

XERIS, CELIS and PURIS faucet series with innovative technology, integrated Bluetooth® and direct control via app

## **Simply connected: new E<sup>2</sup> faucet generation from SCHELL**

**The new faucet generation from SCHELL sets the standards to follow when it comes to forward-looking technologies and usability. An intuitive app, accurate triggering and an appealing design: with E<sup>2</sup>, SCHELL is raising the bar for electronic wash basin faucets to a new level – for all installation scenarios and users. With its factory-fitted Bluetooth® module, the new E<sup>2</sup> faucet generation offers intuitive, real-time parameter adjustment plus logging via the corresponding app. The new time-of-flight (ToF) sensor technology ensures accurate operation with no accidental triggering – even while wearing hi-vis vests.**

The new E<sup>2</sup> faucet generation with Bluetooth® inside comprises wash basin faucets from SCHELL's well-known XERIS, CELIS and PURIS series. The user-friendly E<sup>2</sup> app enables lightning-fast configuration and easy data logging for any faucet from the new generation within Bluetooth® range of the user device, while also simplifying a whole host of building management tasks.

### **Accurate sensor technology**

With its time-of-flight technology, the sensor system in the XERIS E<sup>2</sup>, CELIS E<sup>2</sup> and PURIS E<sup>2</sup> faucets is exceptionally accurate, which makes accidental triggering – due to light being reflected from hi-vis vests, for example – a thing of the past. Thanks to its IP67 rating, the sensor module is extremely robust, with optimal protection against dust and water. An LED in the sensor window gives instant notification of a low battery level or an activated cleaning stop.

### **Reliable anti-scalding protection, ingenious design**

All HD-M faucets in the new E<sup>2</sup> series are equipped with mechanical hot water limiting, allowing individual adjustment of the maximum flow of hot water through the faucet. The XERIS E<sup>2</sup>-T features a ThermoProtect thermostat with reliable, high-precision anti-scalding protection and instant water stop if the cold water line fails.

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The new generation exhibits a timeless design that has been painstakingly engineered to include features like a robust, vandal-proof all-metal housing with anti-theft, recessed flow regulator and an easy-to-clean surface.

### **User-friendly, intuitive E<sup>2</sup> app**

The integrated Bluetooth® inside creates a direct connection between the faucet and the app. This makes it easy to save settings from one faucet as a profile and then copy them to another faucet or – by using the group manager – to multiple faucets. For recurring commissioning work, this helps to avoid human error while also saving time. Adjust stagnation flushes to maintain drinking water quality or view battery levels, faucet statuses and logs – all of this is possible with just a few taps in the app.

### **Lightning-fast commissioning with predefined operating modes**

The app also offers three preconfigured operating modes to make parameter setting on E<sup>2</sup> faucets even faster. In 'Save water' mode, the flow of water stops sooner after the user leaves the sensor area – saving valuable resources and improving operating efficiency. The 'Save electricity' mode extends the battery life by optimising the sensor frequency. 'Comfort' mode improves the handwashing experience by starting faster and keeping the water flowing for longer. An 'expert mode' is also available, which offers customised configuration of options to match local circumstances and customer needs, e.g. detection range, flow/follow-up time, etc.

### **Straightforward programming of stagnation flushes**

With E<sup>2</sup> faucets, stagnation flushes are not only available for programming at fixed intervals – such as every 24 hours – but also on a scheduled series of dates, thanks to the built-in real-time clock. This means that flush times can be different at weekends than during the week, for example. This makes it easy for facility managers to set up flushes at times when usage is lower than normal. A third and brand-new option introduced by the new faucet generation is demand-based flushing, a feature that takes into account the way the faucets are being used.

**Smart demand-based flushing**

The new, smart demand-based flushing is the perfect symbiosis of drinking water hygiene and saving water. After allowing for the level of usage on the faucet, flushes are recalculated daily and only carried out if they are needed to guarantee an exchange of water. Flushing is skipped if usage levels are high enough. This ensures compliance with the 72-hour rule (VDI 6023) at all times, without wasting water on flushes unnecessarily.

**Access and save log records**

For building operators, facility managers and planners, the new E<sup>2</sup> technology offers practical, local support for complying with standards and regulations in building operations – both for maintaining drinking water hygiene and for specified normal operation. The app simplifies the record-keeping process needed for legal compliance, with convenient logging of triggering events and water consumption (calculated). All of these logs can also be exported or sent out to external systems for further processing.

**Time-saving, convenient building management via E<sup>2</sup> app**

Thanks to E<sup>2</sup>, building operators and facility managers get an improved overview of sanitary facilities and faucets in buildings. For straightforward data access and management, users can create buildings and rooms as needed in the app. A clear-cut visualisation displays faucet status information and actions required. Lightning-fast commissioning, rapid configuration of stagnation flushes, reliable logging and actions required at a glance: all of this and more is offered by the E<sup>2</sup> app.

**Figures:**

**Pictures: Schell GmbH & Co. KG**

**Downloadable at: <https://www.bluemoon-cloud.de/s/eT7dXJnKTJFipyC>**



*SCHELL\_E²\_XERIS\_01.jpg*

The new E<sup>2</sup> faucet generation from SCHELL scores points with innovative technology like a ToF sensor, integrated Bluetooth® and direct control via app.



*SCHELL\_E<sup>2</sup>\_new faucets\_Composing\_02.jpg*

The new E<sup>2</sup> faucet generation with Bluetooth® inside comprises wash basin faucets from SCHELL's well-known XERIS, CELIS and PURIS series.



*SCHELL\_E<sup>2</sup>\_XERIS\_03.jpg*

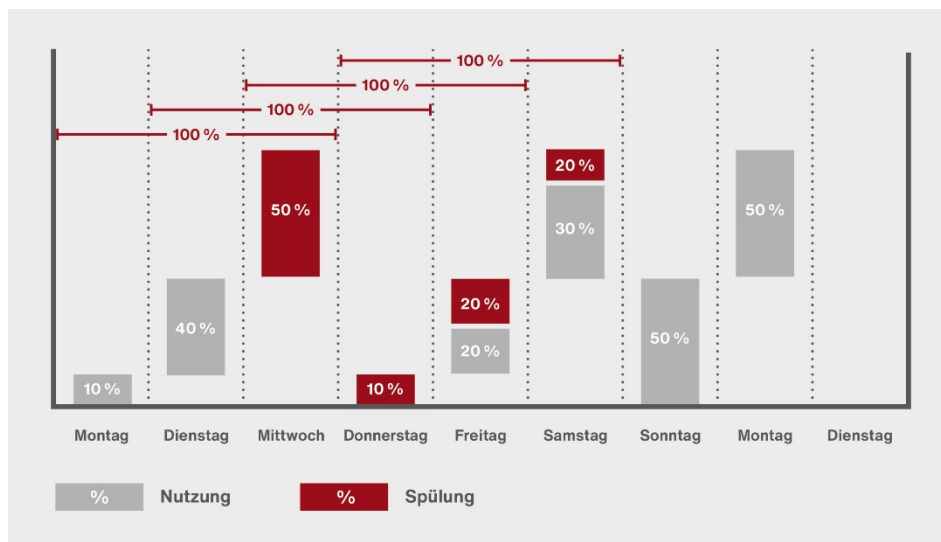
*SCHELL\_E<sup>2</sup>\_CELIS\_04.jpg*

*SCHELL\_E<sup>2</sup>\_PURIS\_05.jpg*



*SCHELL\_E²\_CELIS\_06.jpg*

With Bluetooth® inside as standard and seamless app integration, the new E² faucet generation offers intuitive, real-time parameter adjustment plus logging via the corresponding app.



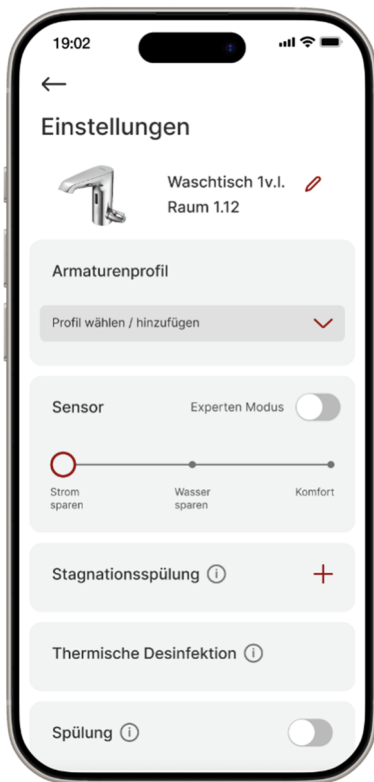
*SCHELL\_E²\_Graphic smart demanded-based flushing\_07.jpg*

Smart demand-based flushing: flushes are recalculated and executed daily, after allowing for usage levels. This ensures compliance with the 72-hour rule (VDI 6023) while minimising water consumption.



*SCHELL\_E²\_App\_starting interface\_08.jpg*

The E² app enables time-saving, user-friendly building management – from the intuitive, lightning-fast parameterisation of faucets and rapid configuration of stagnation flushes through to reliable logging.



*SCHELL\_E²\_App\_operating modes\_09.jpg*

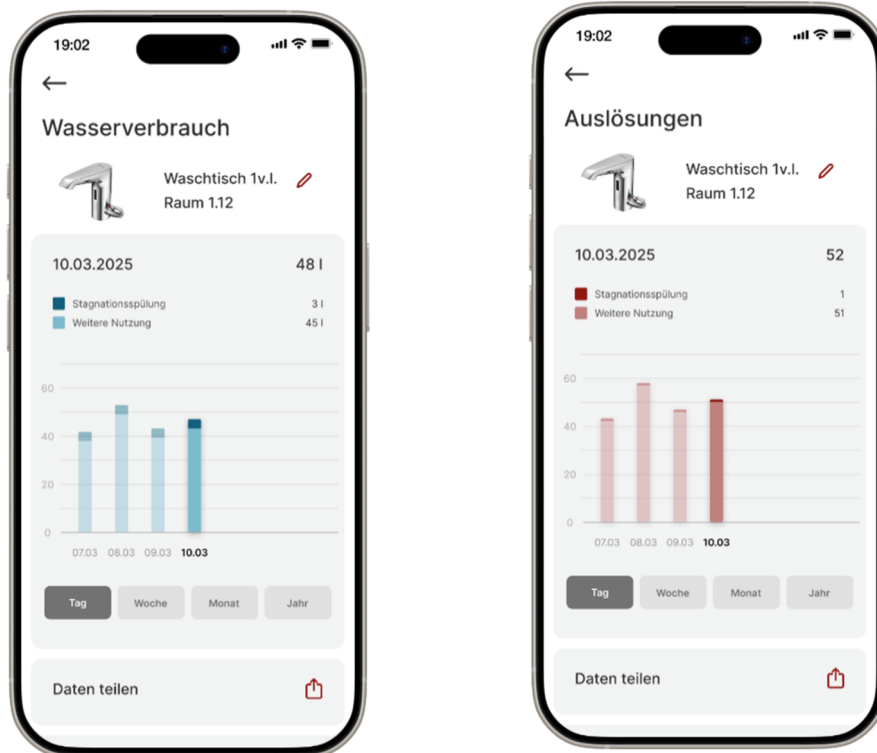
Predefined operating modes for parameter setting: the three preconfigured operating modes – 'Save water', 'Save electricity' and 'Comfort' – make it especially easy to set parameters on E² faucets. Adjustments to settings can be customised even further in expert mode.





*SCHELL\_E²\_App\_Stagnation flush\_10.jpg*

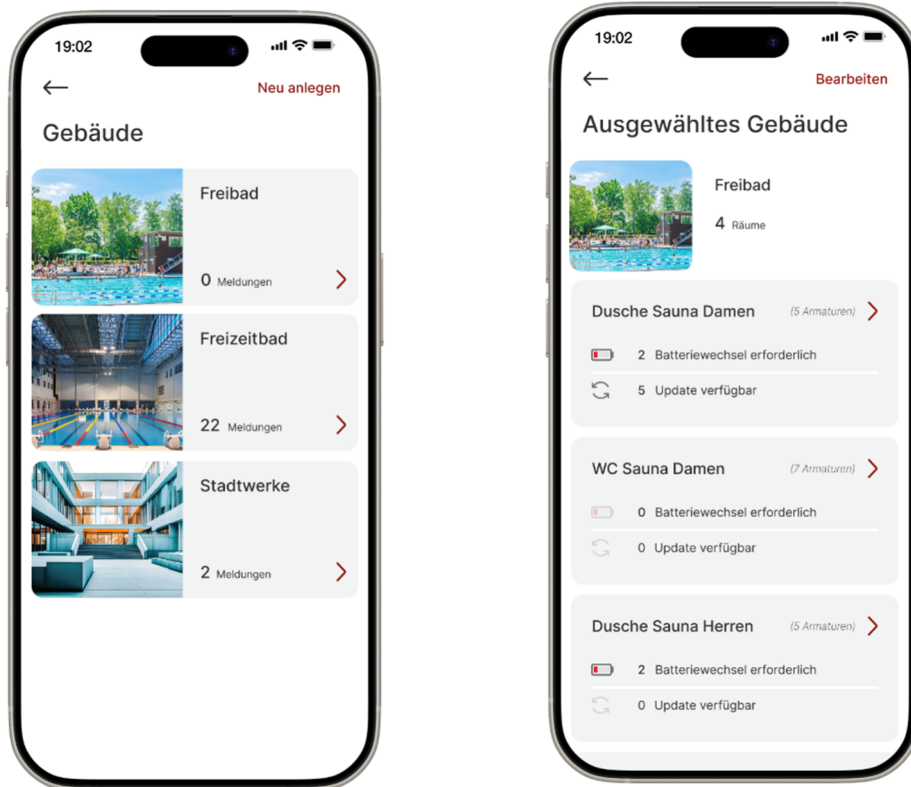
Stagnation flush: New setup options now offer the right solution for any use case: scheduled flushes, cyclic flushes or smart demand-based flushing.



*SCHELL\_E<sup>2</sup>\_App\_water consumption\_11.jpg*

*SCHELL\_E<sup>2</sup>\_App\_activation\_12.jpg*

Access and save log records: The app simplifies the record-keeping process needed for legal compliance, with convenient logging of triggering events and water consumption (calculated).



*SCHELL\_E²\_App\_building management\_13.jpg*

*SCHELL\_E²\_App\_building management\_selected building\_14.jpg*

Time-saving, convenient building management: create buildings and rooms, all faucet statuses and actions required at a glance, group manager for more efficient parametrisation and management of local faucet groups – all of this and more is offered by the E² app.

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### About SCHELL:

Based in Olpe in Germany's Sauerland region, SCHELL GmbH & Co. KG is an international specialist for fittings, innovative products in the field of sanitary equipment and digital solutions for maintaining drinking water quality. The company is the global leader for water management systems and angle valves. The product portfolio for sanitary facilities on public and commercial sanitary premises also includes faucets and fittings for any point of use in a building. Formed in 1932, the business continues to be one hundred percent family-owned and run, and is currently managed by Andrea Bußmann and Andreas Ueberschär. SCHELL employs around 450 people and operates in over 80 countries worldwide. The company maintains a high degree of vertical integration for its premium, multiple award-winning 'Made in Germany' fittings – 15 million of which are produced every year. Sustainability is a key priority at Schell, with the company's two Olpe-based factories handling the entire, resource-friendly production process. All items are also manufactured with an eye on maximising product durability. Once installed, the fittings make an important contribution to both drinking water and user hygiene.

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