

Create transparency. Increase efficiency.

Measurement technology creates transparency to reduce energy consumption

Rivella group

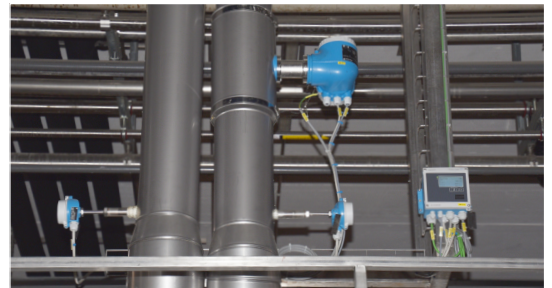
Rivella is one of Switzerland's best-known beverage brands. The company was founded in 1952 by Robert Barth and remains family-owned to this day. Rivella stands for Swiss heritage, innovation, and natural ingredients. Its unique recipe, based on whey, is what sets it apart. Today, the Rivella Group employs approximately 230 people and is one of Switzerland's most popular soft drink manufacturers.

"The collaboration was pleasant and solution-oriented. For us, reliable and transparent data collection is the key to achieving efficiency and decarbonization – because we can only make targeted improvements to what we measure."

Ismail Ibraimi
Project Manager, Technology & Innovation
Rivella Group



Ismail Ibraimi



Flow and Temperature Measurement with a BTU meter

Rivella is committed to sustainability and pursues a clear vision: emission-free production. By the early 2030s, Rivella aims to halve its energy consumption from fossil fuels in production as an interim goal. Rivella will lay an important technical foundation for this by the end of 2025 through transparent tracking of relevant energy consumption.

Customer Requirement

Rivella's key project requirement was to measure and transparently track energy consumption directly at the points of origin. This required high-precision measurement solutions for high-pressure hot water, as well as a device that calculates energy data directly and presents it in an easy-to-understand format. Due to a very tight timeframe, the delivery and installation of the measuring devices had to take place exactly during the maintenance window.

The Solution

To meet the project requirements, Rivella relies on a combination of precise measurement technology and intelligent data analysis. Using flow

and temperature measurements as well as BTU meters, energy consumption is recorded transparently and traceably for the first time. The meter calculates the measurement data directly within the device, making it easier to understand energy flows. Thanks to Endress+Hauser's unique electrode cleaning system, measurement accuracy is guaranteed even with high-pressure hot water containing magnetic particles. Based on the measurement data, specific improvement measures can now be defined, and the results can be tracked transparently.



Benefits

- Reliable measurement data as the basis for sustainable energy optimization
- Reliable measurement of high-pressure hot water
- High measurement stability even in the presence of magnetic particles
- Direct energy calculation and visualization in the measuring device



Scope of delivery

- Proline Promag P 300 electromagnetic flow-meters
- iTHERM ModuLine TM131 industrial modular thermo-meters
- EngyCal RH33 BTU meters



Proline Promag P 300



iTHERM ModuLine TM131



EngyCal RH33

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