

Bürkert awarded with certificate as part of the Baden-Württemberg Environmental Technology Prize

Small solenoid valve – large saving

Bürkert Fluid Control Systems competed in this year's Environmental Technology Prize of the State of Baden-Württemberg with an innovative solenoid valve. With great success: the fluidics specialist was nominated for the prize and received an award.

Every two years, the Baden-Württemberg Ministry for Environmental, Climate and Energy Industry has awarded innovative environmental technologies that contribute to resource efficiency and environmental preservation since 2009. The prize is endowed with a total of 100,000 Euros.

In 2023, over 100 companies from Baden-Württemberg entered their products and procedures for a chance to be nominated with their innovations.

Bürkert Fluid Control Systems participated in the Energy Efficiency category with the "Type 6724 Whisper Valve" solenoid valve in the pulse version and was nominated for the prize. As part of a celebratory event at the end of October, Chief Technical Officer Stefan Müller, Product Manager Michael Hartte and Ralf Scheibe from the Research & Development Department received the certificate from State Secretary Dr. Andre Baumann.

"The Environmental Technology Prize is a good opportunity to raise awareness of innovative technical solutions and present them to a wider audience. The exchange between companies has been strengthened and enables thinking outside the box," says Ralf Scheibe of the advantages of participating in the competition.

The advantages of the Type 6724 Whisper Valve

The Whisper Valve submitted is a small solenoid valve that only needs a short current pulse and then maintains its switching position. By comparison, a classic solenoid valve needs a permanent current. The electricity demand in operation is therefore significantly reduced with the Bürkert valve. In terms of figures, this means that it only requires approx. 0.5 per cent of the usual energy demand compared to a standard product. "This means that batteries and power supply units will become smaller and resources can be saved in different areas of the end device," explains Ralf Scheibe, and adds: "It has also been constructed – unlike the standard commercial valves today – so that materials can be separated by type." However, to reliably connect the individual components, snap and press-fit connections have been used, for example. "Along with energy saving, this is another important aspect with regards

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to environmental protection and resource preservation,” states the team coach from the Research and Development Department at Bürkert.

Even with three other companies taking the top places in the Energy Efficiency category, Bürkert received prize money of 1000 Euro along with the certificate for the nomination. This will now be donated to the BUND, the Federation for the Environment and Conservation. Bürkert will still be tinkering around with efficient innovations in the future, because “the prize motivates us to keep working on solutions that combine technological progress with environmental protection,” summarises Ralf Scheibe.



Bürkert was represented at the certificate presentation for the Environmental Technology Prize by Stefan Müller, Chief Technical Officer (far left) Ralf Scheibe, team coach from the Research and Development Department (second from right) and Michael Hartte, Product Manager for the Whisper Valve (far right). The certificate was presented by Dr. Andre Baumann, State Secretary of the Baden-Württemberg Ministry for the Environment, Climate and Energy Industry (2nd from left).

About BÜRKERT

Bürkert Fluid Control Systems is one of the world's leading manufacturers of measuring, control and regulating systems for liquids and gases. Bürkert solutions are used in a wide range of industries and applications – ranging from breweries and labs to medical, bio-engineering and aerospace technology. With a portfolio of more than 30,000 products, Bürkert is the only supplier to offer all fluid control system components, from solenoid valves to process and analytical valves, from pneumatic actuators to sensors.

With its headquarters in Ingelfingen in southern Germany, the company has a wide-ranging sales network in over 30 countries and more than 3,500 employees worldwide. Bürkert continuously develops customized solutions and innovative products at its five Systemhaus locations in Germany, China, and the USA, and in four research centers.

Further information at:

www.burkert.com

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