longer-lasting in the future.”

3



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1 TECEone takes a different approach: The toilet with shower function was tested alongside ten other models.

2 Shower toilet test by order of SBZ at Esslingen Technical College: Professionals from the industry find out about the test procedures and results at a hearing.

3 Investigating cleaning performance: Testing TECEone. The Plexiglass perforated plate is coated with standard, medium hot mustard before being cleaned.

4 TECEone (centre) sits compact und elegant between its rivals.

All photos: SBZ/www.sbz-online.de

TECEone

THE TESTS AND TEST RESULTS

Temperature of warm water at nozzle outlet:

Time taken to reach maximum temperature	2 seconds (best score)
Time taken to reach minimum temperature	2 seconds (second best score)
Water volume flow rate from nozzle (max)	5.6 litres/minute (largest volume)

Cleaning action of shower nozzle:

3 mm perforated plate coated with mustard	best score at minimum pressure
8 mm perforated plate coated with mustard	third place at maximum pressure
Cavity with miso paste (normal jet)	clean in one second (best score at max. pressure)

Self-cleaning of nozzle:	clean (like 6 out of 10 of the models)
Temperature distribution of heated toilet seat:	not tested
Drying rate of dryer:	not tested
Energy requirement for electricity:	none

Source: Esslingen Technical College/shower toilet test by order of the journal, SBZ/version of 02/2017

ISH innovation: TECEfilo

URINAL ELECTRONICS THAT ALWAYS FIT

The cover plate design of the new TECEfilo urinal electronics matches many toilet flush plates from the TECE range. The plates are available in stainless steel, glass and plastic. The electronics are equipped with an infra-red sensor that detects the user, and automatically triggers flushing. Programmable special functions ensure hygienic and energy-saving flushing.

A vertical line on a rectangle: The cover plate design of the new TECEfilo urinal electronics is purposely minimalist. It's available in glass, plastic or stainless steel with an anti-fingerprint coating, and is visually harmonised with most of the other TECE flush plates. No matter which version, TECEfilo fits very flat on the wall with a maximum projection of seven millimetres (glass). For a completely flush integration into the architecture, the glass and plastic versions can be effortlessly installed in the wall with a separately available installation frame.

TECEfilo features special functions such as an adjustable pre-flush, hygienic intermittent flushing and a pause function which automatically reduces flush volumes if the interval between use is less than two minutes.

TECEfilo is available in a choice of stainless steel, glass or plastic, and visually matches the existing TECE flush plate ranges.



ISH innovation: TECEnow

URINAL VARIANT ADDED TO TOILET FLUSH PLATE SERIES

TECEnow is the toilet flush plate for the standard segment, characterised by a minimalist, elegant design. TECE is now enhancing the series with a manual urinal flush plate.



Thanks to its functional, plain design, defined edges and its particularly low height of only five millimetres, the new TECEnow urinal flush plate is a solution that integrates harmoniously into different bathroom architectures. It looks like an expensive designer piece but is actually a plastic plate from the standard segment. Like all TECE flush plates, TECEnow will win you over with its haptic design that conveys a particular high-quality feeling. The TECEnow urinal flush plate dimensions are 104 x 124 millimetres. It is available in white or black as well as with your choice of a matt or shiny chrome surface.

Democratic design also works well in quality bathrooms – without being expensive: The new TECEnow manual urinal flush plate.

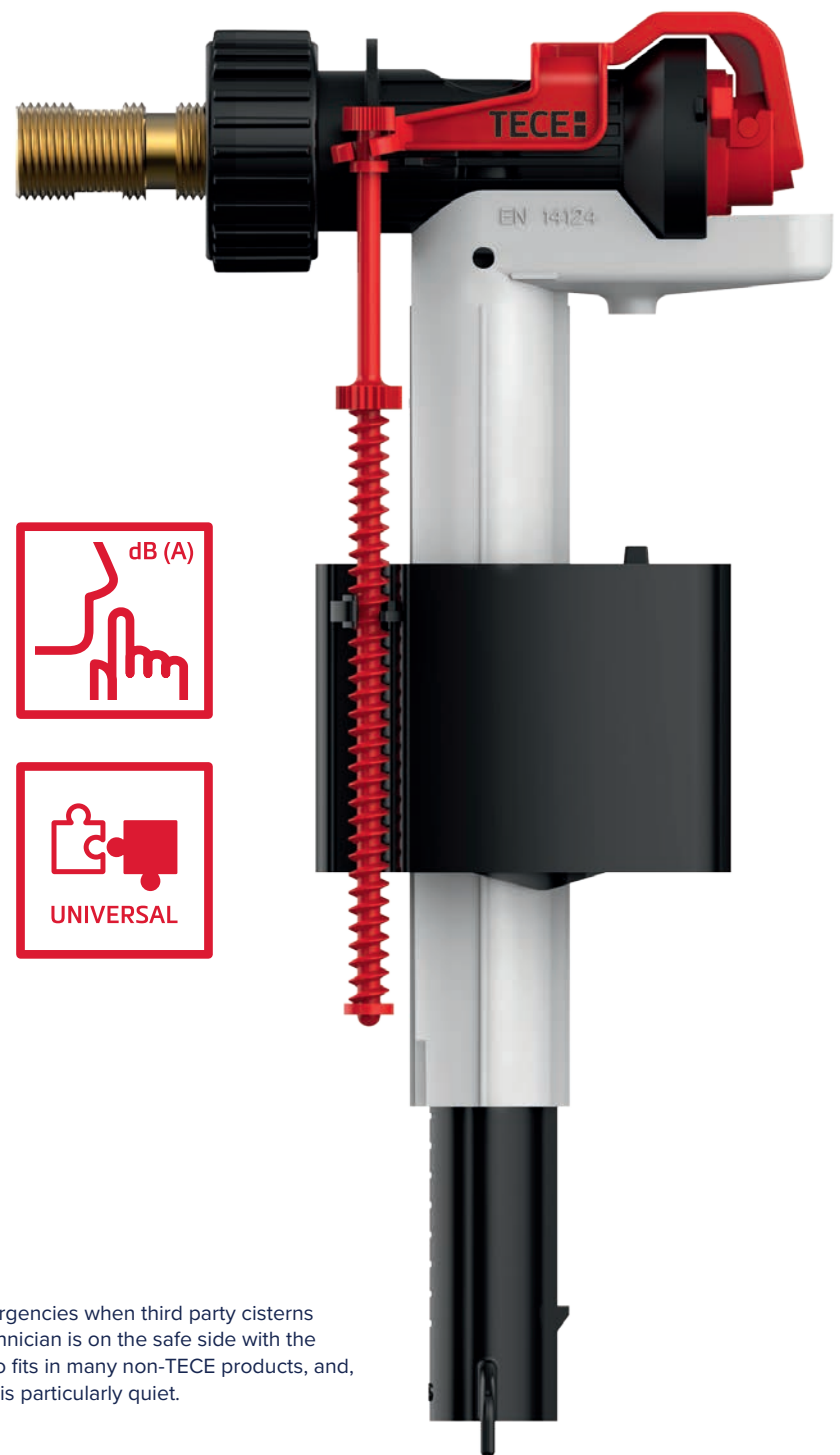
Filling valve F 10 – always fits!

THE UNIVERSAL VALVE FOR CLEVER SERVICE TECHNICIANS

Equipped with the new TECE filling valve F 10, the installation technician is ready for anything: It not only fits every TECE cistern, but is also compatible with conventional third party cisterns.

If the cistern is faulty, the customer expects the problem to be resolved rapidly. If the source of the problem is a faulty filling valve, the F 10 by TECE is the right spare part for the installation technician in many cases. Thanks to the new filling valve, the technician does not need to go to the warehouse or wholesaler, and can help the customer quickly and competently. The compatibility of the new valve with most third party cisterns available on the market makes the F 10 a really practical and universal solution. Cleverly worked out: A suitability list printed on the packaging will tell the technician in which cisterns produced by which manufacturer the filling valve F 10 will fit. Additionally, the valve complies with the sound protection requirements of acoustic group I and fills the cistern very quietly.

A universal solution for emergencies when third party cisterns go on strike: the service technician is on the safe side with the TECE filling valve F 10. It also fits in many non-TECE products, and, in addition, the filling sound is particularly quiet.



Drain valve

SOUND INSULATION – COPIED FROM JET PLANES



Toilets without a flush rim are dominating the market due to their ease-of-cleaning and associated increase in hygiene. New designs and ceramic contours are always appearing. Accordingly, the demands on cisterns have also increased, as the rim design affects flushing and flush resistance. Consequently, sound effects or impact noises may occasionally be heard, emitted by the valve plate when the drain valve closes. For this reason, TECE has revised the time-tested drain valve with respect to sound insulation.

To optimise sound levels, it has applied a technical trick from the aviation industry. A chevron nozzle, similar to that of an aircraft turbine, has been fitted to optimise flow at the outlet. This ensures stable flow conditions and lower sound levels without slurping noises.

ISH innovation: TECEfloor RTL Box

THE RTL BOX WHICH DOESN'T NEED TO BE HIDDEN

With the new RTL Box, TECE launches a visually pleasing floor heating regulator with a real glass cover and an attractive aluminium dial. Thanks to its attractive design and compact dimensions, the box doesn't need to be hidden and can be installed in a user-friendly way at light switch height.

Conventional return temperature limiters (RTLs) are primarily purpose-designed. When developing the product, the design is often too short. Consequently, the RTLs are often placed at ground level, if possible in a concealed way, which does not exactly facilitate user-friendliness. TECE takes a different approach with the TECEfloor RTL Box, which looks really good! The seven-millimetre flat real glass cover is available in a choice of black or white. The thermostat dial made of anodised aluminium lends a high-quality look and feel. At a compact size of 104 x 124 millimetres, the box is up to 60 percent smaller than most competitors' products.

In practice, it often occurs with conventional RTL boxes that the thermostat dial protrudes a long way out of the wall, depending on the wall layout. Therefore, TECE has developed a mounting plate with a special depth adjustment system which helps to prevent this visual and dimensional shortcoming. The box can also be positioned at the usual light switch height. This avoids inconvenient operation involving stooping down to floor level.



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2

1 Conventional return temperature limiters tend to crawl at around floor level. In addition to inconvenient operation, this location is also unfavourable from a technical point of view because the temperature sensor is located close to the source of heat.

2 The TECEfloor Design RTL Box can be easily installed and neatly aligned at light switch height thanks to intelligent mounting technology.



TECEfloor wall thermostat

DESIGNER PIECE WITH A GLASS FRONT

TECE meets the highest design expectations, even where efficient individual room controls are concerned. The circular room thermostats with a minimalist design feature a real glass cover, available in black, white or orange. They can also be replaced at any time. They blend perfectly with the TECElux and TECEloop design series.

ISH innovation: TECEcompact cistern

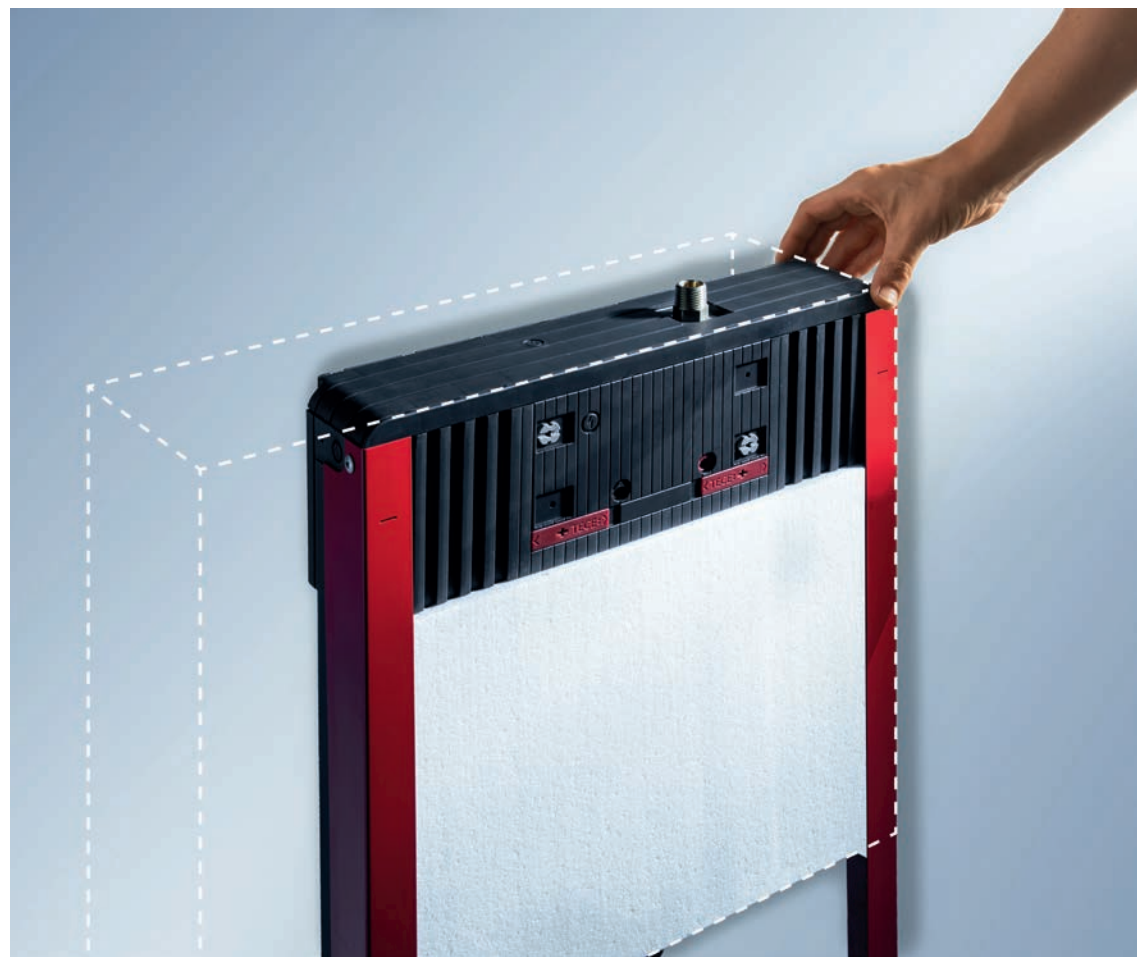
SMALL AND COMPACT IN THE WALL

TECEcompact is a new cistern offering tried and tested technology with a reduced design – the ideal solution for wall installation with special focus on using water more sparingly. Clever details facilitate installation and maintenance.

The TECEcompact cistern offers real added value with its small wall mount of just 85 millimetres. It is available in addition to the brick wall modules for stand-mounted and wall-hung WC ceramics for installation in a solid wall or for surface-mounting, and as a drywall module with a construction height of 1,080 millimetres. The latter is also suitable for space-saving mounting in the corner of a room. Like all other toilet modules made by TECE, the TECEcompact cistern also withstands loads of up to 400 kilograms.

The compact housing made of shock-resistant polypropylene holds 6.5 litres of water. Its variable dual-flush technology allows the flush volume to be adapted perfectly to different circumstances. This means that either water can be saved by using a lower flush volume, or that drains with a small diameter can be prevented from blocking up with a larger volume of water. The large flush is set to 6.0 litres. It can be optionally adjusted to 4, 4.5 or 4.8 litres with a slide control. The low flush volume of 3 litres always remains constant. Should the flush not work properly, the flushing pressure can be adjusted using a throttle set on different WC ceramics. By replacing the throttle ring in the valve seating, the flushing pressure can be reduced or increased.

Despite its condensed construction, all components can be easily removed and refitted thanks to the generously proportioned



The compact dimensions make TECEcompact the ideal solution for wall installation.

inspection opening. Sensitive parts are housed inside a polystyrene protection system in the structural work which protects the cistern from building site dirt. The system is mounted in the structural work in three easy steps: Firstly, insert the water connection nipple from the outside into the cover, and connect to the supply line. Then, push the stop cock from the inside and attach to the water connection nipple with a clip. Finally, insert the actuation mechanism into the tank, and the cistern is ready for use. TECEcompact is compatible with a wide range of manual TECE flush plates and will be available from summer 2017.

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With the new TECEprofil module, children's standing toilets can be installed without increased effort, despite a lower connection height.

ISH innovation: TECEprofil childrens module

SPECIAL TOILET MODULE FOR CHILDREN

TECE is presenting a new toilet module, especially designed for children's standing toilets. The cistern is installed at a lower level so that small children can easily reach the flush as well.

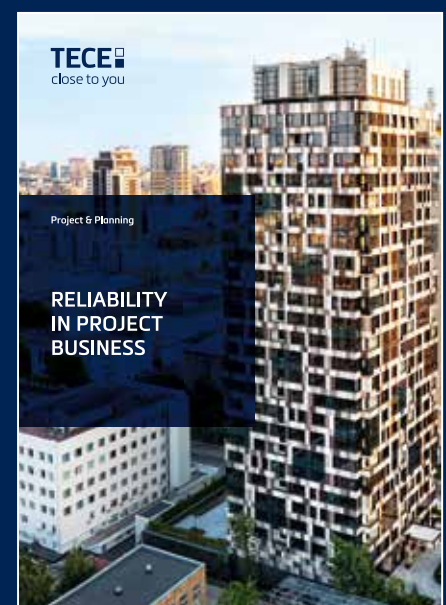
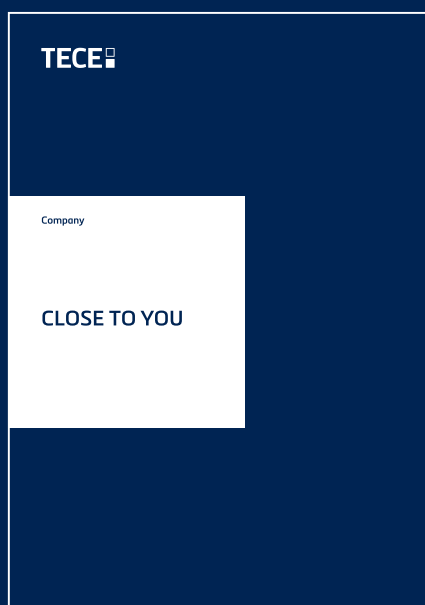
The low seat height of a children's standing toilet requires a low connection height, increasing the assembly effort for standard products. The building services experts from Emsdetten have therefore developed a pre-wall module, especially for toilets at child-height. The height of the module, made with a self-supporting and soundproof steel construction, is 1120 millimetres. At the lowest crossbeam, there is a drill hole in case a retaining clamp for a drainage

elbow needs to be attached. Based on additional holes and slots in the frame, the module can be installed in a TECEprofil wall or a metal and wooden post-and-beam wall. A pre-wall installation as a single module is also possible. In order to allow for the floor design, the foot supports can be height-adjusted up to 20 centimetres. A foot brake, specially-developed and now optimised by TECE, makes one-man installation easier, giving the fitter a clear time advantage. In this module, too, the TECE universal cistern with dual-flush technology is built in. This has been sold in millions. The only difference being: It is positioned ten centimetres lower so that small children can reach the flush without problems as well.

TECE brochures

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www.tece.com



TECE GmbH
International Business
Phone +49 (0) 25 72 / 9 28 - 999
Fax +49 (0) 25 72 / 9 28 - 204
international-business@tece.de
www.tece.com

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