bürkert
FLUID CONTROL SYSTEMS

MAN 1000644057 EN Version: B Status: RL (released | freigegeben) printed: 30.01.2026

Type 6724

WHISPERVALVE

2/2- and 3/2-way rocker solenoid valve with separating diaphragm

Operating Instructions for all variants

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1 About this document

The document is an important part of the product and guides the user to safe installation and operation. The information and instructions in this document are binding for the use of the product.

- Before using the product for the first time, read and observe the whole safety chapter.
- Before starting any work on the product, read and observe the respective sections of the document.
- Keep the document available for reference and give it to the next user.
- Contact the Bürkert sales office for any questions.

Further information concerning the product at Products.

▸ Enter the article number from the type label in the search bar.

1.1 Symbols

DANGER!

Warns of a danger that leads to death or serious injuries.

WARNING!

Warns of a danger that can lead to death or serious injuries.

CAUTION!

Warns of a danger that can lead to minor injuries.

NOTICE!

Warns of property damage on the product or the installation.

Indicates important additional information, tips and recommendations.

Refers to information in this document or in other documents.

▸ Indicates a step to be carried out.

✓ Indicates a result.

Menü Indicates a software user-interface text.

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1.2 Terms and abbreviations

The terms and abbreviations are used in this document to refer to following definitions.

Product	Rocker solenoid valve Type 6724

1.3 Manufacturer

Bürkert Fluid Control Systems

Christian-Bürkert-Str. 13–17

74653 Ingelfingen

GERMANY

The contact addresses are available at Contact.

Need more information or additional products?

- Explore the full range of products on our eShop.

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2 Safety

2.1 Intended use

Type 6724 is designed for dosing, mixing and distributing liquids and gases.

- Do not use the device without the appropriate safeguards outdoors.
- Do not use rectified alternating voltage without smoothing as a power supply. Observe polarity!
- Use the device when it is in perfect condition only, and always ensure proper storage, transportation, installation and operation.

2.2 Basic safety instructions

Risk of injury from high pressure in the system

- Before loosening lines or valves, switch off the pressure and drain the lines.

Risk of fire due to hot device surface if device operated continuously.

- Keep Type 6724 away from highly flammable substances and media, and do not touch with bare hands.
- Do not obstruct heat dissipation required for operation.

Medium may leak out if the diaphragm is worn

- Check regularly for any medium leakages.
- If the medium is hazardous, secure the environment against risks.

Ensure the following to prevent injuries:

- Secure the system/device against unintentional activation.
- Do not use in potentially explosive atmospheres are possible.
- Only technicians may perform installation work.
- Following an interruption in the power supply, ensure that the process is restarted in a controlled manner.
- Observe general technological rules of thumb.

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3 Technical data

3.1 Operating conditions

NOTICE!

Damage to valve by exceeding the permitted temperature

- Do not exceed temperature of 110 °C on the metal body.

Permitted temperatures	depending on the variant, see data sheet
Storage temperature	–10 to +65 °C
Media	aggressive, neutral gaseous and liquid media that do not attack the body and seal materials (see resistance table) Check for adequate resistance!
Degree of protection	IP10 (IP40 for the variant with strand, if the cable plug is correctly mounted with a protective cap)
Protection class	III as per IEC 61140 or NEC Class II Power Supply

CAUTION!

Danger due to undefined switch position

- When commissioning or restarting the valve, the valve must be in the correct switch position.

3.2 Standards and directives

The device complies with the valid EU harmonisation legislation.

The harmonised standards that have been applied for the conformity assessment procedure are listed in the current version of the EU Declaration of Conformity.

3.3 Electrical data

See data sheet (country.burkert.com) and labelling on the valve.

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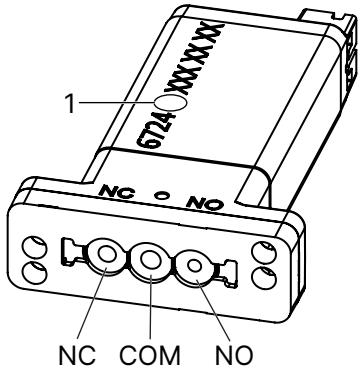
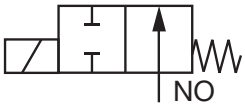
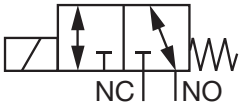
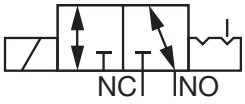
4 Product description

4.1 Circuit function



1 Circuit function

Circuit function		NC	COM	NO
Standard				
A		IN [1]	-	OUT Do not apply vacuum [2]
B		OUT Do not apply vacuum [2]	-	IN [1]
T		IN/OUT	IN/OUT Do not apply vacuum [2]	IN/OUT
Impulse				
P		IN [1]	-	OUT
S		IN/OUT	IN/OUT Do not apply vacuum [2]	IN/OUT

1) For vacuum operation (-0.8 bar): connect vacuum here.

2) Possibly reduced flow in vacuum applications.

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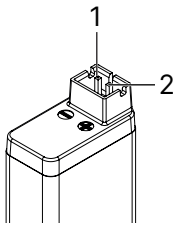
4.2 Impulse variant

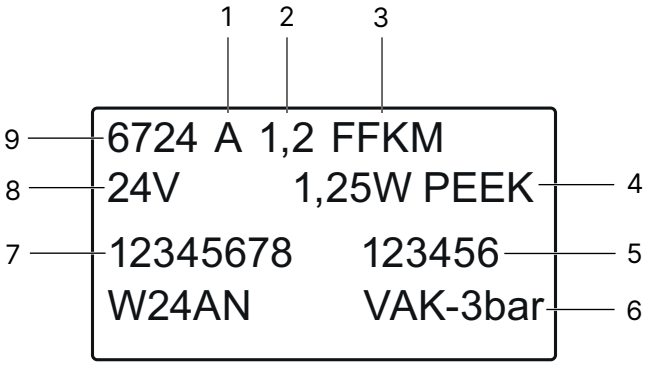
The valve Type 6724 in impulse variant works with voltage impulses of different polarity.



Polarity for switching impulse			Impulse 500 ms	
			Pin 1	Pin 2
P	2/2-way impulse	NC Valve opens	-	+
		NC Valve closes	+	-
S	3/2-way impulse	NC ↔ COM NC port opens	-	+
		NO ↔ COM NO port opens	+	-

4.3 Labelling

Please note the information on the valve.



1	Circuit function	2	Orifice
3	Sealing material	4	Power
5	Serial number	6	Pressure
7	Article number	8	Voltage
9	Type		

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5 Installation

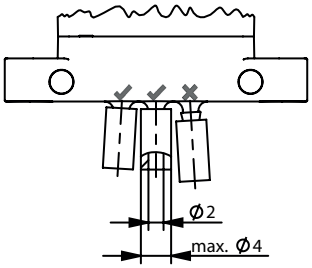
5.1 Fluidic installation

Installation position: any, preferably with actuator on top

- Clean pipes and flange connections.
- Install dirt trap in the direction of the current before the valve (recommended mesh width 5 µm).

Variant with hose connector

- Attach hoses to the hose connectors.
  Select hoses according to the usage conditions.



WARNING!

Risk of escaping medium if seal is incorrectly fitted

- Ensure that the seals provided fit properly.
- Only use manifolds with sufficient surface quality and flat surfaces.

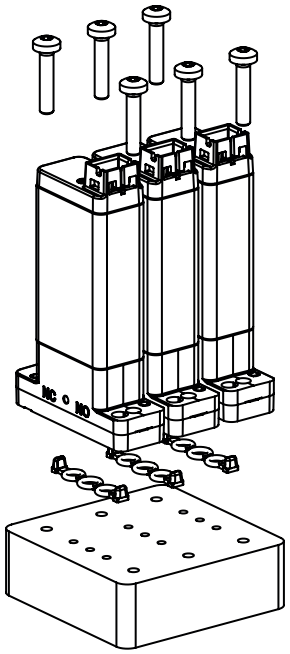


Fig. 1: Hole pattern

- Drill holes in accordance with the drill diagram (see data sheet for dimensions).
- Place seals in the valve.
- Assign fluidics connection assignment properly.

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- Fasten the valve with screws. Tightening torque for metric screws in metal threads: 0.2 to 0.25 Nm (the torque may vary for other materials).
- Check installation for tightness.

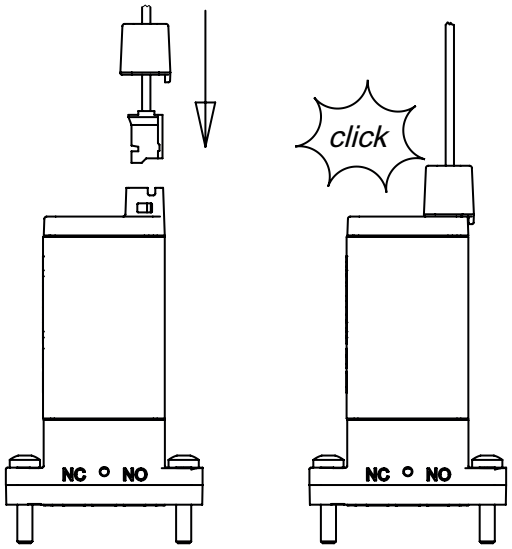
5.2 Electrical installation

Supply voltage: variant dependent, see data sheet

Power consumption: 1 W to 1.25 W (see data sheet)

Correct polarity is a prerequisite for the valve's proper function (see data sheet). To avoid damage, a freewheel diode must be used.

Correct installation of the push-in connectors with strand (optional)



- Attach the push-in connector to the valve. A click indicates that the connector is engaged.

5.3 Disassembly

WARNING!

Risk of injury from dangerous fluids.

- Before loosening lines or valves, flush out hazardous media, depressurise and drain the lines.

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6 Operation

Impulse variant: to switch over, change the polarity of the voltage impulse.

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7 Faults

If faults occur, check

- Assignment of the fluidic connections
- whether the operating pressure is within the permissible range,
- Power supply and valve control,
- the correct polarity of the electrical connections.

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8 Logistics

8.1 Transport and storage

- Protect the device against moisture and dirt in the original packaging during transportation and storage.
- Avoid UV radiation and direct sunlight.
- Protect connections from damage with protective caps.
- Observe permitted storage temperature.

8.2 Return

No work or tests will be carried out on the device until a valid Contamination Declaration has been received.

- To return a used device to Bürkert, contact the Bürkert sales office. A return number is required.

8.3 Disposal

Environmentally friendly disposal

- Follow national regulations regarding disposal and the environment.
- Collect electrical and electronic devices separately and dispose of them as special waste.

Further information at country.burkert.com

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