



On/off valve systems ELEMENT with decentralised automation – overview

- Integrated decentralised automation for all electrical interfaces
- High reliability, long service life and maintenance-free operation

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

Can be combined with



Type 8801-GC

Type 2101 + 8690/
8697/8691/8695



Type 8801-YE

Type 2100 + 8690/
8697/8691/8695



Type 8801-GE

Type 2106 + 8690/
8697/8691/8695



Type 8801-DF

Type 2103 + 8690/
8697/8691/8695

Type description

The design of the Type 8801 on/off system series ELEMENT enables the easy integration of automation units in all expansion stages: from electrical and optical position feedback to pneumatic control, an optional integrated fieldbus interface and an explosion-proof control head. The highly integrated system consisting of valve and automation unit is characterised by its compact and smooth design, integrated control air ducts, IP65/67/NEMA4X degree of protection and high chemical resistance.

FLU-TECH CO. LTD.



Email: sales@flutech.co.th **Website:** https://flutech.co.th

Tel: 02-384-6060, 086-369-5871-3 **Fax:** 02-384-5701 **LINE OA:** @flutech.co.th

Address (HQ): 845/3-4, Moo 3, Theparak Rd., T. Theparak, A. Mueang Samut Prakan, Samut Prakan, 10270, Thailand

Table of contents

1. Approvals and conformities	3
1.1. General notes	3
1.2. Conformity	3
1.3. Standards	3
1.4. Control head, pneumatic control unit and position feedback	3
2. Materials	4
2.1. Bürkert resistApp	4
3. Product connections	5
3.1. Communication	5
4. Product installation	6
4.1. Combination possibilities for decentralized automated on/off ELEMENT valve systems.....	6
Globe valve system on/off ELEMENT Type 8801-GC.....	6
Angle seat valve system on/off ELEMENT Type 8801-YE	7
3/2-way seat valve system on/off ELEMENT Type 8801-GE.....	8
Diaphragm valve system on/off ELEMENT Type 8801-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

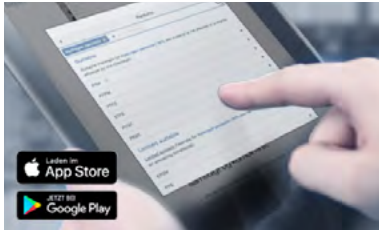
The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

1.4. Control head, pneumatic control unit and position feedback

Approval						
						
Cat.3 G/D Zone 2/22	Cat.2 G/D Zone 1/21	Cat.2 G Zone 1			CL I ZN 2 CL I Div 2	
Control head and position feedback						
Type 8691	Yes	–	–	Yes	Yes	Yes
Type 8695	Yes	–	–	Yes	–	Yes
Pneumatic control unit and position feedback						
Type 8690	Yes	Yes	–	Yes	Yes	Yes
Type 8697	Yes	Yes	Yes (position feedback)	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

Interface				
	 Universal · Smart · Easy			
	Port Class			
	A	B		
Control head and position feedback				
Type 8691	Yes	Yes	Yes	Yes
Type 8695	Yes	Yes	Yes	Yes
Pneumatic control unit and position feedback				
Type 8690	–	–	–	–
Type 8697	–	–	–	–

4. Product installation

4.1. Combination possibilities for decentralized automated on/off ELEMENT valve systems

Globe valve system on/off ELEMENT Type 8801-GC

A decentralized automated **globe valve system on/off ELEMENT Type 8801-GC** consists of a **globe valve Type 2101** and a **control unit**.

The program of control units consists of:

- A pneumatic control unit and position feedback Type 8690 (for valve actuator sizes Ø 70/90/130/225 mm)
- A pneumatic control unit and position feedback Type 8697 (for valve actuator size Ø 50 mm)
- A control head and position feedback Type 8691 (for valve actuator sizes Ø 70/90/130/225 mm)
- A control head and position feedback Type 8695 (for valve actuator size Ø 50 mm)

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 2101**.



Angle seat valve system on/off ELEMENT Type 8801-YE

A decentralized automated **angle seat valve system on/off ELEMENT Type 8801-YE** consists of an **angle-seat valve Type 2100** and a **control unit**.

The program of control units consists of:

- A pneumatic control unit and position feedback Type 8690 (for valve actuator size Ø 70/90/130 mm)
- A pneumatic control unit and position feedback Type 8697 (for valve actuator size Ø 50 mm)
- A control head and position feedback Type 8691 (for valve actuator size Ø 70/90/130 mm)
- A control head and position feedback Type 8695 (for valve actuator size Ø 50 mm)

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 2100** ▶.



3/2-way seat valve system on/off ELEMENT Type 8801-GE

A decentralized automated **3/2-way seat valve system ELEMENT Type 8801-GC** consists of a **seat valve Type 2106** and a **control unit**.

The program of control units consists of:

- A pneumatic control unit and position feedback Type 8690 (for valve actuator sizes Ø 70/90/130/225 mm)
- A pneumatic control unit and position feedback Type 8697 (for valve actuator size Ø 50 mm)
- A control head and position feedback Type 8691 (for valve actuator sizes Ø 70/90/130/225 mm)
- A control head and position feedback Type 8695 (for valve actuator size Ø 50 mm)

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 2106** ▶



Diaphragm valve system on/off ELEMENT Type 8801-DF

A decentralized automated **diaphragm valve system on/off ELEMENT Type 8801-DF** consists of a **diaphragm valve Type 2103** and a **control unit**.

The program of control units consists of:

- A pneumatic control unit and position feedback Type 8690 (for valve actuator sizes Ø 70/90/130/225 mm)
- A pneumatic control unit and position feedback Type 8697 (for valve actuator size Ø 50 mm)
- A control head and position feedback Type 8691 (for valve actuator sizes Ø 70/90/130/225 mm)
- A control head and position feedback Type 8695 (for valve actuator size Ø 50 mm)

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 please use the Product Enquiry Form in **data sheet Type 2103**.



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.

[Try out our product filter](#)