



## Product Overview

The BLAZE™ BT 1411 Double Door Wafer Check Valve is a robust and compact non-return valve designed for use in HVAC, plumbing, and industrial water systems. With its space-saving wafer-style body and dual spring-loaded discs, the valve ensures silent and efficient prevention of backflow.

Engineered in accordance with BS EN 12334, the valve supports installation between BS EN 1092-2 PN 16 flanges, making it suitable for a wide range of system layouts. WRAS approval for sizes 2" to 12" ensures compatibility with potable water systems, while larger sizes up to 36" are built to the same high standards for industrial use.

The valve features epoxy-coated ductile iron components, a WRAS-approved EPDM seat, and a stainless-steel spring, offering durability, chemical resistance, and long operational life across a wide temperature range.

## Material List

No.	Part Name	Material	Specification
1	Screw	Stainless Steel	BS970 304S15
2	Sealing Ring	WRAS EPDM	BS EN 681-1
3	Shaft	Stainless Steel	BS970 410S11
4	Body	DUCTILE IRON	EN-GJS-400
5	Disc	DUCTILE IRON	EN-GJS-400
6	Spring	Stainless Steel	BS970 304S15
7	Gasket	PTFE	BS EN ISO 13000
8	Gasket	PTFE	BS EN ISO 13000
9	Seat	WRAS EPDM	BS EN 681-1
10	Lifting Ring <sup>(above 8" size)</sup>	CARBON STEEL	BS EN ISO 898-1, 8.8



## Features

- WRAS Approved for 2"–12" – safe for drinking water applications
- Design Standard: BS EN 12334
- Flange Compatibility: BS EN 1092-2 PN 16
- Working Pressure: PN 16 (16 bar)
- Working Temperature: –20°C to +120°C
- Color: RAL 5015 (Blue epoxy-coated body)
- Compact wafer-type design for easy installation
- Spring-assisted dual disc for quick closing and reduced water hammer
- Suitable for horizontal and vertical (upward flow) installations

## Applications

- HVAC systems – chilled water, hot water, and condenser lines
- Potable water networks and plumbing systems
- Industrial water supply, cooling systems, and process pipelines
- Pump discharge applications – backflow prevention



## Dimensions

DN	L	ØD1	A	B	ØD
50	43	65	12	16	103
65	46	80	21.5	17	123
80	64	94	22.5	25	142
100	64	117	32	24	157
125	70	145	43.5	28	192
150	76	170	51	32	218
200	89	224	70.5	41	268
250	114	264	90	40	328
300	114	310	108	44	380

**Note:** All dimensions are for informational purposes only. Final details should be verified with the approved technical drawings.

Dimensional details for valves above 12" size are available uponrequest.

