

ISH 2015

TECEnews

TECE products and news



TECE:

TECEone

The toilet with bidet function



SWITCH TO COMFORT.

It looks like an ordinary toilet – just the knobs on both the left and right-hand side of the ceramic body indicate that this design toilet has more to offer: a fully-integrated bidet function. By means of the two knobs intimate hygiene can be available – without electronics, electricity, and without a pump. Because the warm water comes out of the pipe: Perfect design, intuitive operation, and a tried-and-tested shower function. Hygiene in the bathroom can be so easy.

NEW



TECE:

TECEone

The toilet with bidet function



Slim line: The TECEone design is oriented towards modern bathroom designs.

The bidet simply integrated into the toilet

Paper and bottom – we have become used to it on the toilet, but it is not hygienic. This combination being accepted on the toilet is more due to the fact that there are no affordable alternatives, rather than that people are happy with the situation. TECE has now integrated the traditional bidet into a toilet using modern technology: An inexpensive shower toilet was created, without technical gimmicks, but at last making perfect intimate hygiene with warm water possible. There are no electronics, pumps, or electrical water heating – in favour of design and comfort.

The innovative thing about TECEone with bidet function is its consistent reduction down to the essentials: There is no water tank, no power supply and no boiler, no dangling cables or hoses – just fresh warm water from the main, which can be adjusted to the exact degree. The voluminous warm water jet delivers up to five litres per minute, and does not consume more than an economy washbasin tap, but offers a far higher degree of washing comfort than other well-known shower toilets with a far lower pumping volume.

The aim of the designers was to discretely integrate the comfortable use into the toilet's silhouette: To the left and right of the seat there are operating knobs which are intuitively used to adjust the water volume (right) and water temperature (left). The centrally located shower rod extends automatically through the water pressure when the function is activated by turning the knob.

The TECEone is conceived as an absolutely normal toilet with design character – with the bidet function as the cherry on the cake. Logically, the wall-mounted toilet boasts other features apart from the core toilet function. The ceramic body is state-of-the-art rimless – and can thus be cleaned quickly and easily. The ergonomic toilet seat has been optimised: A soft close mechanism is fitted, avoiding noise, while a specially-developed fitting solution ensures a wobble-free seat – for years. TECE is aiming at a broad market with this product. It is not supposed to appeal to the majority just because of its design; the price is also intended to appeal to those customers who want more hygiene and design attributes, but who up to now could not find acceptable value for money.



The fine difference: The shower rod extends and retracts automatically due to the water pressure when the right-hand knob is turned. The temperature is regulated with the left-hand knob.



The thermostat element requires no power supply. Technology that has been relied upon for decades replaces power, pumps, and electronics.

TECE:

TECEone

The toilet with a bidet function / Interview with Martin Krabbe



Deep in the subject matter: Martin Krabbe with the TECEone toilet seat that he developed.

“Functionality versus gadgets”

Those who know him know that: Nobody is more of an expert. Martin Krabbe and his team have been researching and developing in the field of shower toilets for nearly three years. The original question was: What would a shower toilet look like, if TECE developed one? The answer can be given today: Much more simple, without power supply and only with components that the trade can handle.

Has the world been waiting for this new shower toilet?

Mr Krabbe: Until now shower toilets have primarily been manufactured for the Asian market and saw only secondary use in Europe. We have developed a shower toilet for the European cultural region – which does not exclude use in Asia.

What is the difference?

Mr Krabbe: A European considers the bath and toilet in terms of the time period oriented to the use of the building. Complicated electronics are a purchase hindrance because many people believe that they will need an update every few years anyway. At TECE we focus on the core function of the shower toilet, and on tried-and-trusted technology. Our warm water comes fresh from the pipe, and our thermostat element has been in use for the last 30 years. We need no power supply, and no cables or external supply lines.

So it is low-tech against high-tech?

Mr Krabbe: I would rather say: Functionality versus gadgets. Or do you assume that self-opening toilet lids satisfy a serious demand in central Europe? We have concentrated on and optimised the cleaning function with

water. From our point of view, more water and less technology mean better and more pleasant cleaning performance. We use five litres per minute, and recommend around 28 degrees of warmth. On top of this: Today especially high-tech often manages with fewer operating elements. For example we only have one knob each for quantity and temperature – anyone can operate it. Can you remember the mobile phones before the first iPhone? They had lots of buttons.

What does it mean for the design when toilet cultures clash with each other?

Mr Krabbe: Our consumer research says: Lots of people would like to clean with water. But a toilet has to match the bathroom, and not look like a toilet monument. Aesthetics and function have to work together and make themselves useful. People see the toilet as something intimate and personal – and nobody wants to have to study the remote control when they have an urgent call of nature.

What, in your view, is the strongest argument for a TECEone with bidet function?

Mr Krabbe: Its perfectly integrated wash function and its mass-market value for money.

TECE push plates

TECElux Mini + TECESquare II + TECEnow

TECElux Mini: An illuminating flushing experience in real glass

TECElux Mini is a real glass push plate with electronic flush activation, well-known from the popular TECElux toilet terminal, in the typical TECE plate size 220 x 150mm. The new product features a sensor which recognises when a person approaches the toilet – only then do the fields for the flush buttons for the dual flush technology illuminate through the seamless glass plate. Technical design advantage: The safety glass plate only stands out a little from the wall. With the well-known installation frames it can also be fitted flush to the wall. So the TECElux Mini fits discretely into the architecture of the bathroom, what remains visible is just the timelessly designed safety glass plate, which is available in black or white. The flush is activated by a soft touch, or automatically when the user is close. The elegant plate thus ensures more hygiene and easy cleaning around the toilet.



TECElux Mini with approach control and illuminated sensor fields.

TECESquare II: Universality and ease of installation

TECE has now updated the TECESquare stainless steel toilet push plate: The new model now fits directly onto the TECE cistern, without the need for additional fittings. The dimensions of the successful TECE model were adjusted to the standard size of classic TECE plates. TECESquare II now measures the usual 220 x 150 millimetres. The function of the installation frame that was needed before is now integrated into the push plate. This increases the ease of installation and saves valuable building time. Like its predecessor model, the three-millimetre-thick TECESquare II makes full use of the effect of stainless steel. Extremely reduced in design, the functionality of the plate is obvious at first glance: Just three fine joints characterise the two buttons for the water-saving dual flush technology. Rubber buffers increase what is already a very pleasant material feeling, preventing rattling noises during activation.



Pure stainless steel in reduced design. TECESquare II in standard TECE dimensions.



Flat structure, defined edges: the luxurious and discrete standard solution.

TECEnow: The new standard

TECE is extending its range of push plates in the standard sector. With TECEnow the Emsdetten-based housing technology specialist proves that good design is also possible outside the highest level market sector. A simple rectangle decorates the wall above the toilet ceramics. Because of the especially flat height of just five millimetres and the defined edges, the mechanical push plate integrates into the bathroom architecture nobly and discretely. The designer piece looks expensive – but it is not.

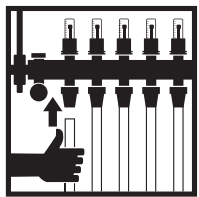
TECEnow is the new standard push plate from the company in the Muensterland. “Up to now in the standard class, for example with TECEambia, we had a plastic push plate with organic form. With TECEnow there is now a reduced, reserved, and architectural solution – in the same price sector”, says TECE Product Manager André Meiermann. The plate can be installed flush to the wall by using a special installation frame, thus integrating seamlessly into the bathroom architecture. TECEnow measures 220 x 150 millimetres, and is available in black, white, or also matt or gloss chrome-plated plastic.

TECEfloor

Floor heating



Presentable instead of concealable: Thanks to the glass plate, the distribution box for TECEfloor floor heating looks really good.



With glass in one style

Glass has proven itself as a unifying design element at TECE: Whether with the TECElux toilet terminal, the TECEloop push plates, or the TECEfloor design wall thermostats, this timeless material delights both architects and customers alike. The logical consequence: a design glass door for the TECEfloor heating circuit manifold housing. The white ceramic-coated safety glass door conceals the manifold housing elegantly, adding just a few millimetres. A magnetic catch ensures that it remains closed; a backup catch prevents the door swinging open. Especially in private housing, supply lines are often laid through many rooms unnecessarily, in order to conceal the not particularly attractive steel doors from sight. In the process, unwanted heat release may occur in the rooms involved. With the new design glass door, the manifold housing can be left in clear view anywhere in the home. A solution which is also very suitable for office buildings or public areas.



Stylish thermostat ... control to the exact degree!

When developing the new TECEfloor wall thermostat focus was not only placed on up-to-date technology but also on an aesthetic design. Boasting a diameter of about ten centimetres and a height of some three centimetres the TECE thermostat can be mounted on concealed sockets or directly onto the wall. The special appeal of this device is the three-millimetre thick glass cover, which is offered in a variety of colours and gives the surface of the device a high-quality finish. Moreover, numerous well-conceived functions have been integrated: The TECEfloor thermostat can switch between heating and cooling via an external signal – a so-called change-over function. In addition to thermal recirculation technical features include pulse width modulation. The thermostat is designed to respond to a control oscillation of just 0.3 Kelvin. And no matter if the standard wired 230 V or the wireless version is installed: it is possible to combine the TECEfloor wall thermostat with a variety of electronic variants.



Something for every taste: The round wall thermostat is available in different colour variations.



Easy installation

Installing pipes without pressing tools? The safe TECElogo professional installation system can be processed quickly and easily by hand. Now the next generation of the tried-and-trusted connection system is ready to start: It ensures that the connection work is easier, more comfortable, and more secure, even in the trickiest building site situation. The system has been extended with an O ring, which provides double security in terms of watertightness. In addition every fitting support features a hygiene plug, which is only removed by the fitter just before the connection. With the introduction of the 63 millimetre dimension last year TECElogo sets new standards in the field of push-fit connection systems, underlining its market leadership in the process. The rotating sleeve in all dimensions is also new. Together with its enlarged inspection window, the connection can now be better checked. This increases the ease of fitting, especially in tight building site situations.



The motto of the TECElogo campaign: The most important tool is the fitter's hand.



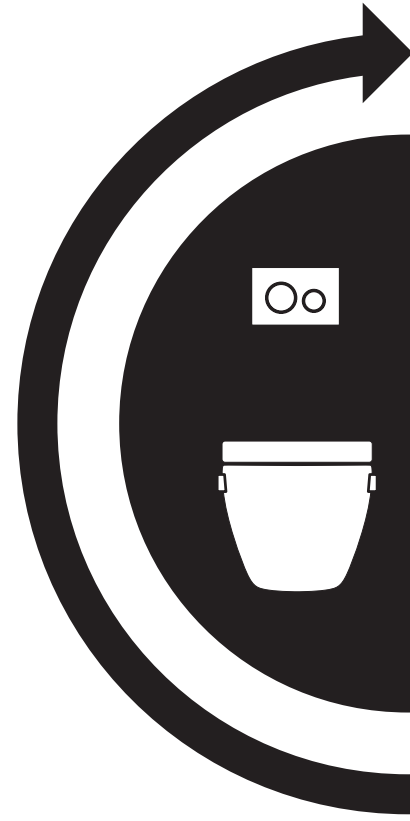
With TECE into the future: PPSU fittings

Stricter limits for lead in drinking water demand intelligent installation solutions. With the TECEflex and TECElogo fitting ranges a safe but also inexpensive piping installation is possible. According to the German Ordinance on Potable Water the lead limit is ten microgrammes per litre. Of this, a maximum of five microgrammes are allowed to come from the drinking water installation system. With the PPSU and red brass fittings from TECE, conforming with the limit is assured.

TECE was one of the first companies to develop fittings using polyphenylsulfone – in short: PPSU. Many years of problem-free use have shown that this material is a viable alternative to metal fittings, thanks to its varied properties: durable, chemical-resistant, impact-resistant, and naturally non-corroding. The TECEflex PPSU fittings are approximately 50% cheaper than red brass alternatives. PPSU fittings are permitted for drinking water installations in accordance with DIN 1988 / DIN EN 806.

True to the slogan, "perfection unifies": PPSU fittings for TECEflex and TECElogo.

PERFECTION



“Perfection unifies” provides the headline for the TECE fair concept. Petra Bischof has been the International Marketing Manager at TECE since November 2014. An interview not just about the 2015 fair slogan.

Ms Bischof – The TECE fair concept – what does it stand for?

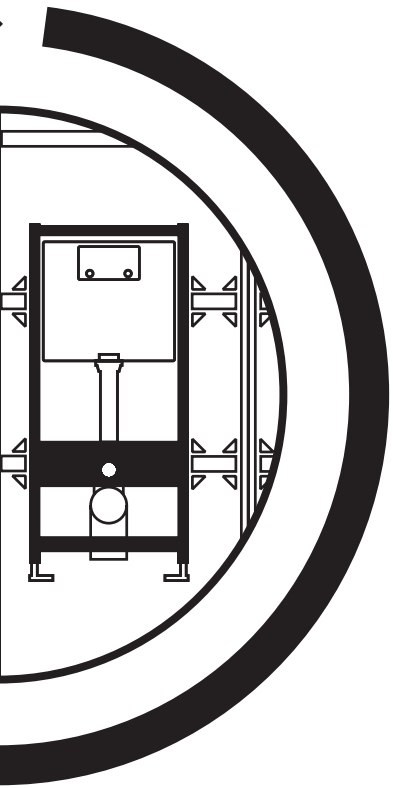
Petra Bischof: The “Perfection unifies” claim stakes out the areas where the housing technology specialist TECE is active today, and will be active in the years to come, and also where innovations can be expected. For 2015 we have for the first time picked a special fair slogan, because this year will be a milestone for the company on the way to becoming a supplier of high-quality design concepts. And because we would like to emphasise more clearly our claim to innovation in the development of integrated housing technology and sanitary concepts.

Housing technology and design. Both from one source.

Is this really practicable?

Petra Bischof: It is not only practicable. It is a precondition and a chance to offer customers better products, which are also intended to improve their quality of life. This can also be seen in this year’s ISH slogan “Interior and Technology”: “Design and function in harmony”. Integrated concepts, so the intelligent combination of design and function, will influence all our lives in the near future. It is the job of industry to detect, develop and supply such products for the customer at an early stage. As an innovation-driven brand supplier, TECE would like to play a decisive role in the process.





UNIFIES

Can we see this in the fair booth?

Petra Bischof: The idea of intelligent connection in front of and behind the wall has certainly characterised the fair booth concept – it has two colour-coded sides which serve as a platform for the specific product presentations. We are simply completing a logical development, because we offer both. The fair design is no design end in itself; rather more it serves the fair visitor as an easy-to-understand and up-to-date orientation support, in the process conceptually developing a presentation approach that we have been using at TECE for the past few years. On the one hand intelligent housing technology, on the other hand conceived function and smart design – both “made by TECE”.

Can you explain this by means of TECEone, the toilet with a bidet function?

Petra Bischof: On the user side of architecture, so in front of the wall, we have an innovative design toilet, a new standard in the field of sanitary products. Behind the wall, the tried-and-trusted TECE pre-wall technology is in service. With the claim we emphasise that both worlds are growing together, and that we are combining the two by means of the particular TECE “simple, better, more beautiful” approach. And one thing should not be forgotten: The fair slogan also has a double meaning, in another sense it stands for perfection as an aspiration, which connects us with our customers. This is no new aspiration, but it has more meaning than ever before for us.



Petra Bischof is International Marketing Manager at TECE.

TECE connects technology behind the wall with design in front of the wall – clearly visible in the fair booth concept.



TECEflex + TECElogo

Pipe systems



TECEflex and TECElogo are now available with fitted insulation.

Time is money – for the fitter, too

Multi-layer pipes from the TECEflex and TECElogo ranges are available factory insulated. Pre-insulated piping scores in terms of energy efficiency and drinking water hygiene. It prevents energy loss for hot water, and ensures that drinking water retains the required temperature. The German Ordinance on Potable Water says: The hot water temperature may not fall below 55 degrees Celsius, and cold water may not be warmer than 25 degrees Celsius. To fulfil these requirements cold water pipes also need insulation, because the EnEV insulation standard is often not sufficient.

No fire through the wall or ceiling

To date, it has only been possible to use the Rockwool pipe shell RS 800 to thermally insulate TECE's multi-layer composite pipes. Following intensive fire protection tests the pipe shell can now also be used as fire bushings R30 to R120 for TECEflex and TECElogo composite pipes. That is verified by a general building inspectorate test certificate (AbP) issued by the MPA (Civil Engineering Materials Testing Institute) based in Braunschweig, Germany. The advantage: Professional installers no longer need to change materials at the wall and ceiling openings. That saves time and money. The building component combination consisting of RS 800 and TECE composite pipe resists a fire for at least 120 minutes – and as a consequence offers the highest fire resistance rating (R120). The aluminium-clad pipe shell RS 800 is suitable for use with all size 16 to 63 multi-layer composite pipes offered by TECEflex and TECElogo.

Fire protection is assured by the RS 800 insulation shell.



TECEdrainline + TECEdrainpoint S

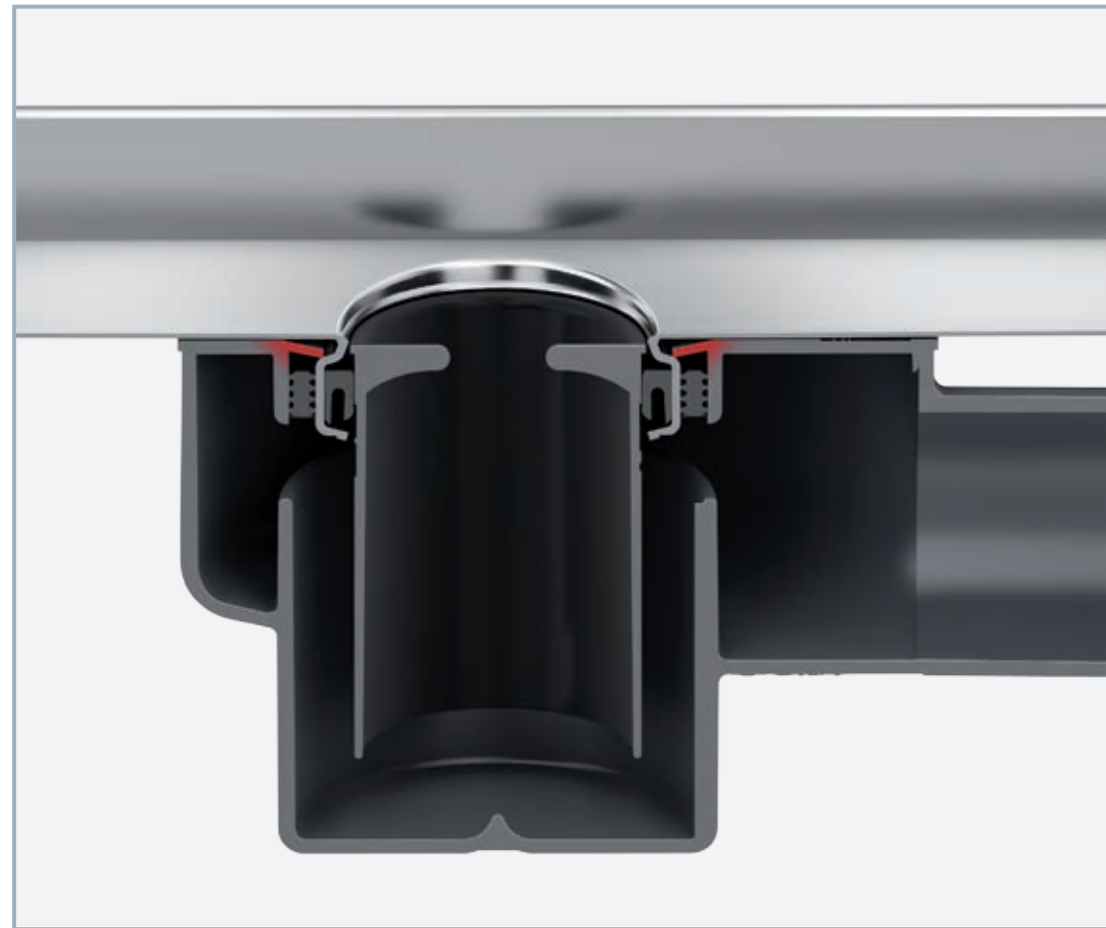
Drainage technology

TECEdrainline: Optimised for tough days on site

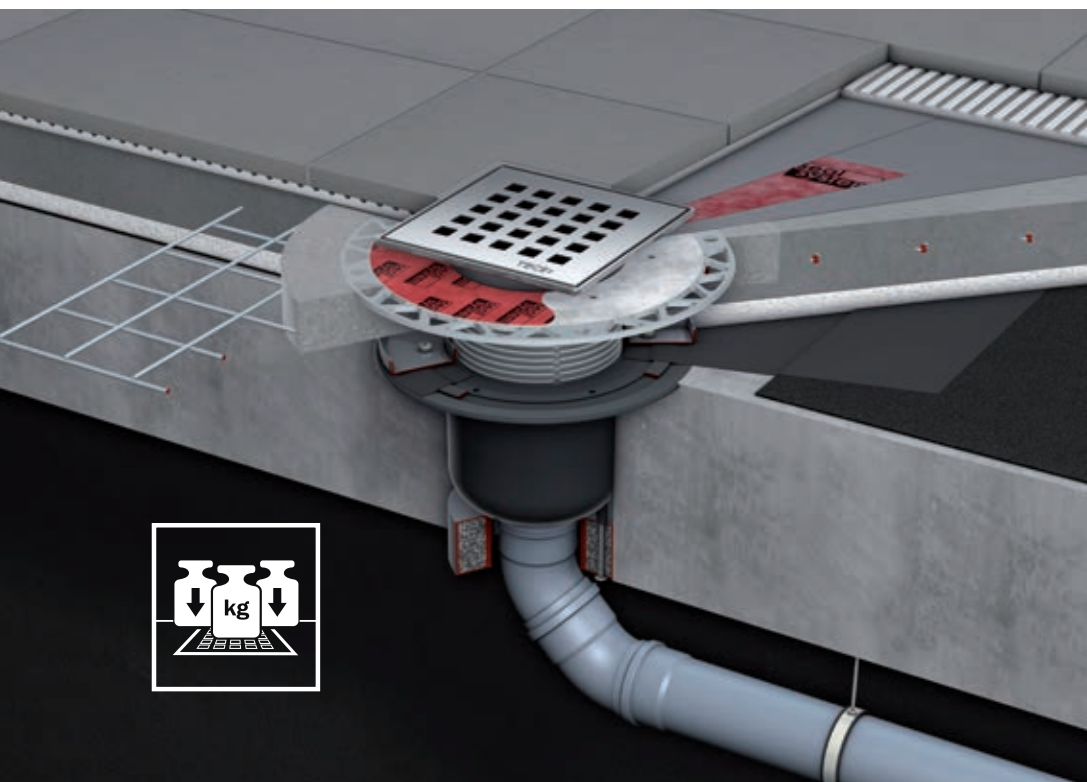
TECE thinks of the craftsman: Modified procedures optimise the installation of the TECEdrainline shower channels – a strong snap lock has been added to the interface between drain and channel. The drain is mounted onto the channel supports, claws snap shut during the mounting process, holding drain and channel firmly together. A strong watertight connection is created. Nevertheless the drain remains rotatable, and the fitter can freely choose the direction of the drain line. Thus the new TECEdrainline system ensures that the water goes where it belongs: down the drain.



The new shower channel drain snaps closed when mounted, but remains rotatable.



The new drain for the TECEdrainline shower channel optimises the installation.



New, extremely tough point drain

From now onwards there is an extension element for commercial building use for the TECEdrainpoint S point drainage system. A polymer concrete collar, made of extremely tough waterproof material, has been added to the drain. The polymer concrete ring, with a diameter of 325 millimetres, contains a 480 x 480 millimetre reinforcing steel mat. Thus when installing the drain in screed a strong connection is created, providing reliable strength for use in buildings with high traffic, such as hospitals or hotels. Concealed by the stainless steel-framed, six-millimetre thick Quadratum design grate, the high-quality drain is a real gem. And naturally, the polymer concrete ring also features the Seal System universal flange.

No more penetrating smells!

Odours produced in seldom-used sanitary equipment because the odour trap has dried out? The two-stage TECEdrainline membrane odour trap tackles the problem in an innovative way: The immersion pipe of the odour trap has a sealing lip membrane on the inside. This membrane minimises the evaporation of the sealing water – unpleasant odours cannot arise. The system can be retrofitted to any TECE shower channel at any time and also acts as a barrier against vermin and foam.



The membrane odour lock reduces the evaporation of the barrier water.

TECE flushing technology

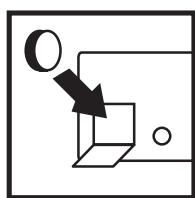
New from the cistern



Staying flexible: Decreasing or increasing flushing pressure with one set

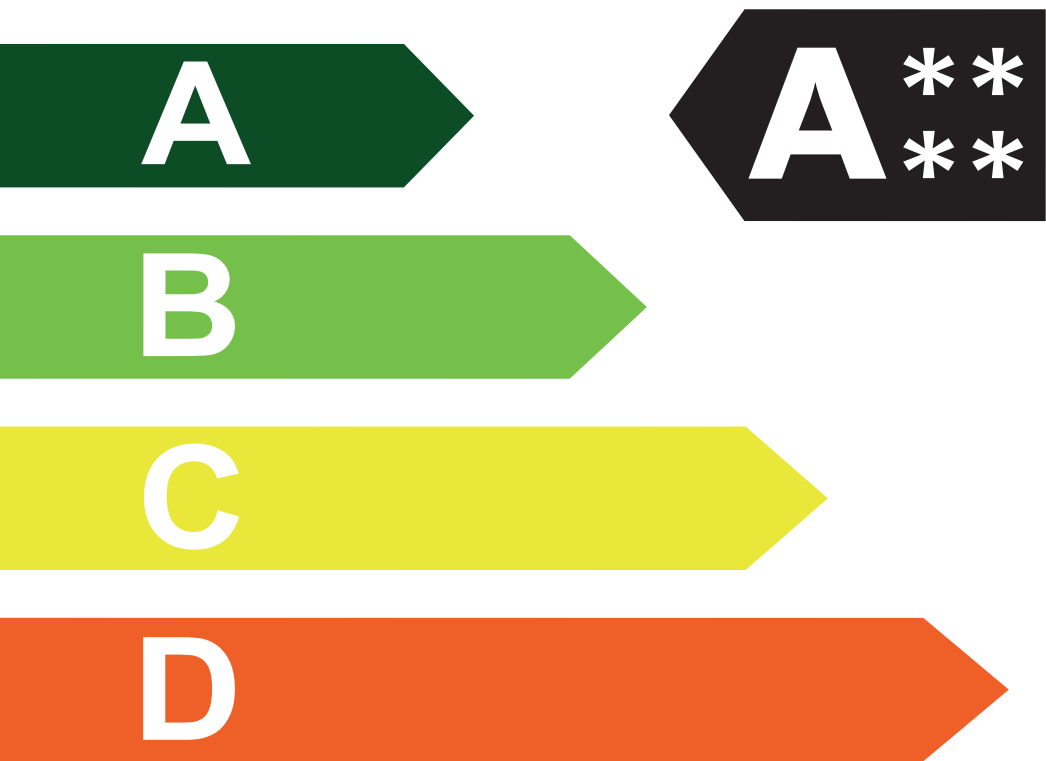
To enable a more flexible adjustment of the flushing pressure, TECE has now developed an improved throttle set. If the flushing of the ceramics is not acceptable, then the flushing pressure can be adjusted. Pressure that is too high, for example, may mean that the water “overshoots the target”. A throttle is required. The new throttle set permits even finer adjustment in a much

larger pressure area. The particularity at TECE: The flushing pressure can be not only decreased, but also increased. TECE flushing technology can thus be used universally – for any ceramic toilet. Simply fit the set with the correct throttle in the drain valve seat and and: Let the water pour!



Innovation in combination

From now on, the TECElux toilet terminal has an insert chute for cleaning tablets. The practical insert chute for more hygiene in the toilet, previously only available separately, will now be factory-fitted to every TECElux supplied. Behind the ultra-flat glass facing on the terminal – available in black or white – is the inspection opening, which provides easy access to the technical components, and now also to the insert chute. The cleaning tablets are dropped through the flap into the collection container in the cistern. From there they release the active ingredients at a dosed rate – and thus keep the ceramics clean and fresh.



Four star cistern

In order to provide better assessment and comparison of sustainability in sanitary products, the association of European fitting manufacturers EUnited Valves awards fittings and flushing systems the WELL label. Now the TECE cistern and TECElux sen-Touch have been awarded the label. TECE has now had the universal use standard toilet cistern for private use and TECElux “sen-Touch” toilet terminal for public-commercial use certified with the WELL label. With a definable dual flush of 4.5/3 litre flush volume the TECE cistern fulfils the evaluation criteria for home settings at the highest level, and for this reason is awarded four out of a possible four stars. Compared with the EU energy efficiency label, which is well-known from washing machines and dishwashers, this means class A. The TECElux “sen-Touch” toilet terminal was also put into class A, but in the public-use field, where not only flush volume and flush actuation are assessed, but also additional hygiene factors. Thanks to a flush volume of 4.5/3 litres, a dual flush, actuation without contact, and stagnation flushing, this toilet achieves the maximum award of six stars.

TECE flushing technology

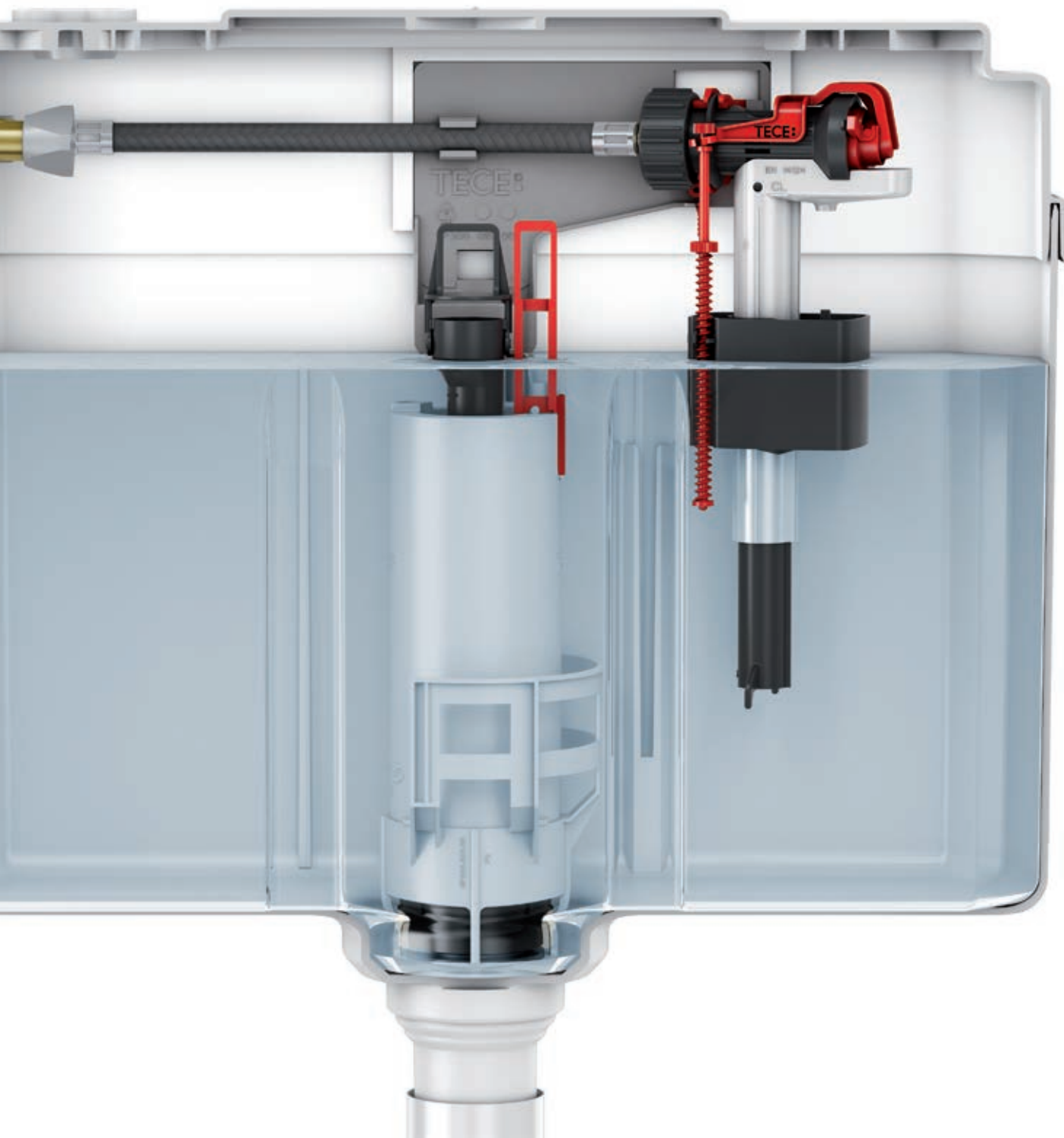
Shower toilet pre-wall module / Filling valve

Water connections for TECEone on the toilet module

Only the integrated bidet function distinguishes TECEone from a conventional toilet. The one thing that has to be remembered is: The shower toilet draws warm water directly from the main, and thus requires an additional warm water connection on the toilet module. TECE is now offering a set for the easy installation of TECEone: For this, two metal plates are hung into the module below the cistern. A wall disc is screwed onto each plate – and connected with the cold and warm water. As with the bidet the water connection is carried out by means of angle valves. Mounted in this position, they are concealed completely by the TECEone ceramics.



With two metal plates TECEone can be fitted to any standard TECE toilet module



Universal filling valve: TECE makes service easy

The new TECE F 10 filling valve for the universal cistern is in itself a universal solution – and can help other most common brands if replacement is required. The TECE filling valve almost always fits and is thus also a good choice when servicing: The fitter puts it in the service vehicle and is fully equipped, no matter which cistern is installed at the customer's. A further advantage of the new filling valve: It fills the cistern particularly quietly. The latest sound measurements carried out by the Fraunhofer Institute confirm the especially quiet filling action of the TECE F 10 filling valve.

Service and storage optimised flush valve: The new F 10 flush valve is a universalist – suitable for many cisterns currently on the market.

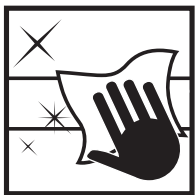
TECE:

TECEdrainline + TECE flushing technology

Shower channels / Shower toilet pre-wall module



The TECEdrainline shower channel is so easy to clean: Simply remove the cover and wipe the smooth stainless steel interior – finished!



Cleaning made easy

One great advantage of the TECEdrainline shower channels in comparison with other floor level showers is the hygiene aspect. The joint-free closed high-quality stainless steel channel body can be cleaned easily and conveniently. Take out the cover, wipe through, finished! TECE produces the Drainline channels without gaps or screws where hair and dirt can collect, encouraging germs.



Because different manufacturers place these connections in different places, TECE is now offering a universal module, which is compatible with the most common shower toilets.

Independence when choosing a shower toilet

Shower toilets are gaining in popularity. For this reason TECE is extending its range with a universal shower toilet module, in order to ensure compatibility with concealed connections. Together with an additional water supply, a shower toilet often requires an electrical supply. Depending on the manufacturer, these connections may be in different places. To be prepared for a possible later change, a suitable update set already has to be mounted during the shell construction. The TECE universal module allows greater flexibility in the choice of shower toilets. The module features all the necessary connections for power and water openings. The required positions of the inlet connections, for example for water, can be selected using the generous connection funnel. The same is true for the power supply on the other side. By way of this new concept the user also retains the option of installing a shower toilet at a later date.



New flushing laboratory: Esslingen University of Applied Sciences chooses TECE

The TECE universal cistern has been installed as the standard system in the flush laboratory of the Esslingen University of Applied Sciences. Using the new equipment, Professor Dr. Ing. Hans Messerschmid and his team at the Supply Technology Faculty can carry out extensive investigations of housing technology solutions for toilets. The first field of use for the flexible TECE solution is a flushing experiment for the SBZ specialist trade journal. The magazine from the Stuttgart Gentner publishing house investigated the new market of rimless toilets. On the test stand with twelve testing positions the flushing and splashing behaviour of almost all rimless toilets were tested. The results of the months-long investigations will be presented at ISH in Frankfurt. TECE head of technology Martin Krabbe: "The collaboration with this important university is of great interest for both sides. The acceptance of our cistern is high – also in Baden-Wuerttemberg." Thanks to the throttle set, the TECE cistern permits individual adjustment of the flush strength to the ceramics and piping network.



Talking shop in the new flushing laboratory at the Esslingen University of Applied Sciences: Professor Dr. Ing. Hans Messerschmid of the Supply Technology Faculty, SBZ Chief Editor Dirk Schlattmann, and TECE Technology Manager Martin Krabbe (from left) in front of the experiment set-up for the SBZ rimless toilet test.



Twelve flushing positions – all with TECE cisterns – have been working in the new flushing laboratory at the Esslingen University of Applied Sciences since mid-2014.

TECE global: International Business as growth powerhouse

Over the past 25 years TECE has grown to become a strongly internationally oriented company: International business is active in TECE subsidiary companies in 22 countries around the world. In addition there are 15 strategic sales partners managing their own brands: So TECE products and solutions are sold in more than 50 countries around the globe. The International Business Manager, Andre Kellinghaus, sees the thriving growth markets for the housing technology specialist as still being in Europe, Asia, and above all China. The subsidiaries with the largest turnover are Scandinavia, Poland, and Russia – even in Switzerland, home to one of the largest competitors, TECE can show decent growth figures.

What are the success factors for the foreign markets? Andre Kellinghaus explains quite clearly: "When we can define our market presence ourselves – so working in the market with our own well-trained people, then we are almost always successful." For Kellinghaus it is more than the Germany quality factor that plays an important role: "We develop customers, not markets, make strong partnerships, and deliver expertise and service in

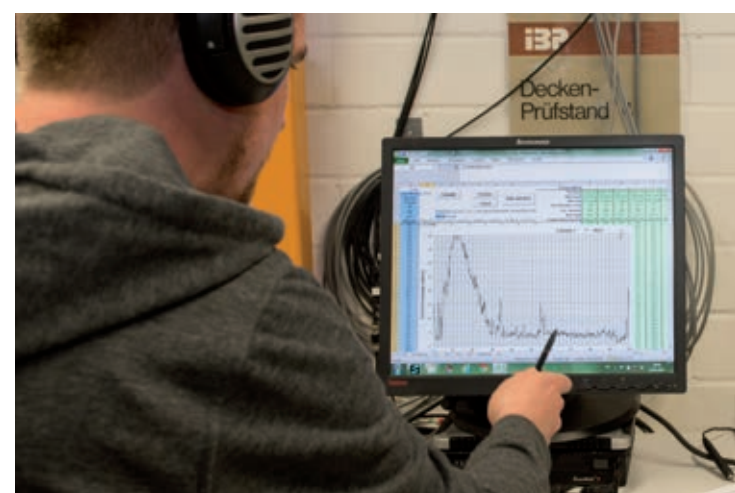
addition to the products." An important success factor is the goods availability in the TECE countries. By expertise and service he means not only customer support, but also the successive expansion of the TECE academy network – where the target group, such as stockists, craftsmen, architects, and planners can be trained to work with the products. Andre Kellinghaus and his team are optimistic: For the next few years they are planning a higher-than-market average growth for the company. However: There are too many crisis regions around the world. The Ukraine and the Middle East, for example – "naturally these crises are not without effect on a company that works globally." And it is not only a matter of economic success. Andre Kellinghaus: "Tragedies are taking place, and we are helping where we can. We are supporting our employees and partners in these countries, for example we have helped the employees and their families in East Ukraine to resettle in the West." An organisation like TECE should not only be measured by looking at the figures: "Corporate Social Responsibility is not a hollow expression in our company. And I am convinced that this help will one day return."



Andre Kellinghaus,
International Business Manager (IB).

TECEsystem

Sound insulation: Pre-wall system and components tested successfully



Warning! Measuring! Several multi-story TECE pre-wall installations were tested under strict laboratory conditions in the rooms of the Fraunhofer Institute. Result: Passed with flying colours! Important information for the housing industry.

TECE passes sound insulation tests

In accordance with accepted technical procedure the sound produced by housing technology systems may not exceed certain levels in rooms in need of protection. These rooms include living rooms, children's rooms, bedrooms, working rooms and classrooms. Exceeding these values can be illegal in terms of health and safety and personal rights legislation. To be on the safe side TECE has had its pre-wall technology thoroughly tested.

Flowing water produces sound, which transmits to the building structure and can clearly reduce the quality of life in the home. To prevent this, there are strict standards. The TECE pre-wall installations successfully passed three weeks of sound insulation testing at the Fraunhofer Institut for Building Physics. In the two-storey trial installation the sound level of the TECE pre-wall system was measured in connection with different thicknesses of plas-

terboard walls and a standard solid wall. Just the use of standard brackets in the drain area enabled all three structures' sound insulation to conform to DIN 4109. With special sound isolators, the TECE pre-wall installation even satisfies the higher standards of DIN 4109 and VDI 4100. The new TECE F 10 universal filling valve was used in all tests. There was a lot of amazement: Never before had such a quiet filling valve been tested.



Strong symbols

A little symbolic politics is always around – especially at ISH: When the manager slips to the back with the editorial, freeing up space for a unique product, then this is a powerful signal. TECE is coming to ISH with a product offensive – in the centre a completely unorthodox approach to the subject of the shower toilet which we call TECEone. A product which fits TECE, because on the one hand it came from thinking outside the box, and it is on the other hand the result of listening carefully.

In year 1 after Thomas Fehlings TECE is surprising the market with many solutions, showing that we are here – with lots of commitment, strong presence, and innovative. We are ready to continue the path we have been successfully following for the past 25 years. In sales TECE will stay as you know us: strong service and customer-oriented. Internationally we are continuing the consistent course of expansion. And we are investing in Germany – and in our 22 subsidiaries.

What remains is the wish for a successful fair: that is what we wish our guests, our customers, and ourselves. That is enough words, now we can let the products speak for themselves!

I wish you all prosperity and successful spring trade fairs

Hans-Joachim Sahlmann | CEO

TECE seminars



Video with all the fair highlights

Even if you did not manage to visit ISH 2015 personally, you can take part in the fair events. From the 11th March 2015 you can find the TECE fair video using the following link.



www.tece.de/en/ish2015_video

Expertise you can touch

The housing technology specialist TECE offers specialist and intensive seminars on numerous sanitary, heating, and air-conditioning subjects – from grease separation technology to barrier freedom in the bathroom, to modern drainage components. For the first time there will be a seminar on the subject of fire and sound protection.

TECE offers customers and users the possibility of not only getting to know the in-house products theoretically, but also of testing them practically. Touching and trying out is the idea. The broad range of offers has proven itself in practice. The successful cooperation with companies from other fields will also be continued in the seminar programme. With Sopro Bauchemie and the Deutsche Gesellschaft für Gerontotechnik expert partners will each be accompanying one seminar. The collaboration has proven itself, with customers profiting from the possibility of gaining deeper insights into a subject. The TECE seminars are aimed at specialist fitters, planners and architects, together with people working in engineering offices, the specialist wholesale trade, and house building companies. In addition, some seminars are suitable for experts from the field of barrier-free building and employees working in exhibition areas.

The seminar brochure can be ordered by email at seminarwesen@tece.de, by telephone on **02572 / 928-0** or by fax to **02572 / 928-207**. It is also available online at www.tece.de/seminare as a download. Here you can register for the different seminars.

SEMINAR PLAN 1. FIRST HALF OF 2015

Fire protection and sound insulation in practice

- 17/03/2015 in Emsdetten (North Rhine-Westphalia)
- 20/04/2015 in Diepersdorf-Leinburg (Middle Franconia)
- 21/04/2015 in Neustetten (Baden-Wuerttemberg)
- 09/06/2015 in Wuppertal (North Rhine-Westphalia)

TECE design in the bathroom

- 18/03/2015 in Emsdetten (North Rhine-Westphalia)
- 24/03/2015 in Diepersdorf-Leinburg (Middle Franconia)
- 25/03/2015 in Neustetten (Baden-Wuerttemberg)
- 17/06/2015 in Wuppertal (North Rhine-Westphalia)

Comfort and design in the accessible bathroom – how demands can become solutions

- 24/03/2015 in Iserlohn (North Rhine-Westphalia)
- 29/04/2015 in Iserlohn (North Rhine-Westphalia)

Modern potable water installation – effects of the revised German Ordinance on Potable Water

- 23/04/2015 in Wuppertal (North Rhine-Westphalia)
- 11/05/2015 in Diepersdorf-Leinburg (Middle Franconia)
- 12/05/2015 in Neustetten (Baden-Wuerttemberg)
- 21/05/2015 in Emsdetten (North Rhine-Westphalia)

TECEsepa – Grease separation technology.

Why and for whom?

- 05/05/2015 in Wuppertal (North Rhine-Westphalia)

Building drainage – point and line with a system

- 11.06.2015 in Wuppertal (North Rhine-Westphalia)



At www.tece.com you can find a lot more information about our products.

**TECE GmbH
Deutschland**
Phone +49 25 72/9 28-0
info@tece.de
www.tece.de

TECE Österreich GmbH
Phone +43 22 53/2 11 78
info@tece.at
www.tece.at

TECE Schweiz AG
Phone +41 52/6 72 62 20
info@tece.ch
www.tece.ch

TECE:

DS001 005 51 a