

# Hygienic Processing and Steam: Dairy Process Control



**bürkert**  
FLUID CONTROL SYSTEMS

# Dairy Process

## Clear, Clean, Experienced

### Experienced in Dairies

An otherwise unattainable synergy of hardworking valve elements, process actuation, sensors and networked communication provide a true single source for remarkably attractive systems.

Burkert is your partner in dairy process control. We speak the language of dairy production and we have valuable experience in dairy applications, at OEM, contractor and plant levels.

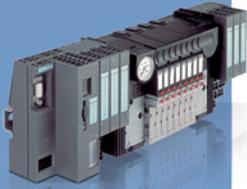
We collaborate with you in the real physics of batching, cleaning, water handling, filling, heating, cooling, separating or pasteurizing. We can share our experience in complete control loops for flow, conductivity, pH, temperature, pressure or level and can help you determine the most effective communications architecture.

Everyone in our organization is interested in listening to you with the aim of presenting you with only the most appropriate solution, fluently in your daily application language.

In the dairy world where compactness, smart communication, plant footprint, wash-down and reliability are everyday concerns we provide process efficiency and higher yields by offering you unlimited process modularity.

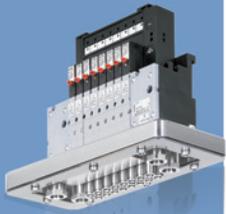


# Control



## AirLINE

Our process actuation and control system integrates high performance solenoid pilot valves, remote electronic I/O and fieldbus communication. It is compact, extremely flexible and modular.



## AirLINE Quick

The diverse areas of application for the Type 8640 valve terminal and the Type 8644 automation system are expanded by the AirLINE Quick system with a stainless steel adapter plate and stainless steel push-in connectors for hygienic applications. Installation and commissioning are reduced to a minimum.

## Modular Diaphragm Valve System

Pioneering innovation has created a remarkable range of attractive and efficient diaphragm on/off and control valve modules, supplied as standard with dairy process connections. All of which can be combined to give you the best possible match for both the media and the application.

## Modular Seat Valve System

Modular seat valve system designed especially for steam and liquid media found in CIP, pasteurization and wash-down systems. With advanced on/off and modulating control features, de-centralised automation and fieldbus communications systems. High life cycles are built in standards from Burkert, to ensure maximum production availability.



## Full Bore Magflowmeters

For low to high-flow continuous measurement or batch control. The Type 8051 controls high precision dosing and filling when combined with a valve as its actuating element.



## Radar Level Transmitters

Our non-contact radar level transmitter for continuous level measurement is particularly suitable for use in vessels that contain liquids under sanitary process conditions.



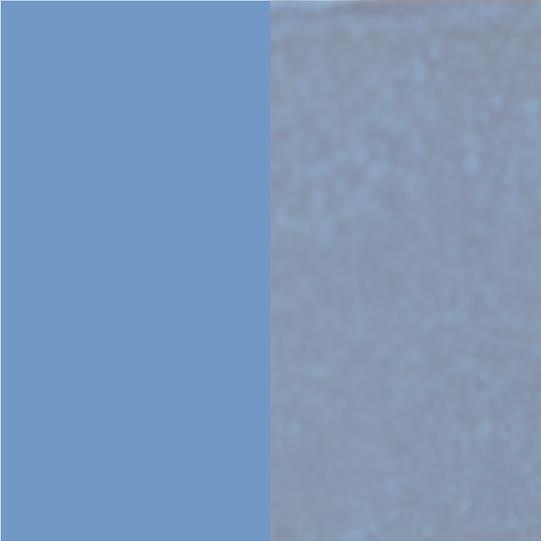
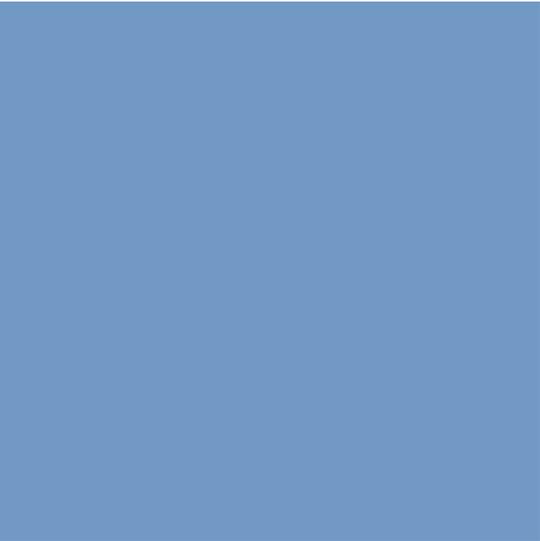
## Analytical Transmitters

Burkert has integrated sophisticated, simple-to-use controls into its pH and conductivity transmitters. These have event logging and industry standard conformance. Perfect for hygienic processes and your CIP environment, the new sensor designs have glass-free enamel technology, FDA approved materials and high surface finishes.



## Universal Hygienic Control Head

A new range of control heads for the de-centralised pneumatic automation of butterfly, ball, and mix-proof valves. With the appropriate IP class and chemical resistance combined with smooth external lines. The perfect choice for your environment.



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