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New steam test bench for control and on-off valves

Schubert & Salzer Control Systems expands the testing options for its high-performance industrial valves. The test system is integrated in a highly efficient energy supply system for the entire production site.

Ingolstadt. – Research and development are decisive factors for the quality of the control and on-off valves from Schubert & Salzer Control Systems. With the new steam test bench, the company has now created options for its own product tests that go well beyond the industry standard. Longer and more intensive tests of different valve types and electronic components have been possible at the company's headquarters and production site in Ingolstadt since February 2023.

Outstanding research and development possibilities

All relevant properties of control and on-off valves – such as speed and precision or leak-tightness – can now be tested intensively under real conditions and further improved. Long-term tests and thermal load tests are also performed in-house. The test bench's steam boiler can produce up to 400 kilograms of saturated steam per hour.

As a result, industrial customers benefit from much more application-specific tests and even more practically oriented training courses and presentations, because applications can also be realistically simulated on the new test bench. The investment is thus a very good supplement to the water test bench – which was only modernised a few years ago – in the customer training centre at Schubert & Salzer Control Systems.

Highly efficient energy supply and air conditioning technology for the site

The steam test bench is integrated in a state-of-the-art power station with a combined heat and power plant. The configuration of the plants, which is perfectly tailored to the company's own needs, supplies the entire Schubert & Salzer works site in Ingolstadt with green electricity and thermal energy. The latter is used for heating or, converted by absorption refrigeration, for cooling for the air-conditioning of the premises. A stratified storage tank additionally increases the efficiency and enables the needs-based use of heating and cooling.

The sophisticated plant and building technology enables the valve specialists to further pursue their own climate protection goals and to

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equip the site for the future in terms of energy. For that reason, the combined heat and power plant is already prepared for the use of green hydrogen.

About Schubert & Salzer Control Systems:

As a fast-growing high-tech company, Schubert & Salzer Control Systems develops, produces and distributes highly precise industrial control and on-off valves which are applied in process engineering. Based in Ingolstadt, it offers customers quality products “Made in Germany” directly or through subsidiaries in the Benelux, England, France, India and the USA as well as more than 40 international partners.

Valves from Schubert & Salzer are amongst the most efficient on today’s market when it comes to energy consumption, durability and noise pollution. Their compact design and high control quality ensure low installation and maintenance requirements as well as high operational and process reliability with exceptionally long service lives.

The valves are used, for example, in the manufacture of chemical and pharmaceutical products, in food processing, in the bottling of beverages or in the production of steel, paper, textiles or plastics, as well as in the manufacture of vehicle tyres. Wherever liquid and gaseous media have to be controlled, Schubert & Salzer Control Systems offers a tailor-made solution.

More information: controlsystems.schubert-salzer.com

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