



CHARBONNEAUX-BRABANT

Automated flavour dosing for products containing vinegar

We make ideas flow.

bürkert
FLUID CONTROL SYSTEMS

CHARBONNEAUX-BRABANT

REGULATION AND DOSING OF FLAVOURS FOR VINEGAR-BASED PRODUCTS, FOR FOOD USE AND OTHER APPLICATIONS

As a leading partner for manufacturing, the Bürkert Group provides comprehensive and customised solutions to meet the challenges of the most complex and demanding industrial processes.





Founded in 1797, Charbonneaux originally manufactured soap before gradually shifting its focus to the denaturation of alcohol.

Its activities evolved over time under the guidance of the Charbonneaux family, with six successive generations between 1797 and 1962. In 1962, Charbonneaux joined the Brabant family group, a major player in the alcohol distillation industry. The acquisition of the vinegar producers Société Gouthière Detré in 1966, followed by the acquisition of Maison Florida in 1975, marked the beginning of Charbonneaux-Brabant's expansion into the food sector (vinegar and mustard).

The teams at Bürkert France contributed to the development of a project for automating flavour dosing on a 5-litre can filling line, which was previously done using blends prepared in tanks.

To improve efficiency and achieve better volume control, Charbonneaux-Brabant sought a more agile solution that would allow for direct, inline injection of flavours as well as optimise the time between each batch and reduce water consumption during cleaning and rinsing stages.

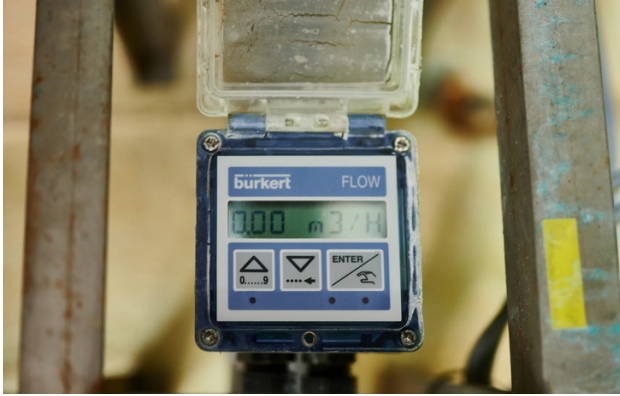
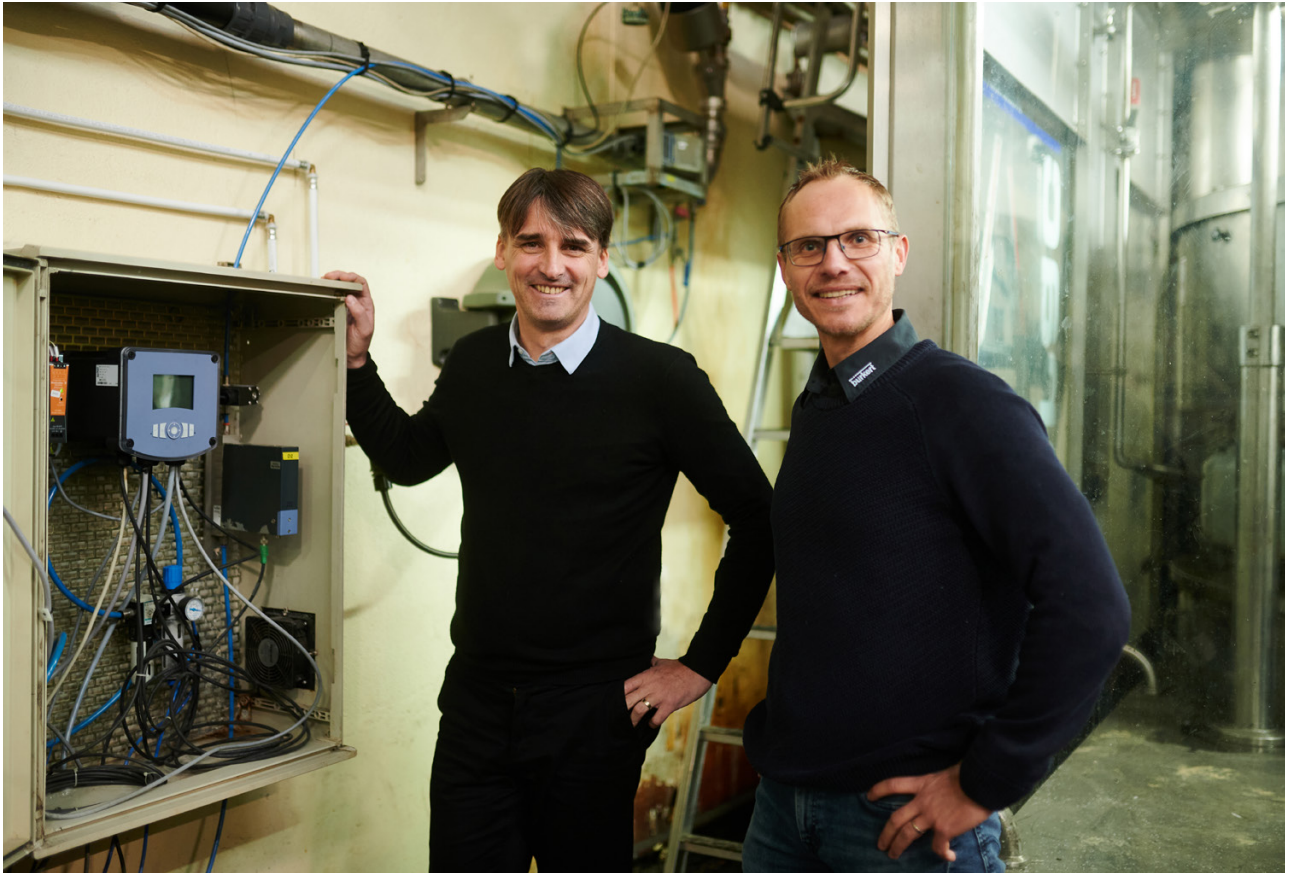




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1797

“We were impressed with the support provided by Bürkert, to the extent that we are considering replicating the process for other applications, particularly for dosing household alcohol flavours subject to ATEX guidelines, for which our partner has proven expertise,” says Alexandre Cuvillier.



Details of the devices

In detail



Type 8619 MultiCELL transmitter/controller

- Reliability of the process thanks to intelligent monitoring and control
- Efficiency thanks to automation via digital interfaces
- Process control stability due to precise dosing



Mass flow meter type 8756 with Coriolis technology

- Precise measurement
- High level of repeatability
- Reliable and flexible



Flow transmitter type 8035

- Automatic calibration
- Dosage function



Angle-seat control valve type 8802YG

- Excellent control characteristics
- High flow rate
- Reliability
- Easy to use and install
- CE1935/204 certification



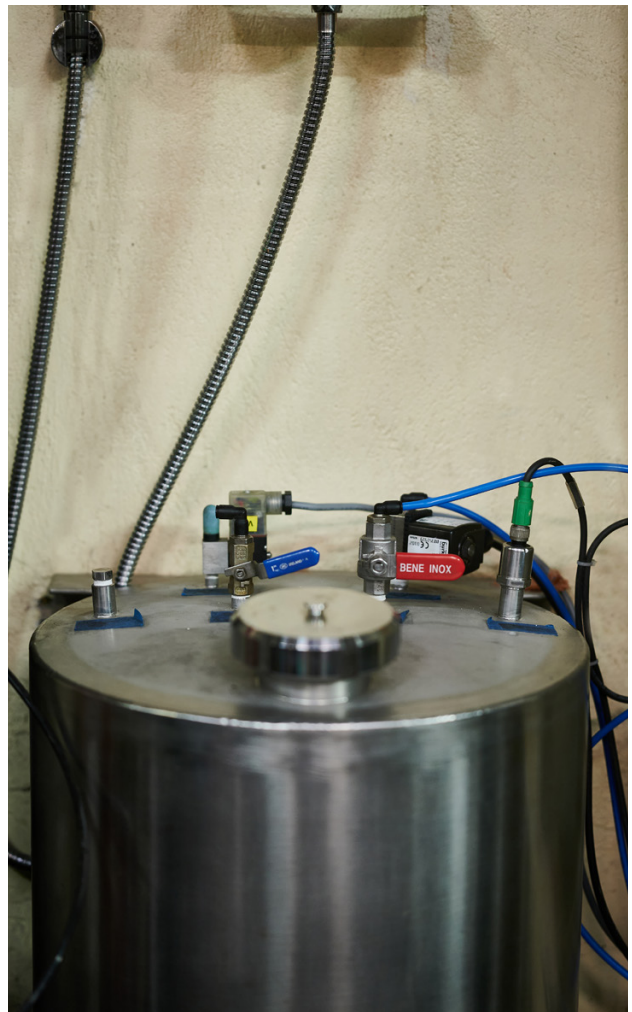
Proportional solenoid valve type 2871

- Excellent range
- Seat up to 2 mm
- Long service life
- Integrated shut-off function



Pressure transmitter type 8316

- In-built transmitter
- High-quality stainless steel
- Compact
- Reliable



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