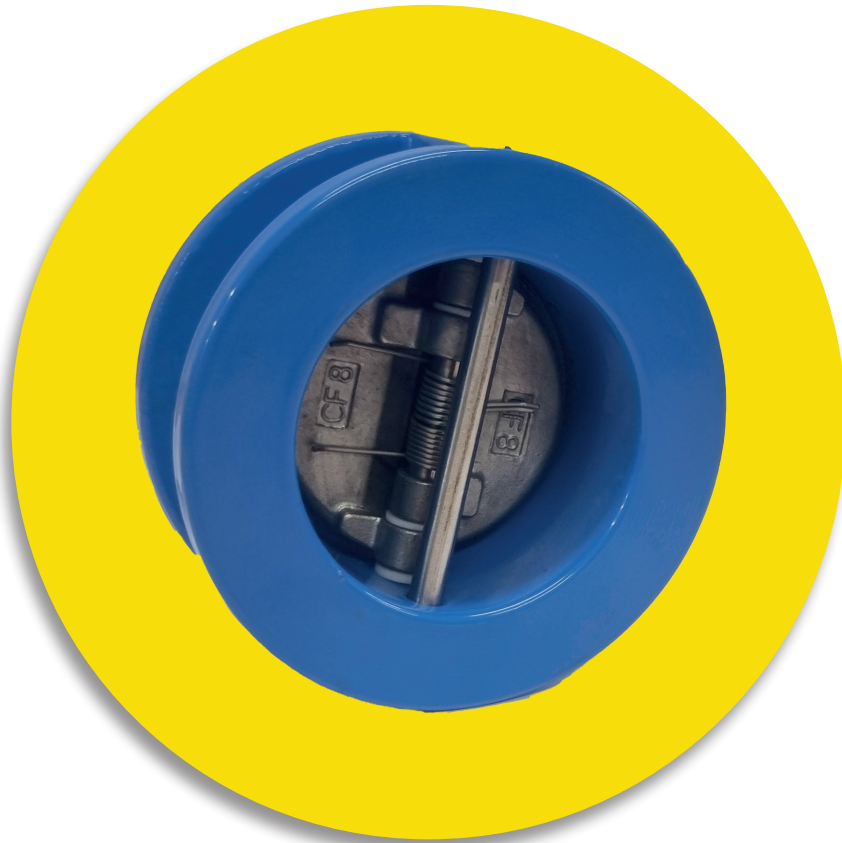




# Installation & Operating Manual



## **CORE 121** **Dual Plate Wafer Check** **Valve**



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### 1. Introduction

- The CORE 121 Dual Plate Wafer Check Valve is ideally suited to aid the prevention of backflow of liquids in HVAC and industrial applications.
- The CORE 121 Dual Plate Wafer Check Valve have been classified in accordance with PED 2014/68/EU.

### 2. Technical Data

Valve Type	Size Range	Connection Type	Temperature Rating	Pressure Rating (Max)
CORE 121	DN 50 – DN 300	Universal Flange – see product datasheet	-10°C – 120°C	16 bar

### 3. Valve Features

- The CORE 121 Dual Plate Wafer Check Valve is ideal to be used in HVAC systems to prevent backflow of liquids.
- The CORE 121 Dual Plate Wafer Check Valve 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.
- The CORE 121 Dual Plate Wafer Check Valve offers low pressure drop across the valve, meaning there is minimal resistance to flow which is beneficial to system efficiency.

### 4. Valve Installation

- It is recommended that the installer adheres to the installation requirements as specified by the Water Supply Water Fittings Regulations 1999.
- The CORE 121 Dual Plate Wafer Check Valve should be sited to ensure ease of access.
- The CORE 121 Dual Plate Wafer Check Valve should not be installed in vertical pipework with the flow travelling in a downwards direction.
- The CORE 121 Dual Plate Wafer Check Valve 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 your CORE representative for further details of any specific product approvals and accreditations.

## **6. Troubleshooting**

- The CORE 121 Dual Plate Wafer Check Valve does not require any routine maintenance.
- A full risk assessment should be undertaken prior to any works taking place.

## **7. Warranty**

- For further details about the CORE range's warranty period, please contact your CORE representative.