Flow Control

# Reliance Valves Stainless Steel Wafer Check Valve

## Prevents backflow and back siphonage contaminations by ensuring water flows only in one direction to an area of a building or section of a heating and chilled water system

### Overview

Reliance Valves Stainless Steel Wafer Check Valve for use in applications where fluid is required to flow in one direction.

When water is flowing, the flap hinges open to allow forward flow. When the flow is stopped, the flap closes to block the reverse flow. The valve is easy to install with PN16 flanges and is suitable for heating and chilled water systems.

### Features and benefits

- Protects against the risk of backflow and back siphonage contamination
- Slimline construction for space saving
- Minimal pressure drop offers good flow rates
- Can be mounted horizontally or vertically for installation versatility
- Simple installation between PN10 or PN16 Flanges (up to DN150)
- For use in heating and chilled water systems
- Free of CE marking for DN≤300 (cat. according to Art. 4.3 Dir. 2014/68/EU)
- Robust stainless steel for trouble free service life

| Product code | Description | Size |
|---|---|---|
| CHCK404001 | DN65 Stainless Steel Wafer Check Valve PN16 | DN65 |
| CHCK404002 | DN80 Stainless Steel Wafer Check Valve PN16 | DN80 |
| CHCK404003 | DN100 Stainless Steel Wafer Check Valve PN16 | DN100 |
| CHCK404004 | DN125 Stainless Steel Wafer Check Valve PN16 | DN125 |
| CHCK404005 | DN150 Stainless Steel Wafer Check Valve PN16 | DN150 |
| CHCK404006 | DN200 Stainless Steel Wafer Check Valve PN16 | DN200 |

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| Working Parameters | |
|---|---|
| Maximum working pressure | 16 bar |
| Operating temperature | 0 to 100°C |
| Minimum Opening Pressure | 6 kPa |
| Maximum Velocity | 2.5 m/s |
| Fluid | Water and mixtures of water / glycol up to 50%<br>Not suitable for steam, oil or aggressive fluids |

| Materials | |
|---|---|
| Body | Steel |
| Disc | Stainless Steel |
| O Ring | EPDM |
| Eyebolt | Steel |

## Applications

Heating

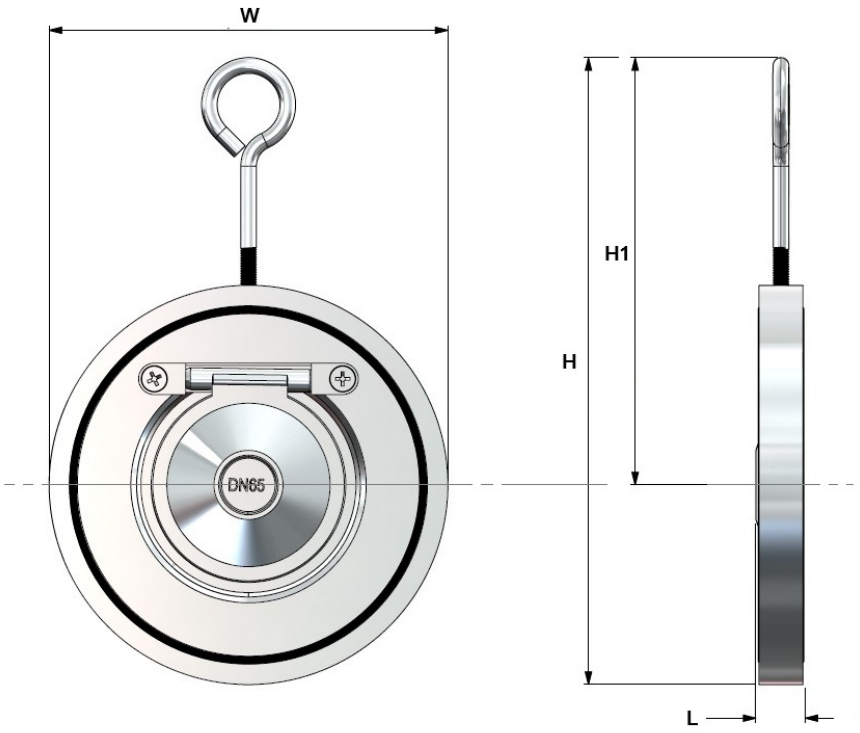
Chilled water

Not suitable for gas

The check valve must be installed with a minimum of 10 pipe diameters of straight pipe between the pump outlet and the valve inlet. It is important that the flow direction matches the directional arrow on the body.

## Approvals

Free of CE marking for DN≤300 (cat. according to Art. 4.3 Dir. 2014/68/EU)

**Dimensions** – All measurements in mm unless otherwise stated

| Product Code | L | H | H1 | W | kv | Weight (kg) |
|---|---|---|---|---|---|---|
| CHCK404001 | 15 | 199 | 136 | 127 | 90 | 1.2 |
| CHCK404002 | 15 | 214 | 143 | 142 | 150 | 1.5 |
| CHCK404003 | 18 | 234 | 153 | 162 | 250 | 2.4 |
| CHCK404004 | 18 | 254 | 163 | 182 | 420 | 3.4 |
| CHCK404005 | 20 | 290 | 181 | 218 | 650 | 4.2 |
| CHCK404006 | 22 | 345 | 209 | 273 | 1200 | 7.5 |