WE LEARN FROM YOU EVERY DAY –
AND THINK OUTSIDE THE BOX.

When it comes to dealing with liquids and gases, Bürkert has become a sought-after partner all over the world. Why? Probably because we have been learning for and from our customers for more than 70 years now. This enables us to always think that crucial step ahead and around the bend.

We make ideas flow.

For your added value. Let us prove it to you – we look forward to your challenge.

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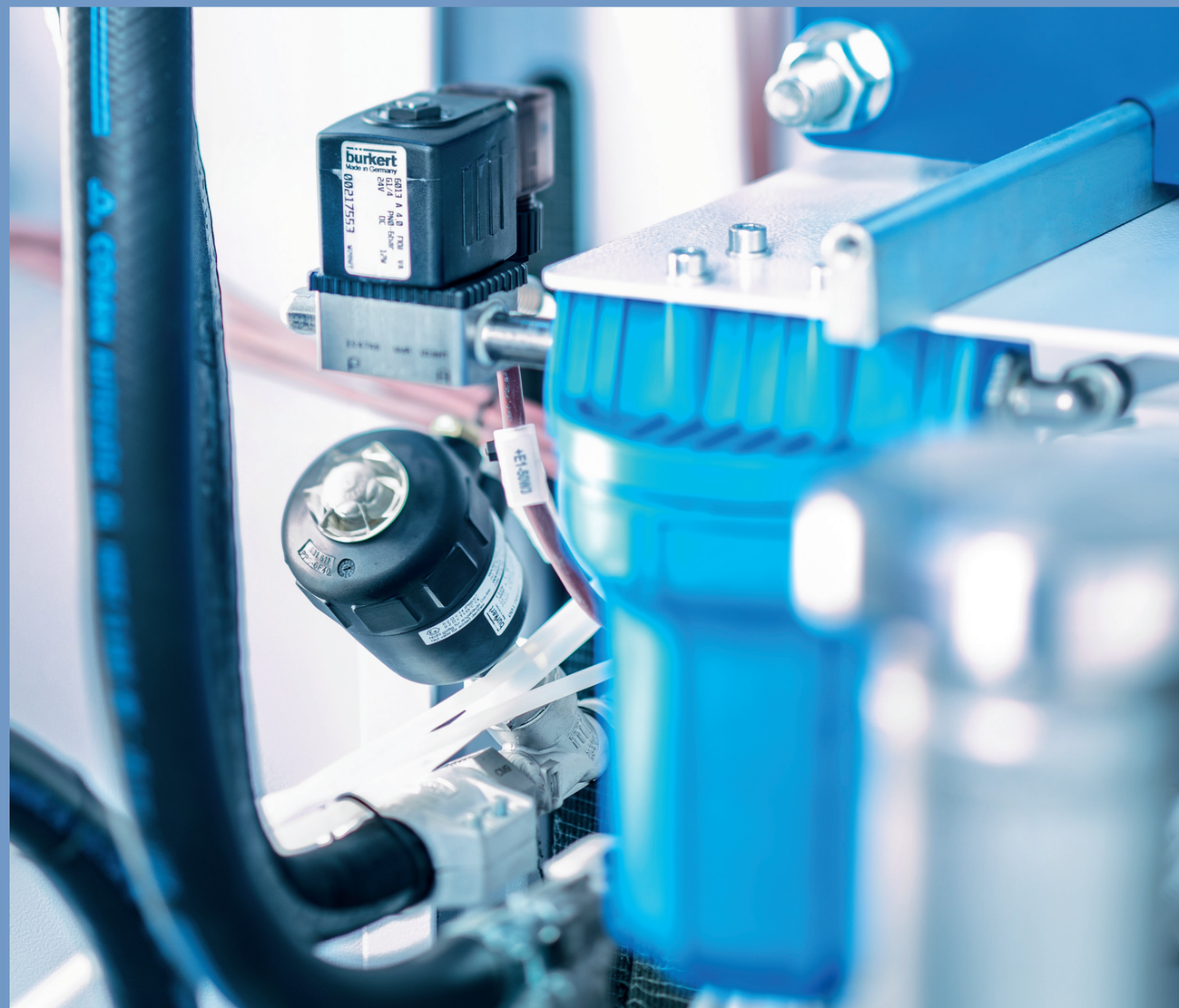
BEST PRACTICE

MKR Metzger GmbH

Reliable process technology for intelligent evaporators



Bürkert Best Practice

EFFECTIVE PROCESS MEDIA TREATMENT
COOPERATION WITH MKR METZGER

Dealing efficiently with resources makes sense not just for environmental reasons. The company from Monheim in Germany has established itself for many years as a specialist in handling process media in a sustainable manner. When it comes to designing production cycles involving liquids in a cost-efficient manner, robust and reliable components are essential – which makes MKR Metzger and Bürkert a perfect fit.

Benefits for the environment and for the business

Efficient recycling within the company is a key factor for resource-saving concepts. The treatment of process liquids avoids the high cost of replenishing and disposing of process media because they can be re-used. Only solid matter, not the media consumed, needs to be disposed of. For this purpose, MKR Metzger with its ET evaporator system has found a way to reduce the volume of waste and the costs of disposal.

The latest generation offers a modular concept that is suitable for virtually all process media and guarantees seamless processes. Typical areas of application are in metalworking production facilities, for instance, at automotive suppliers, or in the disposal of hazardous waste. For its smart measurement, control and regulation concept, MKR Metzger relies on valves, sensors and flowmeters from Bürkert. The sophisticated solution impresses with its ease of operation and clear structure.

Did you know?

The components of the evaporator system are attuned that up to **95% of the disposal costs are saved depending** on the application.

Proven technology for innovative evaporators

Different components work in concert to ensure flexible control of distillate volumes and handling processes. If the heat exchanger and frequency-controlled compressor motor represent theheart, the Bürkert components form the associated nervous system. All components are proven and perfectly attuned to optimise the handling of every type of process media in all applications.

- A Type 8041 insertion electromagnetic flowmeter, with no moving parts, monitors the heat exchanger by measuring the current volume of waste water
- An externally controlled Type 2000 angle seat valve controls the flow within the evaporator
- Electric feedback unit with automatic adjustment of end-position feedback
- A Type 8030 paddle wheel flow sensor monitors the flow of distillate
- Flow control switches and solenoid valves also help ensure the effective treatment of waste water

A bespoke system that really delivers

Both companies value the long-standing and cooperative partnership highly: The “everything from a single source” principle simplifies the selection and purchasing process for MKR Metzger. Moreover, there are no interface problems between the different devices because they are perfectly attuned. This laid the foundation for an innovative evaporator concept that would otherwise never have been realized.

How you benefit from Bürkert solutions for process media treatment:

Reliable operation: Robust components designed for long operating times.

Simple operation: Intelligent networked components eliminate the need for manual intervention after start-up.

Resource-saving fluid control loop: Thanks to exact sensors and flowmeters.

Everything from a single source: The complete range of measurement and control technology eliminates interface problems.

Short implementation times: Close cooperation during development saves time.