



# **Installation & Operating Manual**



## **Flanged Gate Valves**

**Albion Valves (UK) Ltd**  
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### 1. Introduction

- Albion Valves (UK) Ltd range of Flanged Gate Valves are suitable to be used as on / off operating devices in pipework systems.
- Albion Valves (UK) Ltd range of flanged gate valves have been classified in accordance with PED 2014/68/EU.

### 2. Technical Data

Valve Type	Size Range	Connection Type	Temperature Rating	Pressure Rating (Max)
ART 105 PN 16	DN 50 – DN 300	EN 1092-2 PN 16	-10°C – 200°C	16 bar
ART 210 PN 16	DN 50 – DN 300	BS10 Table D & E	-10°C – 180°C	10 bar
ART 223 PN 25	DN 50 – DN 300	EN 1092-2 PN 25	-10°C – 230°C	25 bar
ART 224 ANSI 125	DN 50 – DN 600	ANSI 125 B16.1	0°C – 80°C	13.8 bar
ART 225 PN 16	DN 50 – DN 600	EN 1092-2 PN 16	-10°C – 230°C	16 bar
ART 231 PN 16	DN 50 – DN 600	EN 1092-2 PN 16	0°C – 80°C	16 bar
ART 231 PN 25	DN 50 – DN 300	EN 1092-2 PN 25	0°C – 80°C	25 bar
ART 231 ANSI 150	DN 50 – DN 600	ANSI 125 B16..42	0°C – 80°C	17.2 bar
ART 235 PN 16	DN 50 – DN 600	EN 1092-2 PN 25	-10°C – 230°C	16 bar

### 3. Valve Features

- Albion Valves (UK) Ltd range of Flanged Gate Valves are designed as full bore which offers a large fluid passage with low pressure drop across the valve.
- Albion Valves (UK) Ltd range of Flanged Gate Valves are operated by use of handwheel and should only be used in the fully open or fully closed position. Flow regulation or throttling should be avoided.
- Should Albion Valves (UK) Ltd range of Flanged Gate Valves be required for end of line service a suitable blanking flange should be used.



#### **4. Valve Installation**

- Albion Valves (UK) Ltd recommend that the installer adheres to the installation requirements as specified by the Water Supply Water Fittings Regulations 1999.
- Gate valves provide a positive shut off and the valve is bi-directional.
- The valve should be sited to ensure ease of access.
- It is the responsibility of the installer to ensure the valve is suitable for service conditions e.g., temperature, pressure, and service media.
- Where fitted, remove flange protectors / dust caps and all other packaging material.
- Care should be taken to ensure the surface finish of the valve is protected during installation. Any damage to the valve surface may cause metallic corrosion.
- The valves may be installed in horizontal pipework with the stem in the vertical position, or in vertical pipework with the stem horizontal.
- Suitable gaskets should be used during installation.
- It is the responsibility of the installer to ensure that the valve, and adjoining pipework is suitably supported.
- Bolt tightening must be even and diagonal around the valve face to prevent any alignment distortion. Further details regarding bolting sequences can be found on Albion Valves (UK) Ltd' website.

#### **5. Approvals Classification**

- Please contact Albion Valves (UK) Ltd Quality Department for further details of any specific product approvals and accreditations.

#### **6. Troubleshooting**

- If any maintenance is to be undertaken on Albion Valves (UK) Ltd range of Flanged Gate Valve it is the responsibility of the installer to ensure the system is adequately drained, depressurized and the valve isolated before any work commences.
- A full risk assessment should be undertaken prior to any works taking place.

#### **7. Warranty**

- For further details of Albion Valves (UK) Ltd warranty period, please refer to Albion Valves (UK) Ltd 'Conditions of Sale' available on our website.



## **About Albion Valves (UK) Ltd**

Albion has been supplying valves and fittings to the building services and industrial markets for the past 40 years.

Albion was created with the sole purpose of providing quality products at an affordable price. With a growing reputation for quality and reliability, Albion is now an established brand providing the industry with a trusted alternative to premium-priced products.

Our commitment to setting the highest standards in all areas of our business means, if you're looking for quality, service, delivery and choice — you'll find it's all at Albion.

### **Quality**

Whatever you need, you can rest assured that if it comes from Albion it has been designed and manufactured to deliver optimum performance and is accredited with the necessary approvals. Our in-house quality department are always on hand too!

### **Service**

We pride ourselves on our customer service – we have even won awards for it! Our cradle to grave approach means you will never be on your own!

### **Delivery**

We know that time is money, and when a priority project depends on a part you can trust Albion to deliver – next day for all orders placed before 4:00PM.

### **Choice**

We may have started out with a single brass ball valve, but our range has grown substantially since and we now consider ourselves to be a 'One Stop Shop' with our comprehensive range. It is becoming more and more apparent to the industry, that it really is all at Albion.