

5 Steps to your process valve units



It is time to take advantage of a free software tool that can save you valuable time. The new configurator for butterfly and ball valve units makes it quick and easy for you to find the right solution. Follow the five steps and select the key parameters for your application from the range of options offered. The software suggests complete solutions straight away.

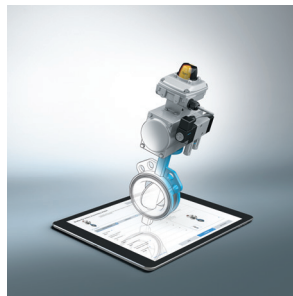
To start, choose between our ball valve or butterfly valve unit configurator.

Ball valve?



www.festo.com/kvzb

Butterfly valve?



www.festo.com/kvza

1 System

Choose from the options for your overall system:

- **Actuation:**
 - Automatic: The process valve is actuated using a pneumatic rack and pinion quarter turn actuator.
 - Manual: Valve with hand lever.
- **Ex Certification:**
 - II 2GD or none.
- **Application:**
 - Controlled: Achieved by using a positioner.
 - Open/Closed: The process valve is moved into both end positions.
- **Position indication:**
 - Select between limit switch box, optical indicator or optical electrical via an inductive dual sensor.
- **Pilot valve:**
 - Mounted using the NAMUR interface directly on the actuator.
 - Standard design: Piston spool valve.
 - Poppet valve design.

Your selection: valve & medium

Flange style	Wafer
Connection standard	DIN EN 1092-1
Nominal pressure of the connection standard	PN10
Medium pressure	10 bar
Valve diameter	300 mm
Disc material	Ductile cast iron EN-GJS-400-15, PA coated 250 µ
Sealing material	EPDM

Your selection: application

Your selection: additional electrical specifications

Order code: C997002

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2 Valve and medium

Select the specifications of the ball valve or butterfly valve.

Specifications	Butterfly valve	Ball Valve
Connection type	Wafer or Lug type	Flange, thread, clamp or welded end
Connection standard	DIN or ASME	DIN, ASME, ISO or ANSI
Nominal Pressure	PN6 to PN16	
Medium pressure	2.5 to 16 Bar	10 to 63 Bar
Min/Max temperature	Add values	
Valve diameter	DN25 to DN400	DN8 to DN200
Valve function	N/A	2/2 way or 3/2 way
Normal/Operating position	N/A	Opened or Closed
Materials	Select option compatible with the medium and application	

*N/A: The option is not applicable

3 Application

This section refers to the **Quarter Turn Actuator** specifications:

- **Mode of operation:** Double or single acting.
- **Safety function:** Position of the process valve in the event of a system crash.
- **Operating pressure:** Available pressure for the QTA.
- **Safety factor:** Factor to increase the available torque reserve.
- **Reseating torque:** This specification is optional.
- **Ambient temperature (Min/Max):** Add values.
- **Pilot air connection type:** G-thread or NPT thread.
- **High corrosion resistance:** By selecting "yes", the quarter turn actuator will have an epoxy coating and the drive shaft is in stainless steel.

4 Additional electrical specifications

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

5 Overview

- Once you have completed the configuration, an **order code** is generated and you can **add it to your basket**.
- If you are registered on our online shop, you will be able to see prices.
- **Technical data and CAD data** are available for downloading and a drawing of your assembly can be displayed.
- You can see the **bill of materials** of your assembly just by searching your order code on our website.

Festo tips

- Click **i** to get more information on an option.
- Conflict box **!** The option is not available. You need to change some of the previous entries.
- Click **Continue** and make sure each section is **✓**
- If you modify any of your previous entries, click **Continue** to get an updated order code.
- If you require support, click **Send request** and provide us full details of your application.