

5 steps to your process valve units KVZB and KVZA

Take advantage of a free online configurator that will save you valuable time. The new configurators for butterfly and ball valves make it really easy for you to find the right solution. In just five steps, you can select the most important parameters for your application from the available options and you will immediately receive the right configuration. Start the online configurator for our ball valve or butterfly valve unit on the right - it's really straightforward!

Ball valve unit KVZB



→ www.festo.com/kvzb

Butterfly valve unit KVZA

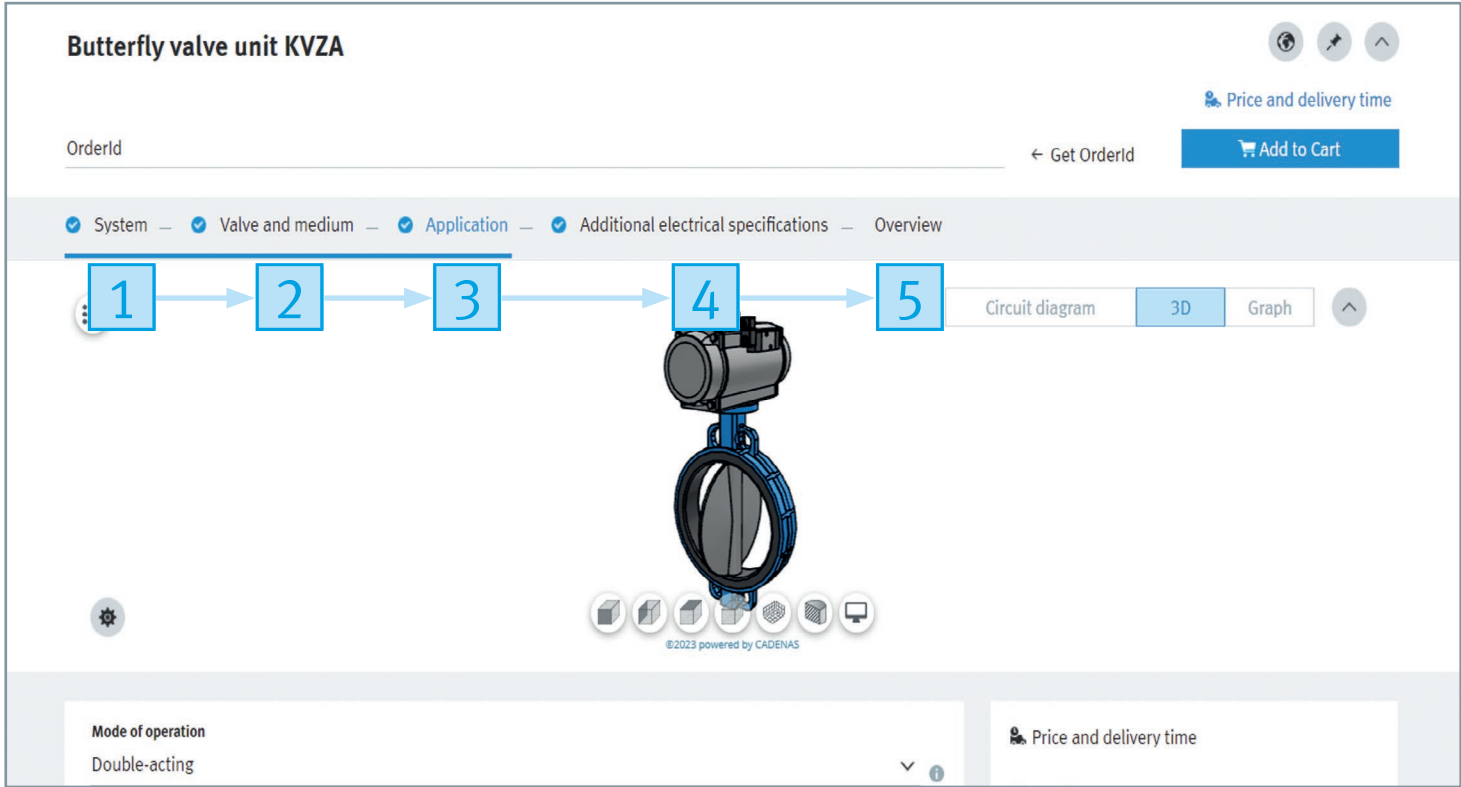


→ www.festo.com/kvza

1 System

Select the options for your overall system:

- **Actuation:**
 - Automated: The process valve is actuated by a pneumatic quarter-turn actuator with rack and pinion.
 - Manual: Valve with hand lever.
- **Ex certification:**
 - II 2GD or none.
- **Application:**
 - Controlled: Using a positioner.
 - Open/closed: The process valve is moved to both end positions.
- **Position indicator:**
 - A choice of limit switch box, visual display, or inductive double sensor with visual electrical indication.
- **Pilot valve:**
 - Mounted directly on the actuator using the NAMUR interface.
 - Standard version: Piston spool valve.
 - Poppet valve version



2 Valve and media

Selecting the most important specifications:

	Ball valve KVZB	Butterfly valve KVZA
Type of connection	Welding end, clamp, flange, thread	—
Butterfly valve type	—	Wafer or lug
Connection standard	DIN, ASME, ISO, ANSI	DIN or ASME
Nominal pressure	—	PN6, PN 10, PN16
Pressure of medium	10 to 63 bar	2.5 to 16 bar
Min/Max temperature	-20 – 200 °C	—
Nominal width	DN8 to DN 200	DN25 to DN 400
Valve function	2/2, 3/2	—
Normal/operating position	Open, closed	—
Housing material	Stainless steel, brass	Spheroidal graphite cast iron, stainless steel

Further specifications can be found in the relevant section




3 Application

- This section deals with the specifications for the quarter turn actuator:
- **Functionality:** Double- or single-acting.
 - **Safety function:** Position of the process valve in the event of a system error.
 - **Operating pressure:** The operating pressure available for actuating the quarter turn actuator.
 - **Safety factor:** Factor for increasing the available torque reserve.
 - **Closing torque factor:** This specification is optional.
 - **Ambient temperature** (min/max): Value range.
 - **Type of connection for pilot air:** G thread or NPT thread.
 - **High corrosion resistance:** If you select "yes", the quarter turn actuator will have an epoxy coating and thus a higher corrosion resistance. The drive shaft is made of stainless steel.

4 Additional electrical data

- **Nominal operating voltage of the pilot valve:** 24 VDC, 250 VAC or 110 VAC.
- **Plug:** Select the required plug type or plug with cable.
- **Sensor principle of the position indicator:** Measuring principle of the position indicator.
- **Electrical output type of position indicator:** Output type of the position indicator.

Tips

- : You will receive further information on an option.
- : An exclamation mark indicates that the option is in conflict with another option. You will need to change some of the previous details.
- Click **CONTINUE** and make sure that each section is OK and checked with a 

5 Overview

- As soon as you have completed the configuration, an order code will be generated, which you can add to your shopping cart.
- If you are a registered user of our Online Shop, you will be shown the price of the configuration solution.
- Technical data and CAD data is available for download, together with a drawing of your assembly.
- You can view the bill of materials for your assembly by simply entering your order code in the search field on our website.

- If you change one of the previous entries, click **UPDATE** to receive a customized order code.
- If you need support, click **CONTACT** and let us know what your question is and provide us with as many details as possible.

