



MONIN

# Expertise in sustainable water reuse

We make ideas flow.

**bürkert**  
FLUID CONTROL SYSTEMS

# MONIN

## Bürkert's expertise in sustainable water reuse

The LIFE ZEUS project initiated by MONIN in Bourges, France, represents a major step forward in the sustainable management of water resources.

Supported by the European Union's LIFE programme, this project aims to achieve 'zero liquid discharge' by reusing industrial water from production processes.

With an investment of €4 million, this project demonstrates the technical and economic feasibility of a circular model that recovers effluent and saves 40,000 m<sup>3</sup> of water a year.

Bürkert has played a key role, working closely with MONIN to design and supply bespoke solutions for process valves and valve automation.

The world leader in fluid control systems supplies and integrates solutions tailored to the LIFE ZEUS project's specific needs.

These valves, essential for regulating and controlling fluid flows in the membrane filtration process, include a full range of models such as swivel plate, ball and butterfly valves.

The MONIN logo features the brand name in a bold, serif font, with a small, colorful, multi-segmented icon above the letter 'I'.

**MONIN**®



MONIN, a century-old French family business, is renowned the world over for its wide range of syrups, fruit purées and concentrates for gastronomy and mixology professionals, distributed in over 150 countries.



# Equipment details

## In detail



**Digital angle seat valve Type 2100**  
Modular solution integrating valves, actuators and control units for precise fluid control.



**Control unit Type 8694**  
Positioner for control valves. This system combines control and diagnostics in a robust housing for optimised integration.



**Control valve Type 2301**  
Our electro-pneumatically operated valves can be integrated in digital automation units – whether as a simple positioner, a positioner with an optional fieldbus interface, or a digital process controller operated via a graphic display. The compact system features integrated pilot air channels and maximum service life, tightness and chemical resistance.



**Hygienic rotary actuator Type 2053**  
Versatile actuator designed for precise, reliable valve operation solutions.



**Butterfly valve Type 2671**  
This butterfly valve is intended for applications requiring robust fluid management, with a compact and durable design.



**Control unit Types 8691 | 8681**  
Compact pneumatic control unit designed for process valves, offering precise operation and position feedback.



**Ball valve Type 2654**  
Ball valve for efficient management of high-pressure fluids thanks to its design.



MONIN, which has been using Bürkert equipment for over a decade on its production site, praises the supplier's technical support and ability to offer a complete solution.

The implementation of these solutions has enabled a significant reduction in operational complexity thanks to the automation and standardisation of components.

MONIN now benefits from a new, reliable, modern and efficient process that meets sustainability and food compliance requirements.

The LIFE ZEUS project's success paves the way for an extension of this approach to other MONIN production sites. The aim is to generalise this model of industrial water reuse, thereby contributing to optimised management of water resources in the food and beverage industry.

# About Bürkert

Bürkert Fluid Control Systems is one of the world's leading manufacturers of measurement, control and regulation systems for liquids and gases. Bürkert's products are used in a wide range of industries and applications – from breweries and laboratories to medical technology, bioengineering and aerospace. With a portfolio of more than 30,000 products, Bürkert is the only supplier to offer all the components of a fluid control system: from solenoid, process and analysis valves to pneumatic actuators and sensors.

The company is headquartered in Ingelfingen in southern Germany and has an extensive sales network in 36 countries with over 3,700 employees worldwide. With five system houses in Germany, China and the USA as well as four research centres, Bürkert is continually developing individual solutions and innovative products.

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