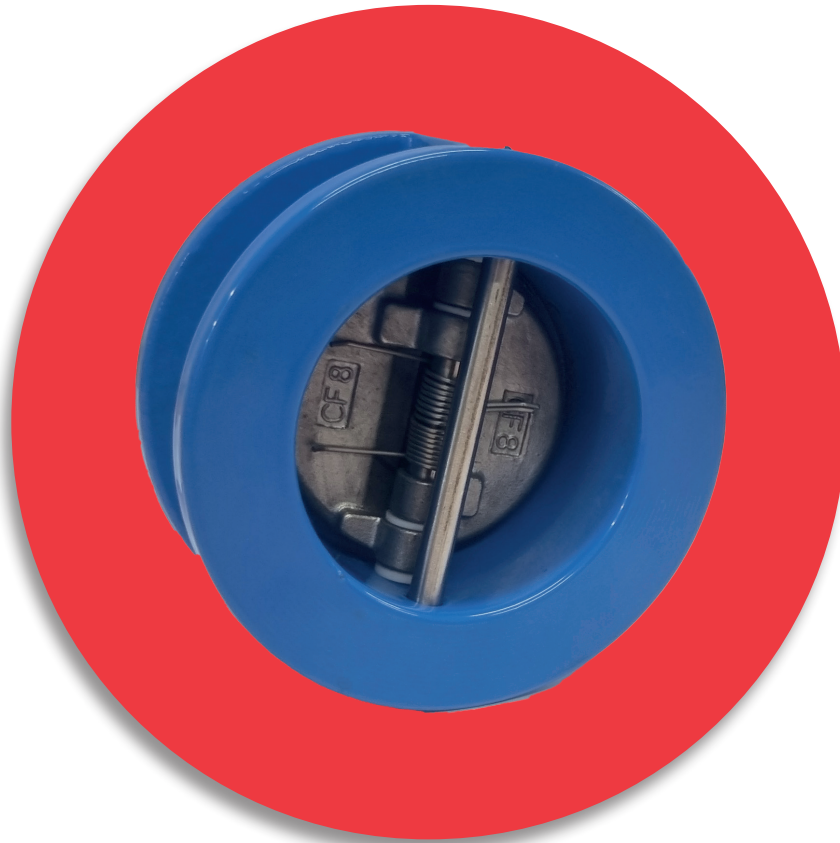




# **Installation & Operating Manual**



## **ART 121 & ART 136 Dual Plate Wafer Check Valve**

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### 1. Introduction

- Albion Valves (UK) Ltd ART 121 & ART 136 Dual Plate Wafer Check Valve is ideally suited to aid the prevention of backflow of liquids in HVAC and industrial applications.
- Albion Valves (UK) Ltd ART 121 & ART 136 Dual Plate Wafer Check 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 121	DN 50 – DN 600	Universal Flange – see product datasheet	-10°C – 120°C	16 bar
ART 136	DN 50 – DN 300	Universal Flange – see product datasheet	-10°C – 120°C	16 bar

### 3. Valve Features

- Albion Valves (UK) Ltd ART 121 & ART 136 Dual Plate Wafer Check Valves are ideal to be used in HVAC systems to prevent backflow of liquids.
- Albion Valves (UK) Ltd ART 121 & ART 136 Dual Plate Wafer Check Valves will operate due to the pressure differential between the inlet and outlet sides causing the plates to open, allowing fluid to pass. When the flow stops or reverses, the plates promptly close under the influence of gravity and reverse flow pressure, sealing the valve and preventing any unwanted fluid backflow.
- Albion Valves (UK) Ltd ART 121 & ART 136 Dual Plate Wafer Check Valves offer low pressure drop across the valve, meaning there is minimal resistance to flow which is beneficial to system efficiency.

### 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.



- Albion Valves (UK) Ltd ART 121 & ART 136 Dual Plate Wafer Check Valves should be sited to ensure ease of access.
- Albion Valves (UK) Ltd ART 121 & ART 136 Dual Plate Wafer Check Valves can be installed in horizontal pipework and in vertical pipework with the flow travelling in a upwards direction.
- Albion Valves (UK) Ltd ART 121 & ART 136 Dual Plate Wafer Check Valves should not be installed in vertical pipework with the flow travelling in a downwards direction.
- Albion Valves (UK) Ltd ART 121 & ART 136 Dual Plate Wafer Check Valves should not be used in place of a backflow prevention device.
- It is the responsibility of the installer to ensure the valve is suitable for service conditions e.g., temperature, pressure, and service media.
- Consideration should always be given to galvanic corrosion during installation.
- It is the responsibility of the installer to ensure that the valve, and adjoining pipework is suitably supported to avoid any undue stresses being applied to the valve.
- Suitable sealing materials should be used during installation.

## **5. Approvals Classification**

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

## **6. Troubleshooting**

- Albion Valves (UK) Ltd ART 121 & ART 136 Dual Plate Wafer Check Valves do not require any routine maintenance.
- A full risk assessment should be undertaken prior to any works taking place.

## **7. Warranty**

- Albion Valves (UK) Ltd ART 121 & ART 136 Dual Plate Wafer Check Valves are supported by a 12 month warranty. Further details can be found 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.