



Continuous control valve systems ELEMENT – overview

- Integrated intelligent positioner with leading technology
- High reliability, long service life and maintenance-free operation
- Excellent control quality, especially for angle seat and globe valves

Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with

	Type 2301 Pneumatically operated 2-way Globe Control Valve	▶
	Type 2300 Pneumatically operated 2-way angle seat control valve ELEMENT	▶
	Type 2103 2/2-way diaphragm valve with pneumatic stainless steel actuator (Type ELE- MENT) for decentralised automation	▶
	Type 8692 Digital electropneumatic positioner for integrated mounting on process control valves	▶
	Type 8694 Digital electropneumatic positioner for integrated mounting on process control valves	▶

Type description

The design of the Type 8802 Continuous ELEMENT system series is optimised for the simple and robust integration of digital intelligent positioners in all expansion stages. The range includes devices with standard signal interface, optional fieldbus interface or digital communication and backlit graphic display, right up to fully-fledged digital process controllers. The highly integrated system consisting of control valve and automation unit is characterised by its compact and smooth design, integrated control air ducts, IP65/67/NEMA 4X protection class and high chemical resistance. The high-precision position detection is contactless and insensitive to pressure surges.

Table of contents

1. Approvals and conformities	4
1.1. General notes	4
1.2. Conformity	4
1.3. Standards	4
1.4. Positioner and Process Controller	4
1.5. Positioner and Process Controller (SideCONTROL)	4
2. Materials	5
2.1. Bürkert resistApp	5
3. Product connections	6
3.1. Communication	6
Positioner and Process Controller	6
Positioner and Process Controller (SideCONTROL)	6
4. Product installation	7
4.1. Combination possibilities for control valve system Continuous ELEMENT	7
Globe valve system on/off ELEMENT Type 8802-GD	7
Angle seat valve system on/off ELEMENT Type 8802-YG	8
Diaphragm valve system on/off ELEMENT Type 8802-DF	9
5. Ordering information	10
5.1. Bürkert eShop	10
5.2. Bürkert product filter	10

1. Approvals and conformities

1.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available variants can be supplied with the below mentioned approvals or conformities.

1.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

1.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

1.4. Positioner and Process Controller

Approval				
				
Cat.3 G/D Zone 2/22		CL I ZN 2 CL I Div 2		
Positioner				
Type 8692	Yes	Yes	Yes	Yes
Type 8694	Yes	Yes	Yes	Yes
Type 8696	Yes	Yes	Yes	Yes
Process Controller				
Type 8693	Yes	Yes	Yes	Yes

1.5. Positioner and Process Controller (SideCONTROL)

Approval			
			
Cat.3 G/D Zone 2/22			
Positioner SideCONTROL			
Type 8791	Yes	Yes	Yes
Type 8792	Yes	Yes	Yes
Process Controller SideCONTROL			
Type 8793	Yes	Yes	Yes

2. Materials

2.1. Bürkert resistApp



Bürkert resistApp – Chemical resistance chart

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

[Start chemical resistance check](#)

3. Product connections

3.1. Communication

Positioner and Process Controller

Interface					
	 Universal · Smart · Easy			  EtherNet/IP™ 	
	Port Class				
	A	B			
Positioner					
Type 8692	–	–	–	Yes	Yes
Type 8694	Yes	Yes	Yes	Yes	–
Type 8696	–	Yes	Yes	Yes	–
Process Controller					
Type 8693	–	–	–	Yes	Yes

Positioner and Process Controller (SideCONTROL)

Interface					
	 Universal · Smart · Easy			  EtherNet/IP™ 	
	Port Class				
	A	B			
Positioner SideCONTROL					
Type 8791	Yes	Yes	Yes	Yes	–
Type 8792	–	–	–	Yes	Yes
Process Controller SideCONTROL					
Type 8793	–	–	–	Yes	Yes

4. Product installation

4.1. Combination possibilities for control valve system Continuous ELEMENT

Globe valve system on/off ELEMENT Type 8802-GD

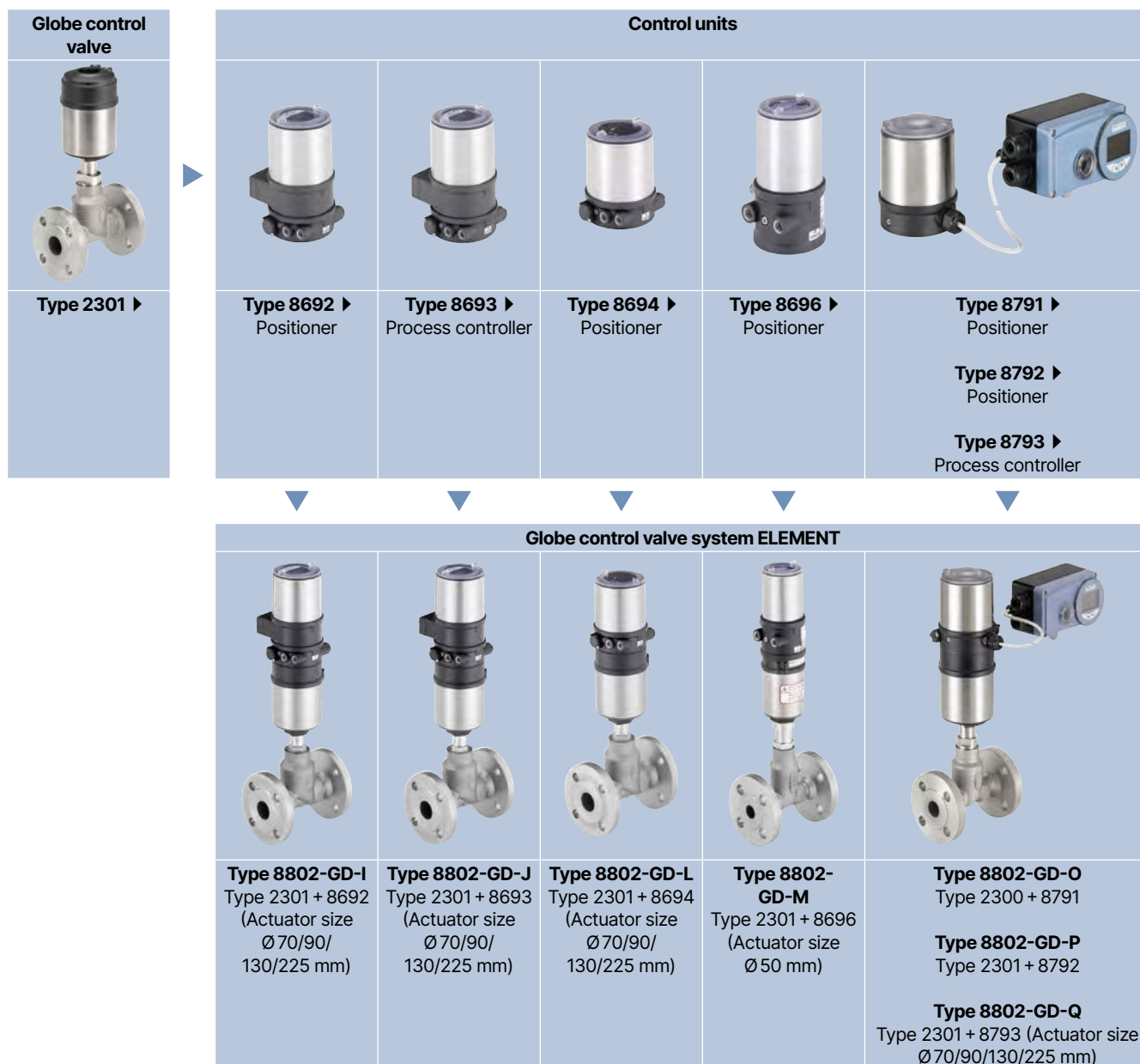
A control valve system Continuous on/off ELEMENT Type 8802-GD consists of a **globe control valve Type 2301** and a **positioner or process controller**.

The program of positioners/process controllers consists of:

- A digital electropneumatic positioner or process controller Type 8692/8693 (for valve actuator size Ø 70/90/130/225 mm)
- A digital electropneumatic positioner Type 8694 (for valve actuator size Ø 70/90/130/225 mm)
- A digital electropneumatic positioner Type 8696 (for valve actuator size Ø 50 mm)
- An electropneumatic positioner SideCONTROL Type 8792 or an electropneumatic process controller SideCONTROL Type 8793 (for valve actuator size Ø 70/90/130/225 mm) and a remote sensor Type 8798

Note:

- You order two components and receive a completely assembled and certified valve.
- Use the highlighted links to find more information on the product's website.
- For the configuration of further valve systems use the Product Enquiry Form in **data sheet Type 2301** ▶.



Angle seat valve system on/off ELEMENT Type 8802-YG

A **control valve system Continuous on/off ELEMENT Type 8802-YG** consists of an **angle-seat control valve Type 2300** and a **positioner** or **process controller**.

The program of positioners/process controllers consists of:

- A digital electropneumatic positioner or process controller Type 8692/8693 (for valve actuator size Ø 70/90/130 mm)
- A digital electropneumatic positioner Type 8694 (for valve actuator size Ø 70/90/130 mm)
- A digital electropneumatic positioner Type 8696 (for valve actuator size Ø 50 mm)
- An electropneumatic positioner SideCONTROL Type 8791, Type 8792 or an electropneumatic process controller SideCONTROL Type 8793 (for valve actuator size Ø 70/90/130 mm) and a remote sensor Type 8798

Note:

- You order two components and receive a completely assembled and certified valve.
- Use the highlighted links to find more information on the product's website.
- For the configuration of further valve systems use the Product Enquiry Form in **data sheet Type 2300** ▶.

Angle-seat control valve		Control units					
	▶						
Type 2300 ▶		Type 8692 ▶ Positioner	Type 8693 ▶ Process controller	Type 8694 ▶ Positioner	Type 8696 ▶ Positioner	Type 8791 ▶ Positioner Type 8792 ▶ Positioner Type 8793 ▶ Process controller	
		▼	▼	▼	▼	▼	
Angle-seat control valve system ELEMENT							
							
Type 8802-YG-I Type 2300 + 8692 (Actuator size Ø 70/90/130 mm)		Type 8802-YG-J Type 2300 + 8693 (Actuator size Ø 70/90/130 mm)	Type 8802-YG-L Type 2300 + 8694 (Actuator size Ø 70/90/130 mm)	Type 8802-YG-N Type 2300 + 8696 (Actuator size Ø 50 mm)	Type 8802-YG-O Type 2300 + 8791 Type 8802-YG-P Type 2300 + 8792 Type 8802-YG-Q Type 2300 + 8793 (Actuator size Ø 70/90/130 mm)		

Diaphragm valve system on/off ELEMENT Type 8802-DF

A **control valve system Continuous on/off ELEMENT Type 8802-DF** consists of a **diaphragm control valve Type 2103** and a **positioner or process controller**.

The program of positioners/process controllers consists of:

- A digital electropneumatic positioner or process controller Type 8692/8693 (for valve actuator size Ø 70/90/130/225 mm)
- A digital electropneumatic positioner Type 8694 (for valve actuator size Ø 70/90/130/225 mm)
- A digital electropneumatic positioner Type 8696 (for valve actuator size Ø 50 mm)
- An electropneumatic positioner SideCONTROL Type 8792 or an electropneumatic process controller SideCONTROL Type 8793 (for valve actuator size Ø 70/90/130/225 mm) and a remote sensor Type 8798

Note:

- You order two components and receive a completely assembled and certified valve.
- Use the highlighted links to find more information on the product website.
- For the configuration of further valve systems use the Product Enquiry Form in **data sheet Type 2103** ▶.

Diaphragm control valve	Control units				
					
Type 2103 ▶	Type 8692 ▶ Positioner	Type 8693 ▶ Process controller	Type 8694 ▶ Positioner	Type 8696 ▶ Positioner	Type 8791 ▶ Positioner Type 8792 ▶ Positioner Type 8793 ▶ Process controller
Diaphragm control valve system ELEMENT					
					
Type 8802-DF-I Type 2103 + 8692 (Actuator size Ø 70/90/ 130/225 mm)	Type 8802-DF-J Type 2103 + 8693 (Actuator size Ø 70/90/ 130/225 mm)	Type 8802-DF-L Type 2103 + 8694 (Actuator size Ø 70/90/ 130/225 mm)	Type 8802-DF-N Type 2103 + 8696 (Actuator size Ø 50 mm)	Type 8802-DF-O Type 2300 + 8791 Type 8802-DF-P Type 2103 + 8792 Type 8802-DF-Q Type 2103 + 8793 (Actuator size Ø 70/90/130/225 mm)	

5. Ordering information

5.1. Bürkert eShop



Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

[Order online now](#)

5.2. Bürkert product filter



Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

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