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Press release

The future of sanitary facilities - Smart urinal flushing with innovative room sensor



The ceiling-mounted Smart Urinal Sensor communicates wirelessly with the Smart Urinal Unit that is integrated behind the urinal and that consists of the locking water flow, solenoid valve and control unit for wireless communication in each case.

Public toilet facilities are, by and large, a necessity not a luxury: The ideal trio for urinal systems is optimal cleanliness, hygiene and no unpleasant odours. It is often the case that not even one of these aspects is done well. For this highly frequented area of application, only absolutely reliable functional components should be used.

The best solution for this is the new F5 Smart Urinal Sensor, which uses central room monitoring to individually flush multiple urinals. The sensor is mounted on the ceiling and registers when a user is present in the room using only physical parameters, i.e. without the use of any cameras. The unobtrusive plastic housing, which is available in white or black, contains a control module that can also detect multiple users at the same time. The sensor communicates wirelessly with the Smart Urinal Unit that is integrated behind the urinal and triggers the flushing. This unit consists of the water flow including locking and solenoid valve in combination with a control unit for wireless communication, optionally with a power supply unit or for battery operation.

With no tap components visible from the outside, the Smart Urinal Sensor offers absolute architectural freedom when designing the room and optimal security against damage or manipulation. Furthermore, the flushing system reduces installation times and acquisition costs, as just one sensor is required for up to 20 urinals.



An app is available for commissioning and controlling the Smart Urinal Sensor, and this also allows you to program additional functions, such as calendar-based flushing times or recording statistical data. Furthermore, system functions, such as the "function for preventing simultaneous flushing" on the flush buttons can also be implemented. This means that, when multiple urinals are used at the same time, the individual flushing processes are started one by one in order to achieve a cleaner flushing result. The lower water volume that is required in the pipe system for the serial flushing also contributes to optimal drinking water hygiene and cost savings when designing the pipe dimensions.

The Smart Urinal Sensor and the corresponding unit are currently available on the most common ceramic urinals. You can find an overview of the available ceramic urinals in the product information on our website www.kwc.com.

KWC Group Ltd.

KWC Group Ltd. is an international premium manufacturer of taps and comprehensive sanitary solutions. In 2022, the brands belonging to the corporate Group, which are KWC, Franke Water Systems, DEKO and DVS, began operating under the name KWC Group Ltd. The Group manufactures high-quality products for domestic consumers, (semi-)public institutions and the medical sector at six locations throughout Europe and Asia. KWC Group Ltd. combines more than 150 years of tradition and innovation with advanced expertise in technology and materials coupled with superior design. Sustainability, hygiene, safety and enthusiasm are among the values that best describe the Group. The headquarters of KWC Group Ltd. are in Unterkulm, Switzerland. The Group employs more than 1,000 staff worldwide.

Further information

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