

Wafer Double Door Check Valve FIG. VA6584

Specification

- ✓ Wafer type double door check valve with compact, space saving design
 - ✓ Spring assisted dual discs provide quick closing response & improved dynamic performance
 - ✓ Designed to prevent reverse flow & minimise pressure surge within the piping system
 - ✓ Soft-seated design provides reliable shut-off even at low differential pressure
 - ✓ Suitable for installation between flanges to BS EN 1092-2, PN10 / PN16
 - ✓ Design and performance in accordance with BS EN 16767
- For water supply applications, applicable requirements of BS EN 1074-3 may be considered
- ✓ Available sizes: DN50 – DN600
 - ✓ Maximum working pressure: 16 bar
 - ✓ Suitable for water, HVAC, plumbing and general industrial applications

Material Specification

Item	Part Name	Material	Specification
1	Body	Ductile Iron	BS EN 1563 – EN-GJS-500-7
2	Disc	Stainless Steel	BS EN 10088 – Grade 1.4308 / 304
3	Seat	EPDM / NBR	BS EN 681-1
4	Hinge Pin	Stainless Steel	BS EN 10088 – Grade 1.4021 / 420
5	Stop Pin	Stainless Steel	BS EN 10088 – Grade 1.4021 / 420
6	Pin Retainer	Stainless Steel	BS EN 10088 – Grade 1.4301 / 304
7	Spring	Stainless Steel	BS EN 10088 – Grade 1.4310 / 301
8	Washer	PTFE	
9	Gasket	EPDM / NBR	BS EN 681-1

Corrosion Protection

- Ductile iron surfaces internally and externally protected by Fusion Bonded Epoxy (FBE) coating
- Minimum coating thickness: 250 µm
- Coating provides high resistance against corrosion and environmental exposure

Main Dimensions (mm)

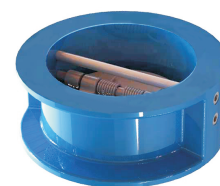
Size		DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500	DN600
A	Table D/E Flange	96	109	126	158	190	210	267	331	379	445	493	559	616	723
	ANSI 125#/150# Flange	102	121	134	172	194	220	277	337	407	447	511	546	602	715
	EN 1092-2 PN16 Flange	106	126	141	161	191	217	272	327	382	442	494	554	616	733
B		54	54	57	64	70	76	95	108	143	184	191	203	213	222
N-R		-	-	-	-	-	-	12-R12.5	12-R15	12-R15	16-R15	16-R16.5	-	-	-

Features & Benefits

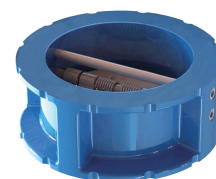
- ✓ Compact Wafer Design Short face-to-face dimension reduces installation space and system weight
- ✓ Dual Disc Construction Provides efficient flow control and rapid response to reverse flow
- ✓ Spring-Assisted Closing Promotes fast disc closure and helps reduce water hammer effects
- ✓ Low Pressure Loss Streamlined internal geometry helps minimise flow resistance
- ✓ Reliable Soft Sealing EPDM or NBR seat provides dependable shut-off at low differential pressure
- ✓ Corrosion Resistant Fusion bonded epoxy coated ductile iron body provides long-term protection
- ✓ Stainless Steel Internals Provides improved durability and corrosion resistance
- ✓ Maintenance Friendly Simple and robust construction with minimal maintenance requirements
- ✓ Horizontal or Vertical Installation Suitable for multiple piping configurations, subject to correct flow direction

Applications

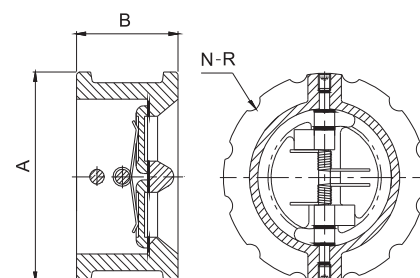
- ✓ HVAC Systems
- ✓ Heating & Cooling Networks
- ✓ Pumping Stations
- ✓ Chilled Water Systems
- ✓ Water Supply Systems
- ✓ Plumbing Systems
- ✓ General Industrial Water Services



Size DN50 - DN150
Size DN450 - DN600



Size DN200 - DN400



Notes

Specifications, materials and dimensions shown are subject to change without prior notice

