TECE
close to you

AUTOMATIC, NOT PROBLEMATIC
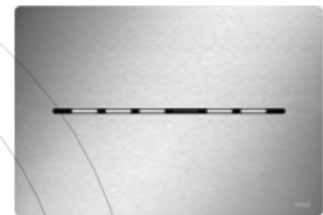
TECE solutions for potable water hygiene.

SUITABLE SOLUTIONS FOR SAFE OPERATION

Regular water exchange to prevent stagnation is a sensitive issue. With solutions from TECE, everyone is on the safe side: without any flushing schedules, complex installation or additional inspection openings. Whether you use intelligent electronic actuators or the first TECE cistern with integrated hygiene flush. Control and logging are simply performed via an app.

"There is no way around regular water exchange. A major problem at first sight. But no big deal if you go for smart solutions."

Just be safe

TECE solutions for potable water hygiene create practical and legally compliant hygiene solutions wherever stagnation can become an issue. With the free TECEsmartcontrol app, programming and logging is always in your hands in a legally compliant and simple way.

1 **Clever complete solution behind the wall:**
TECEprofil toilet module with integrated hygiene flush

2 **Smart cold water solutions in front of the wall:**
TECEsolid toilet and TECEfilo urinal electronics

A COMPLEX TOPIC – SOLVED IN A LEGALLY COMPLIANT MANNER

The water exchange is the pain point of the potable water installation. With integrated solutions from TECE, operators have security even in non-designated operation.

§ The owners of potable water systems are responsible for ensuring proper use. In practice, this responsibility should be transferred to the actual users, tenants or employees. In order to avoid a possible organisational fault, this transfer of responsibility should be documented contractually and as part of training. Automatic flushing stations simplify this task significantly.

Long periods of non-use can become a problem in public and semi-public areas. With integrated solutions from TECE, safety flushes are simply set up via app and logged in a legally compliant manner – without any effort on the part of personnel. This saves time, water and costs.

No use, no exchange

"Our events focusing on potable water hygiene show that designers and fitters are now well-educated on the subject. There is a diverse range of technical solutions for planning, designing and operating a compliant potable water installation. Whether it's looped lines, ring lines, flow distributors or circulation right up to the tapping point: Everything is based on proper use.
Any measures are ineffective without this foundation. This leads to an aspect that is still hard to imagine for many: The inevitable flushing of potable water when not in use!"

Robert Schilling, Training Manager, TECE Academy

Requirements for the potable water installation

Comfort

- Sufficient quantity
- Temperature f(t)

Hygiene

Temperature

1
- Min. PWH
- Max. PWC

Improper warming of the cold potable water can make it necessary to exchange the water. Especially in indoor bathrooms with very high room temperatures, a cold water temperature of over 25°C can occur after a few hours.

Water exchange

Through-flow in operation

- Discharge times
- Flow speed
- Time in the pipe
- Stagnation
- Dismantling of dead lines

Non-usage

2
- Regular, complete water exchange

72 h

The requirements for the regular and complete exchange of potable water are between 7 days and 72 hours, depending on the regulations. In principle, an interval that is appropriate to the system should be determined and adhered to depending on the usage type and risk category.

Preconfigured flushing programs
VDI 6023 and DIN 1988

The user's own flushing programs
can be stored and transferred

Usage recognition,
timer is reset

Time interval setting

Unique device identification

Password protection for device

Evaluation/log function

TECE
SMART
CONTROL

TECEprofil HYGIENE FLUSH

The first toilet module with integrated hygiene flush.

An award-worthy innovation from TECE turns the toilet cistern into a hygiene flushing station. This is why we've integrated into our toilet cistern a hot water connection and a programmable control system in one compact assembly. With the new TECEprofil toilet module with integrated hygiene flush, you can fulfil your obligation as an operator to provide a clean potable water system. Convenient, reliable, economical. For purely cold water installations, the TECEprofil toilet module with integrated hygiene flush is also available as a cold water version without hot water connection, but with a full range of functions.
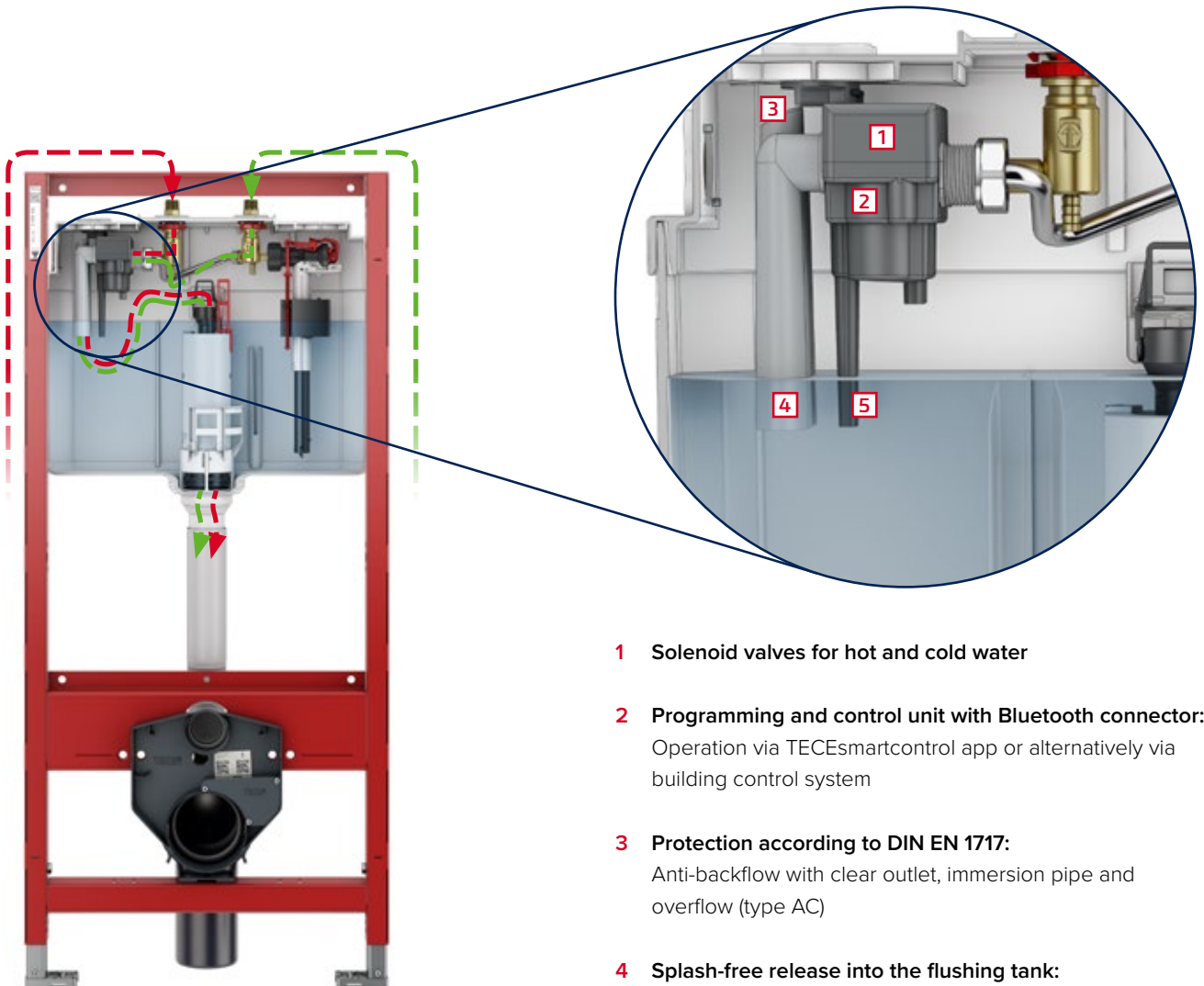
The advantages:

- Simple, reliable hygiene flush in a compact design
- Operational reliability with logging feature
- Individually programmable via app for a wide range of applications
- Connection to smart home solutions or BCT possible
- Less assembly work, completely preassembled components
- No additional fixtures and inspection openings in the bathroom
- No separate drainage piping, shorter pipe routing

GERMAN DESIGN AWARD WINNER 2021

GERMAN INNOVATION AWARD '21 WINNER

TECEprofil HYGIENE FLUSH

Potable water can be this easy. TECEprofil toilet modules with integrated hygiene flush supply all necessary components completely pre-assembled, including Bluetooth module and transformer. Only the water connections and the transformer need to be connected on site.
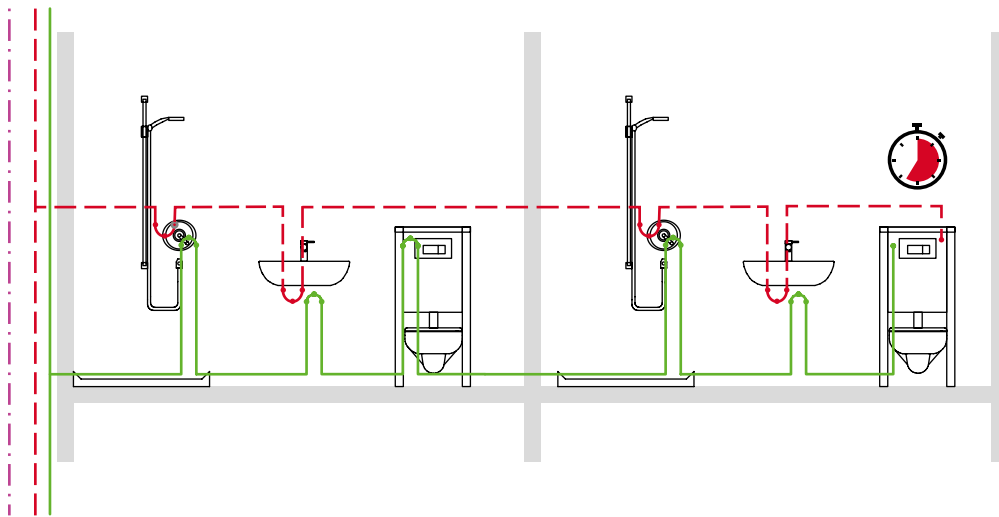
1   **Solenoid valves for hot and cold water**

2   **Programming and control unit with Bluetooth connector:**
Operation via TECEsmartcontrol app or alternatively via building control system

3   **Protection according to DIN EN 1717:**
Anti-backflow with clear outlet, immersion pipe and overflow (type AC)

4   **Splash-free release into the flushing tank:**
The warm water flush volume mixes with the large cistern volume from the Uni cistern.

5   **Capacitive sensor for usage recognition:**
When the toilet flush is activated (the water level in the cistern drops), the hygiene flush is skipped and the timer is reset.

Take a look: This is how the TECEprofil toilet module with integrated hygiene flush system works.
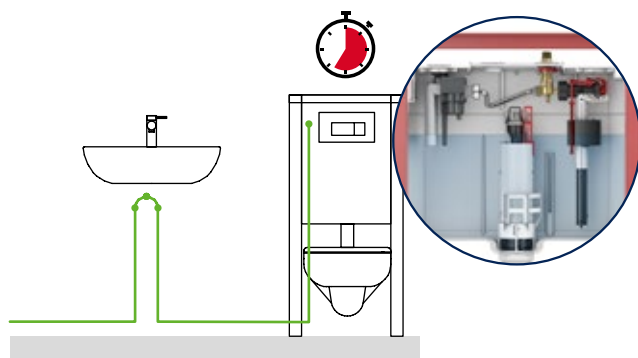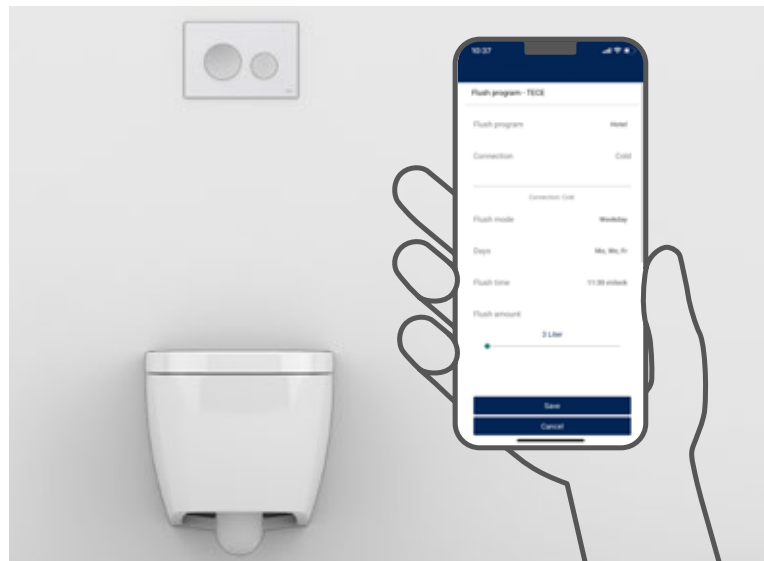
Maximum safety, minimum effort

Installing TECEprofil toilet modules with integrated hygiene flush allows for convenient, individual control of row or ring installations with cold and hot water installations, whether in a closed room or across several rooms. This ensures potable water hygiene over entire floors in hotels or care facilities, for example – without any additional effort.

Everything in the cistern

Programming and logging of the flushing processes is easily done via app or building management system. Inspections are carried out simply by opening the flush plate. No need to plan for additional inspection openings.

Special solution for schools & other establishments

The TECEprofil toilet module with integrated hygiene flush offers the full range of functions with even less effort as a pure cold water variant, especially for cold water installations, which are common in many toilet-only systems.

Preconfigured flushing programs
VDI 6023 and DIN 1988

The user's own flushing programs can
be stored and transferred

Time interval setting
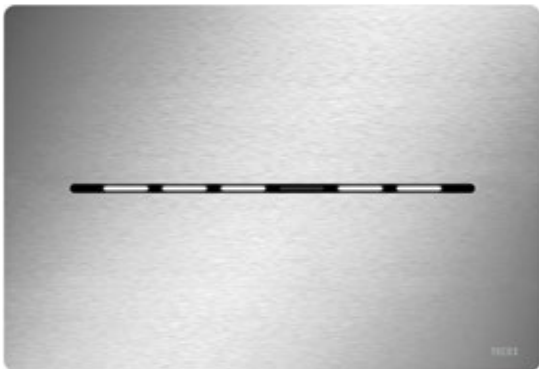
Evaluation/log function

Unique device identification

TECE
SMART
CONTROL

TECEsolid TOILET ELECTRONICS

Two in one for greater hygiene: Touch-free actuation meets programmable flush functions.

The robust stainless steel flush plate not only ensures hygiene during use thanks to its touch-free actuation, but also prevents hygiene hazards when not in use thanks to programmable functions. Flush volumes and intervals are programmed via the free app and thereby ensure hygienic water exchange in cold water systems.

The advantages:

- Robust and durable - thanks to the 2 mm-thick stainless steel surface
- Precise touch-free actuation with ToF proximity sensor
- Single or water-saving dual-flush system
- With mains connection or long-life 6 V battery
- Programming and evaluation/logging function via app

You can find more information here.
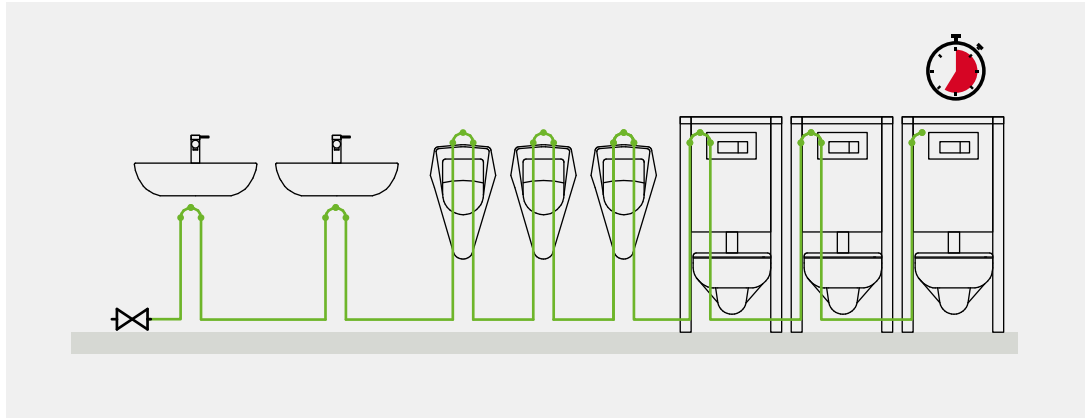
TECEsolid toilet electronics

The contactless actuation of the dual-flush system is achieved via sensors from the camera system, which precisely distinguish from actuation from other user movements. Unintentional flushing is reduced.
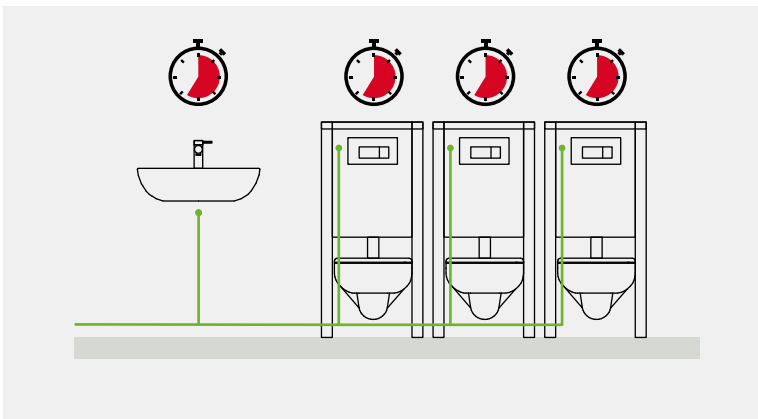
2 cm

Reliability and hygiene in every piping system

TECEsolid toilet electronics ensure safe potable water hygiene wherever only cold water is present or hot water circulates completely.

In a looped-through cold water installation, TECEsolid toilet electronics at the end of the in-line pipe ensure hygiene and safety in the entire pipe system.
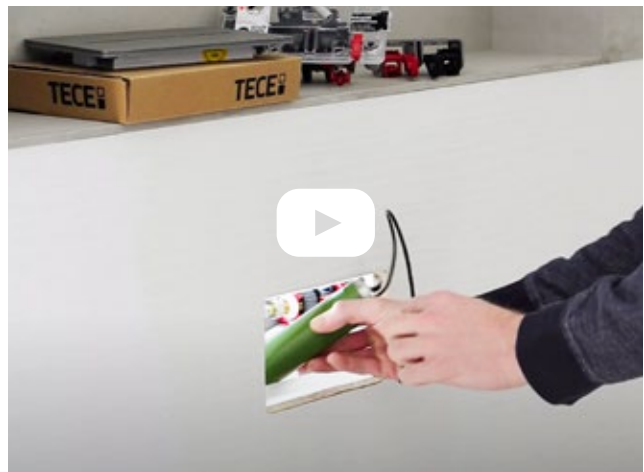

If the washstand and toilets are connected separately or if the connection situation behind the wall is unknown, potable water hygiene is ensured via an automatic washstand flush fitting and TECEsolid toilet electronics at each toilet.

Just add hygiene

The 6 V battery version of the TECEsolid toilet electronics allows you to easily retrofit a hygiene flushing function in every TECE universal cistern in cold water systems. The power supply is provided by a long-life and waterproof battery pack. Programming and logging are also simple and intuitive here with the free TECEsmartcontrol app.

Take a look: Retrofitting hygiene is this easy. Take a look at the installation video

Preconfigured flushing programs VDI 6023 and DIN 1988

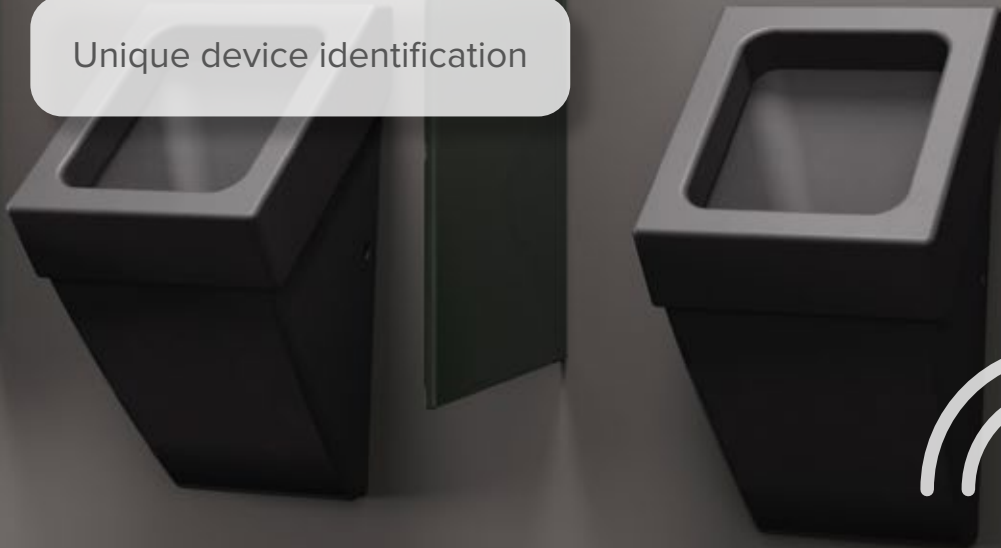The user's own flushing programs can be stored and transferred

Usage recognition, timer is reset

Password protection for device

Evaluation/log function

Time interval setting

Unique device identification

TECE

SMART CONTROL

TECEfilo URINAL ELECTRONICS

The intelligent team player for urinals:
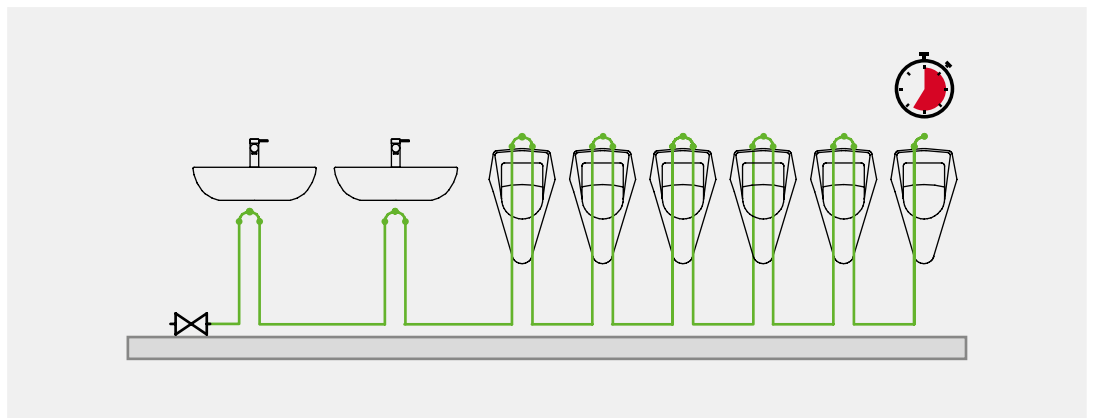Hygienic, precise, extremely attractive.

Touch-free, intelligent and also visually simply versatile thanks to its straightforward shape and the large selection of attractive surfaces: TECEfilo combines all the properties that urinal actuation needs in terms of hygiene, safety and design across the board – for public and semi-public spaces as well as for private bathrooms and toilets.

The advantages:

- Precise touch-free actuation with ToF sensor technology
- Programming and evaluation/logging function via app
- With mains connection or long-life 7.2 V battery
- Suitable for TECEsolid, TECEvelvet and many other TECE toilet flush plates
- Can also be installed flush with the surface with the aid of an installation frame

TECEfilo URINAL ELECTRONICS

Minimalist in design, versatile in function: The intelligent, touch-free urinal actuation features special functions such as the stadium function, lid function and flush function, thereby ensuring particular hygiene in semi-public areas.
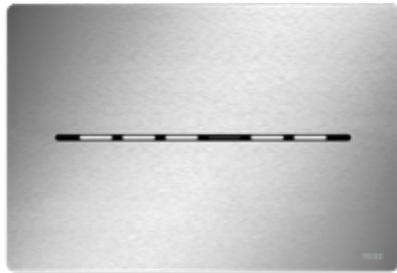

In cold water-only urinal installations, TECEfilo ensures hygienic safety. The intelligent electronics are simply programmed via app. TECEfilo is available with mains connection or long-life 7.2 V battery.
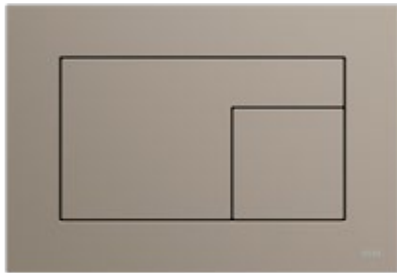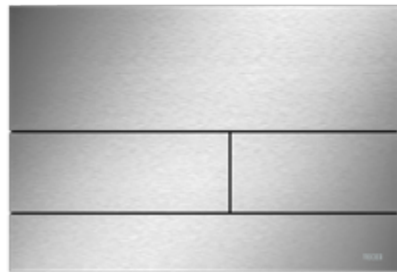
Elegant: As a soloist or team player

For a harmonious composition of toilet and urinal, the flush plates from the TECEvelvet and TECEsolid collections are available as toilet and urinal flush plates. Even in combination with the TECEsquare and TECEnow toilet flush plates, TECEfilo ensures a harmonious overall appearance with its straight design.

TECEfilo-Solid brushed stainless steel with TECEsolid electronics brushed stainless steel
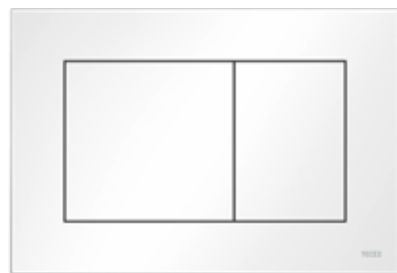
TECEfilo-Velvet with TECEvelvet beige brown (FENIX NTM®) Castoro Ottawa

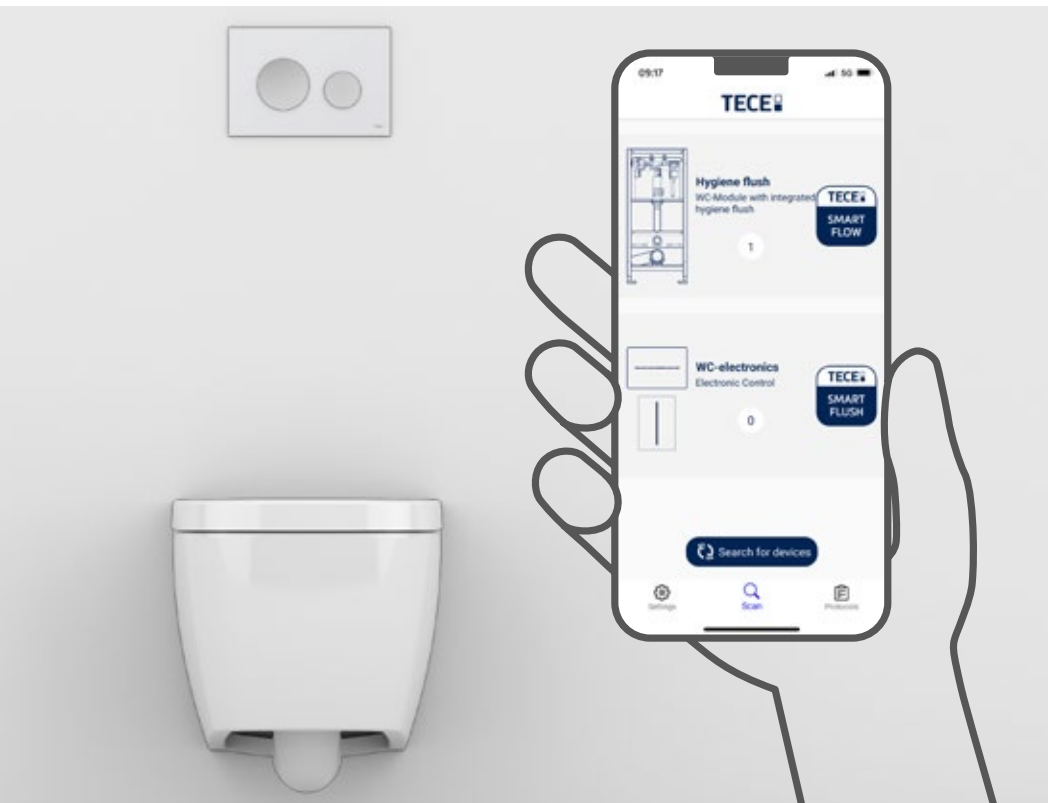TECEfilo brushed stainless steel with TECEsquare brushed stainless steel

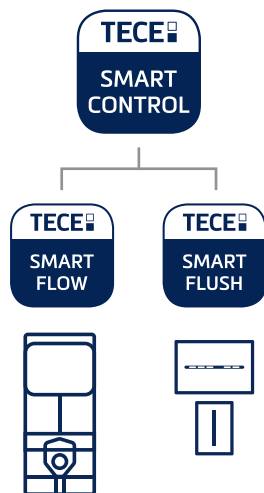TECEfilo black glass with TECEsquare black glass, black buttons

TECEfilo white plastic with TECEnow white

The software:
Programming potable water hygiene is this easy

With the free and easy-to-understand app TECEsmartcontrol, the functions for all TECE
potable water hygiene solutions are individually set in just a few minutes. Simply intuitive.

Take a look: Programming with
TECEsmartflow is so easy.

TECEsmartcontrol

One for all: The free TECEsmartcontrol app enables commissioning and adjustment
of the TECEprofil hygiene flush as well as the electronic toilet flush plates of the
TECEsolid series and the TECEfilo urinal electronics.

Free: The TECEsmartcontrol app.
Download now:

The right solution for every situation: The functions at a glance

		TECEprofil PWC/PWH toilet module with integrated hygiene flush	TECEprofil PWC toilet module with integrated hygiene flush	TECEsolid toilet electronics	TECEfilo urinal electronics
Power	Mains / transformer	✓		✓	✓
	Battery	-	-	✓	✓
Flushes	PWC	✓	✓	✓	✓
	PWH	✓	-	-	-
Parameters and functions	Flush volume	1-100 litres programmable (PWC) 1-20 litres programmable (PWH)	1-100 litres programmable	Optional 1 x or 2 x large flush volume	Programming of flush duration, flush volume depending on flow rate
	Password protection for device	✓	✓	-	✓
	Time interval	✓	✓	✓	✓
	Time (weekdays and time)	✓	✓	-	-
	Preconfigured flushing programs VDI 6023 and DIN 1988	✓	✓	✓	✓
	The user's own flushing programs can be stored and transferred	✓	✓	✓	✓
	Interfaces	BMS, external contact	BMS, external contact	BMS, external contact	-
	Logging feature	PDF with all automatic flushes, 1 entry per day for manual flushes	PDF with all automatic flushes, 1 entry per day for manual flushes	Time of the last interval flush, time of the last manual flush	All automatic flushes, 1 entry per day for manual flushes with the cumulative flush time
	Usage recognition, timer is reset	✓	✓	✓	✓
	Unique device identification	✓	✓	✓	✓
	Requires maintenance	1/a	1/a	-	-
Special features		Compatible with all TECE toilet flush plates	Compatible with all TECE toilet flush plates	Retrofittable via battery pack in the cistern	Stadium function
		Level sensor (overflow protection)	Level sensor (overflow protection)	Recognition range sensitivity	Lid function
		All components pre-assembled	All components pre-assembled	Luminosity and duration	Rinse function
		-	-	Flush function for forgotten flush	-
		-	-	Pre-flush function	Pre-flush function
		-	-	Choice of single or dual flush	-

PRODUCT RANGE OVERVIEW

GERMAN
DESIGN
AWARD
WINNER
2021

GERMAN
INNO
VATION
AWARD '21
WINNER

TECEprofil hygiene flush

TECEprofil toilet module with Uni cistern, with integrated warm and cold water hygiene flushing function, including transformer

Item no. 9300102

TECEprofil toilet module with Uni cistern, with integrated cold water hygiene flushing function, including transformer

Item no. 9300103

New item numbers: Transformer included.

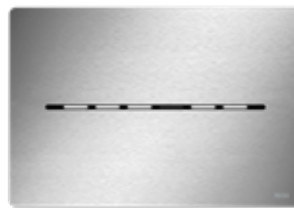# TECEsolid toilet electronics

TECEsolid toilet electronics with touch-free actuation,
Bright chrome
12 V mains   **Item no. 9240451**
6 V battery   **Item no. 9240461**

TECEsolid toilet electronics with touch-free actuation
Brushed stainless steel
12 V mains   **Item no. 9240454**
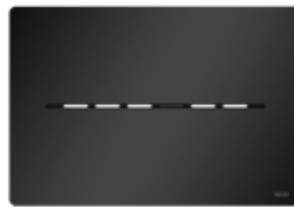6 V battery   **Item no. 9240464**

TECEsolid toilet electronics with touch-free actuation
Bright white
12 V mains   **Item no. 9240452**
6 V battery   **Item no. 9240462**

TECEsolid toilet electronics with touch-free actuation
Matt black
12 V mains   **Item no. 9240455**
6 V battery,   **item no. 9240465**

TECEsolid toilet electronics with touch-free actuation
Matt white
12 V mains   **Item no. 9240453**
6 V battery   **Item no. 9240463**

TECEfilo sensor cover

White glass	Black glass	White plastic	Bright chrome plastic	Brushed stainless steel
Item no. 9242064	Item no. 9242065	Item no. 9242066	Item no. 9242067	Item no. 9242068

TECEfilo solid sensor cover

Bright white	Matt white	Brushed stainless steel,	Brushed stainless steel (AFP)	Bright chrome	Matt black
Item no. 9242072	Item no. 9242073	Item no. 9242074	Item no. 9242075	Item no. 9242076	Item no. 9242077

TECEfilo velvet sensor cover

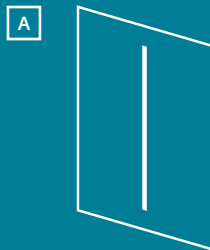| White / Bianco Kos	Black / Nero Ingo	Beige brown / Castoro Ottawa	Grey beige / Beige Arizona	Anthracite / Londra	Stone grey / Grigio Efeso
Item no. 9242081	Item no. 9242082	Item no. 9242083	Item no. 9242084	Item no. 9242085	Item no. 9242086

The TECEfilo modular system

To simplify the ordering process and stock-keeping, the structure of the TECEfilo product range has been simplified. The sensor cover and valve unit are now ordered separately and combined with each other during installation.
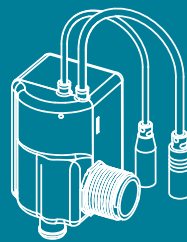
TECEfilo overall package

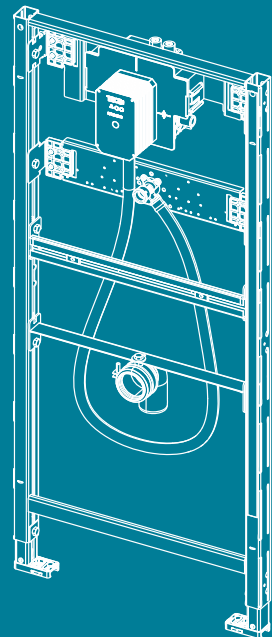The TECEfilo installation always consists of:
A   Sensor cover
B   Valve unit
C   Urinal flush valve housing

TECEfilo valve unit

7.2 V battery
Item no. 9242091

230/12 V mains
Item no. 9242092

TECEprofil & TECEbox

TECEbox urinal flush valve housing
Item no. 9370040

TECEprofil urinal module with TECE flush valve housing U 2, installation height 1120 mm
Item no. 9320013

For more information visit
www.tece.com

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