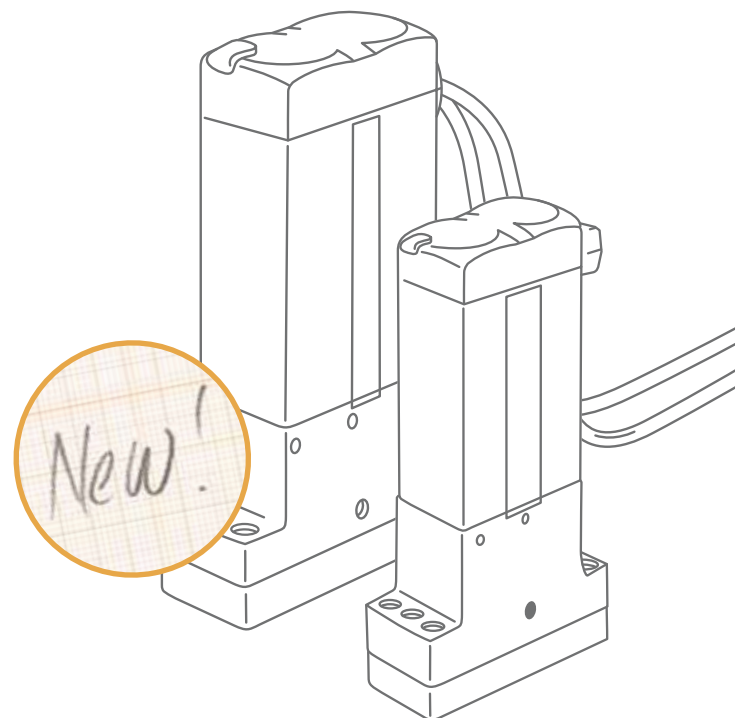




bürkert
FLUID CONTROL SYSTEMS

TwinPower

Type 6624 and 6626 life science solutions



More freedom!

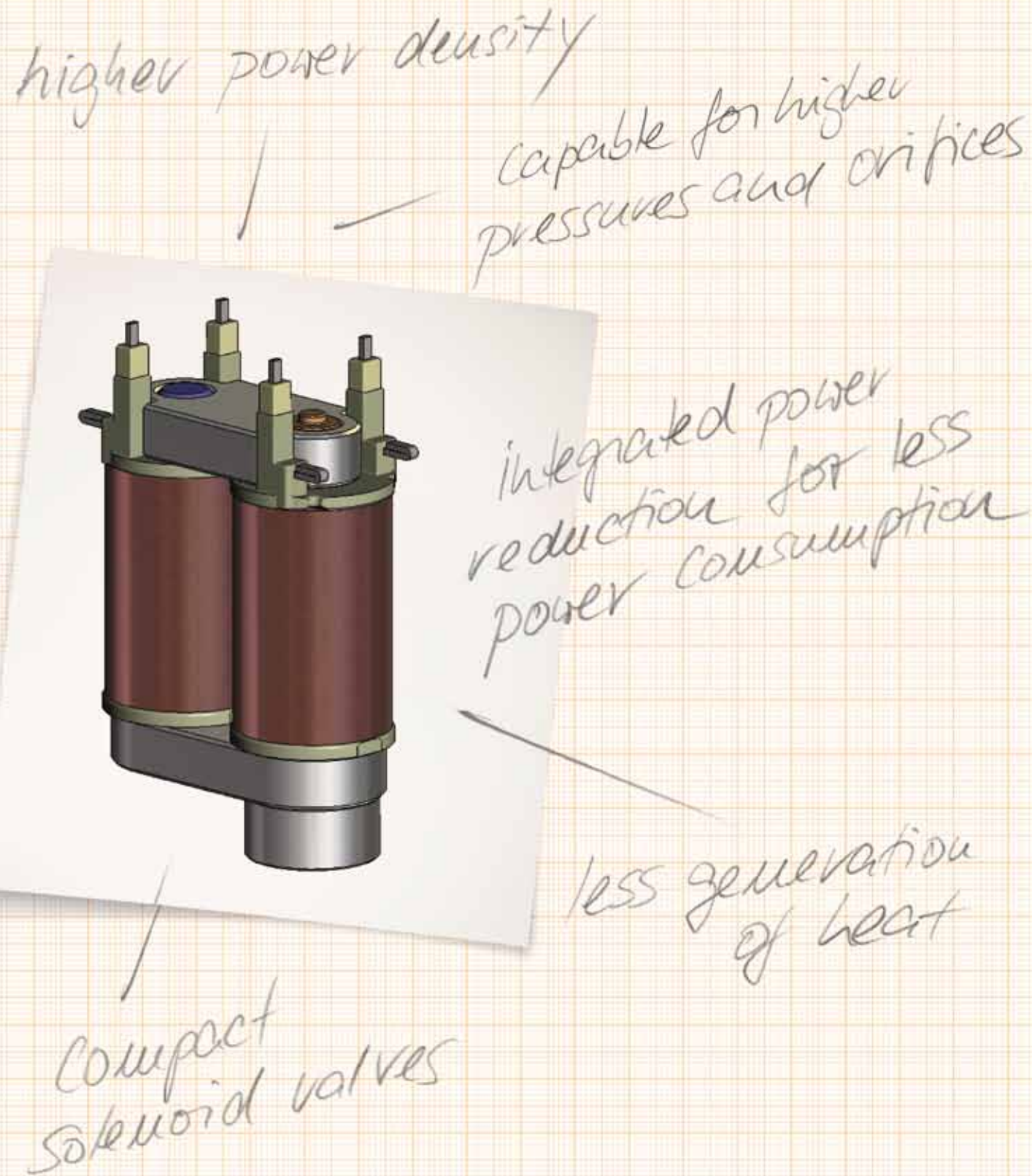
The superior dual-coil concept from Bürkert

Solenoid valves are the most frequently used control elements in fluid technology. They shut off and release flows, control flow rates or mix gaseous and liquid media. The underlying principle of electrically driven valves has been known for years. Now, Bürkert has perfected this concept.

Our new TwinPower technology operates with two coils instead of only one as before. That sounds like more – and indeed it is! Greater freedom when it comes to energy efficiency, miniaturisation and performance: our TwinPower solenoid valves take up 50% less installation space whilst offering the same fluid switching capacity, which makes them the best performing valves on the market in their class. The new dual-coil concept also permits electrical power consumption to be reduced by 75%.

So, how do you benefit? Well, that depends on what is important to you. In your MicroFluidics applications, you benefit either from the significantly reduced size of our TwinPower valves or – if miniaturisation is not your overriding objective – from an enormously increased fluidic performance with the same size as before. Also, TwinPower valves offer new possibilities when it comes to monitoring your processes.

Higher productivity, improved system availability and greater process reliability are the best arguments for our new technology. Or, in short: whatever you are planning – TwinPower makes it better.



50% smaller than standard valves with same performance

75% lower power consumption
→ less energy needed

less heat transfer into the medium

optimized cleanability

Status monitoring by LED



More minimum!

Type 6624/6626 TwinPower

We haven't reinvented the wheel, we've only made it significantly better! In fluidic terms, our new TwinPower solenoid valves 6624/6626 rely on the tried-and-tested, reliable and globally successful rocker principle with separation of media, as used in their legendary predecessor, the type 0127. The innovation in the type 6624/6626 TwinPower concerns the actuators with two solenoid coils which make it possible to build a significantly smaller valve. The principle remains the same – but with significant advantages such as optimized cleanability and a significantly reduced heat transfer into the medium. Benefit from an overall improvement in performance data:

Technical data of the type 6624	
Orifice	DN 1.6 mm
Pressure range (bar)	Vac - 2
Body material	PEEK
Seal material	FFKM
Medium	Resistant against neutral and aggressive fluids and gases; see Bürkert resistance table
Medium temperature	+15 °C to +50 °C
Ambient temperature	+15 °C to +55 °C
Internal volume	< 100 µl
Port connection	Flange
Electrical connection	Flying leads
Operating voltage	24 V ¹⁾
Voltage tolerance	± 10% ²⁾
Nominal power	4W inrush power 1W holding power (power reduction electronic)
Duty cycle	Continuous operation 100% cdf
Installation orientation	Any
Protection class	IP 40
Switching frequency	max. 5 Hz
Response times	acc. to ISO 12238
Opening	approx. 10 ms (pressure buildup 0-10%)
Closing	approx. 13 ms (pressure reduction 100-90%)

¹⁾ Battery voltage, note polarity (red = +, black = -)

²⁾ max. permitted residual ripple

Type 6624
TwinPower



Type 6626
TwinPower



For more information about the type 6626, please refer to www.burkert.com/twinpower.

More future!

Tailor-made system solutions for your applications

For many years now, Bürkert has been your professional partner when it comes to developing comprehensive system solutions that match your applications and meet your requirements. Our systems offer convincing solutions with their optimally suited components that ensure smooth, reliable operation. Extended functions such as sensors, conveyor systems, integrated reservoirs, etc. make sure that entirely new approaches to solutions open up for you, and ones which could only be achieved to a certain extent with individual components.

Also, our new TwinPower technology means that your system has an even brighter future. The dimensions of our solenoid valves have been reduced significantly, by up to 50%, which adds up to:

- a system that takes up less space,
- less use of material for the manifolds
- and a reduced internal volume of the overall system.

Our partnership with you is by no means over when we deliver your system, however. Also, our system solutions are unbeatable when it comes to installation and service friendliness: You get a finished module that has been put through its paces, and which can be optimally integrated into your production sequence. The risk of making mistakes in your installation is also reduced, as is the complexity of installation and logistics. This approach also pays off for service work. Parts can be quickly and easily replaced as a complete module. Would you like to know more? Give us a call: +49 (0) 7940/10-91 111.



perfectly matching components

- more compact solutions from a single source
- tailored to your needs
- less internal volume
- requires less space



simplified assembly and maintenance

less interfaces reduce the risk of leakage



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