

More Than the Sum of its Parts: Individual System Solutions by Bürkert.



The picture to the left is just one example of how Bürkert can provide complete system solutions. Bürkert's controller type 8620 is shown receiving inputs from the 8202 pH transmitter, an 8202 ORP transmitter and the 8222 Conductivity transmitter. These inputs along with flow, level and corrosion monitoring are used to maintain critical chemistries through 13 digital and analog outputs. Chemical pumps or valves can be controlled via pulse, on/off or analog signals. All of these conditions can be configured to meet your specific process requirements. Real time process alarms and data logging as well as modem or Ethernet give our customers unprecedented monitoring and control of their system performance.

Type 8620

Multi-parameter controller for use in cooling towers, reverse osmosis and boiler systems. It saves time and space by allowing parameterization and data logging of a wide number of control variants via an SD card slot, USB connection or via an Ethernet interface. Up to eight functions can be performed simultaneously by utilizing up to 23 I/O points.



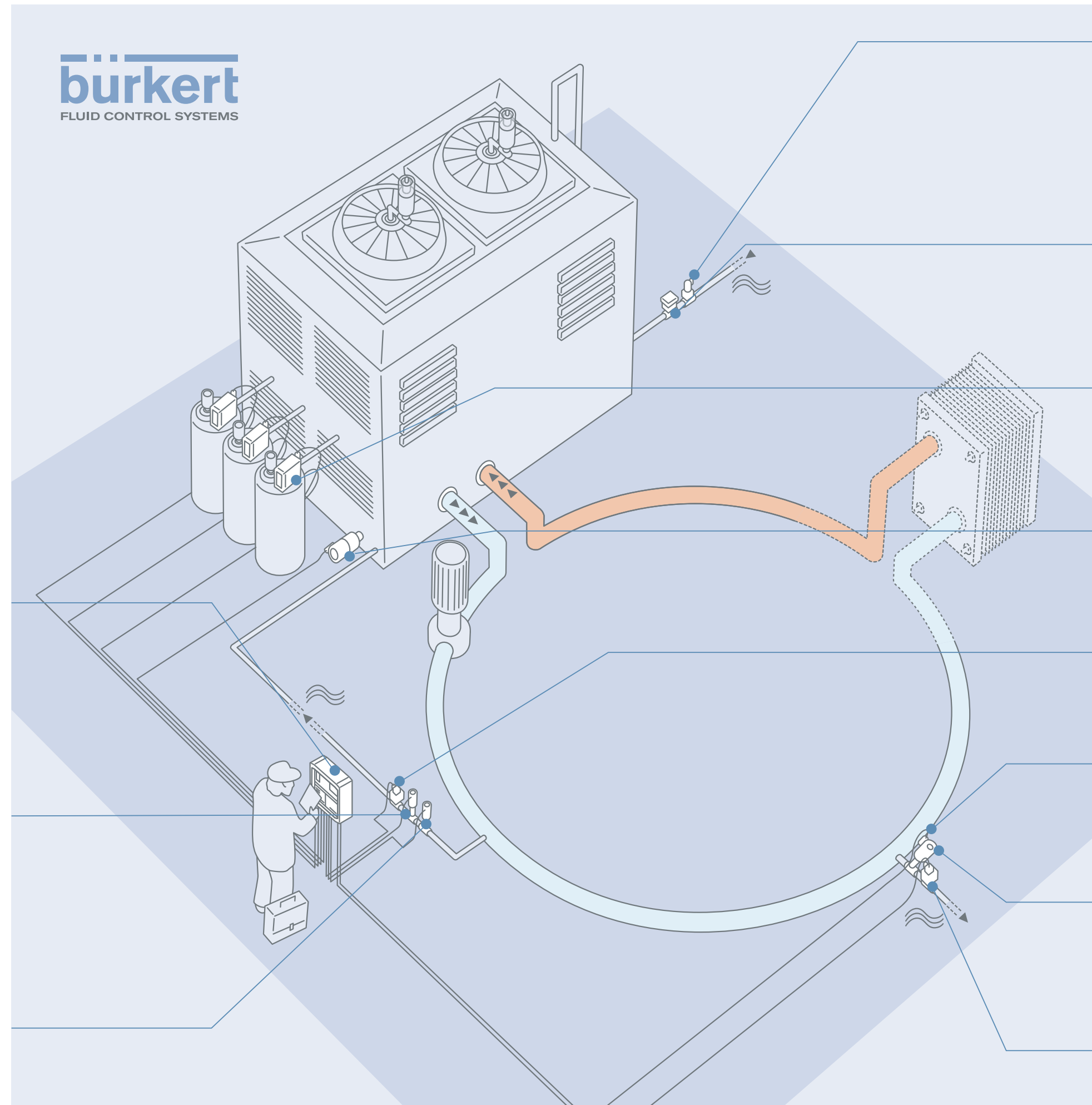
Type 8222

DUAL-compact field transmitter for conductivity and temperature. Direct inline or bypass pipe mounted via a standard true-union fitting. The 8222 utilizes 3 different electrodes which are determined by liquid conductivity covering a broad range from ultra pure water ($0.05 \mu\text{S}/\text{cm}$) to industrial sewage water ($10 \text{mS}/\text{cm}$). Integrated switches are optional for diagnostics, high/low alarm purposes or for simple on/off controller functions. The programmer unit with backlit display can be left in the unit for local display or removed leaving the transmitter blind.



Type 8202

DUAL-compact field transmitter for pH/ORP and temperature. Direct inline or bypass pipe mounted via a standard true-union fitting. The 8202 utilizes any standard 120 mm pH or ORP electrode with a PG13.5 electrical connector. Integrated switches are optional for diagnostics, high/low alarm purposes or for simple on/off controller functions. The programmer unit with backlit display can be left in the unit for local display or removed leaving the transmitter blind.



Type 6213

Pilot assisted solenoid allows partial opening of the diaphragm with 0 psid. Perfect for standard potable water applications. Brass or SS body with sizes ranging from 1/4"-2" NPT (DN 10-50 mm), and 0-145 psi (0-10 bar).

Type 8035

Paddle flow 4-20 mA transmitter plus pulse output for continuous flow measurement. Optional integrated switches for high/low flow conditions. Body materials made of PVC, PP, PVDF, SS and brass ranging in sizes from 1/2"-2" NPT (DN 13-50).



Type 7800

Digital dosing pump for continuous dosing through a microprocessor-controlled stepper motor. Works at the maximum stroke length with a high degree of accuracy. Multi-language menu.

Type 8110

Vibrating tuning fork level switch for applications where highly contaminated or coating liquids exist and moving parts are not desired.



Type 8010

Simple paddle flow switch. Feedback ensures that the 8620 controller does not add chemicals if the system is not in operation.

Type 6014

3-way solenoid for piloting pneumatically operated valves.



Type 2000

Reliable and maintenance-free pneumatically operated angle seat valve. Available within both brass and SS ranging from, from 1/2"-2 1/2" (DN 13-65). High flow rates and cycle life are extended due to its frictionless seat design.



Type 8045

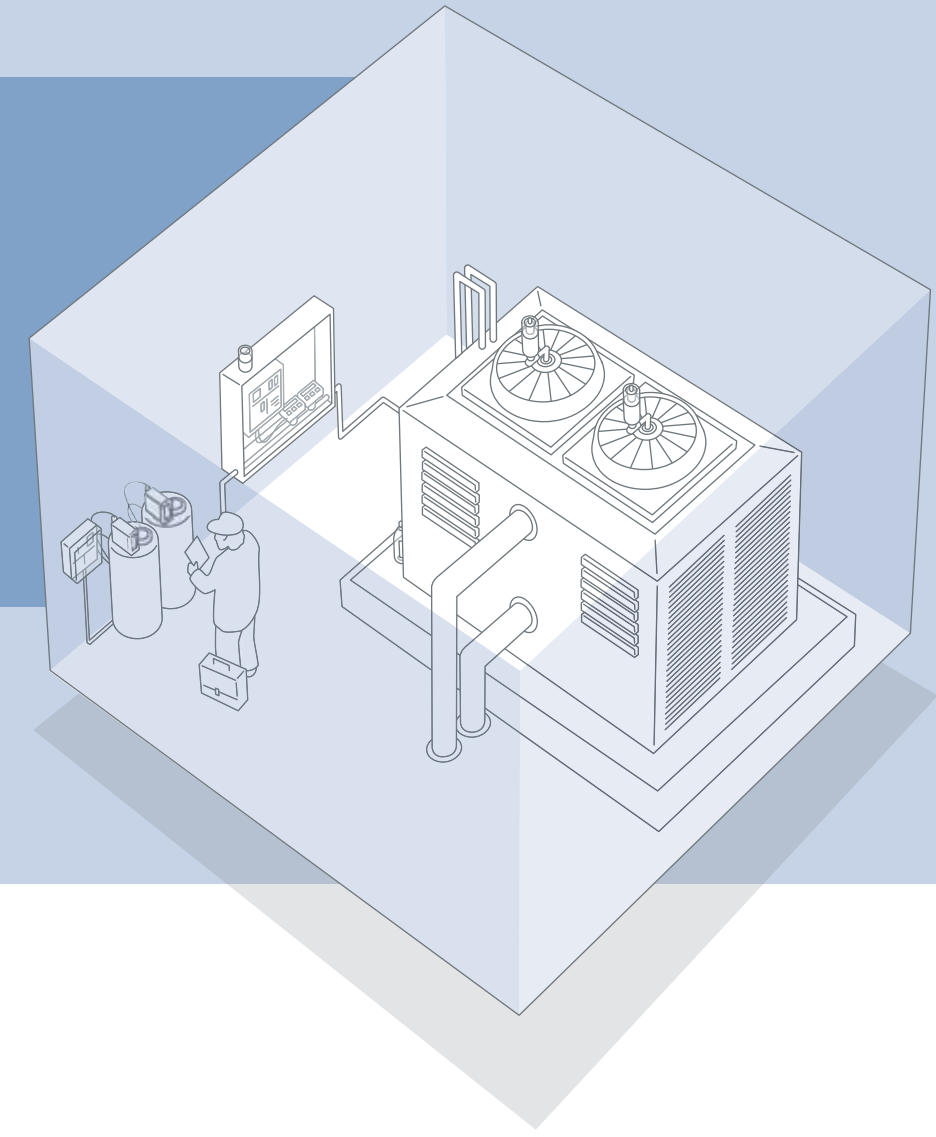
INSERTION mag for continuous flow measurement. A perfect solution for highly contaminated water where moving parts are not desired. Designed for pipes with diameters ranging from 1/4"-16" (DN 06 to DN 400) and $> 20 \mu\text{S}/\text{cm}$.





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Water Treatment: Smart Products and Systems for Cooling Tower Chemistry



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Bürkert is a full systems solution provider for the cooling tower industry. We understand both the benefits of maintaining proper chemistry as well as the importance of minimizing energy, water and chemical consumption. Bürkert is the only manufacturer that provides complete system solutions—whether your needs are as simple as a low cost on/off conductivity controller with associated bleed valve, or a complete systems solution including controllers, instrumentation, valves and pumps. We offer solutions that make your job easier, while ensuring personnel safety and minimal environmental impact. With over 60 years of expertise in the water treatment industry, Bürkert is the best partner of choice for your industrial needs.