**New drinking water circulators**

In March 2023, the pump and valve manufacturer KSB SE & Co KGaA launched a new high-efficiency circulation pump.

The new CalioTherm S is a maintenance-free glandless pump designed for pumping drinking water in closed circuits, which are commonly found in single-family or two-family houses as well as in larger building projects. It serves to pump hot drinking water to the tapping points, and then back to the water heater through the circulation line. This means that hot water is available at the tapping points without any delay.

Like the other Calio pumps the new circulators offer a high-efficiency permanent magnet motor to achieve top efficiencies. With one-touch operation the flow rate can be adjusted via three speed levels. In the event of a blocked rotor the motor stops automatically, and a fault is indicated. Three LEDs display the operating status.

Threaded ends are available as Rp ½ internal thread (EN 10266) or as an optional screw-on set with an integrated lift check valve and a G 1 external thread (DIN ISO 228). The maximum flow rate equals 0.7 m3/h. The pump's maximum head is 1.4 m. The drinking water temperature should measure between +5 °C and +65 °C.

The new pump sets can be supplied with either a plug or a cable. This enables electrical connection without any tools. The volute casings of the new pumps are made of brass CW612N, the impellers are made of glass fibre reinforced plastic. The shafts and the cans are made of ceramic materials.

Photo: The new high-efficiency circulators of the CalioTherm S series pump hot drinking water in closed circuits. (© KSB SE & Co. KGaA, Frankenthal)