



VTZ VALVES AND AUTOMATION

(An ISO 9001:2015 Certified Company)



Disc Check Valve



VTZ VALVES™ Spring Loaded Non-Slam Check Valves are lift type non-return valves used in pipelines to prevent back-flow of the fluid. Designed to fit between two flanges, these valves provide a compact installation when compared to the conventional flanged and check valves. These valves get opened by the pressure of the fluid and get closed by the spring as soon as the flow ceases.

These valves are also used in process lines, hot & cold-water systems, heating systems, steam and condensate lines, oil lines.

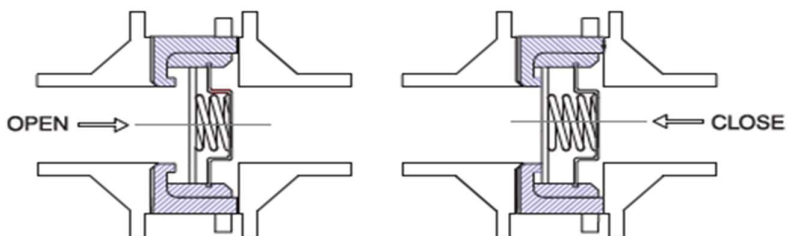
PRODUCT OVERVIEW

- Our Disc Check Valves have overall short length in comparison with the standard Flanged End Check Valves. The size and weight are considerably reduced. This offers great advantage for installation, handling, transportation and storing.

Salient Features:

- **Compact:** Requires little space in pipes.
- **Light Weight** when compared to flanged end valves.
- **Extremely low operating pressures.**
- **Lapped seats** to provide tight shut-off.
- **Soft seat option available.**
- **Easy to install and maintain.**
- **Cam design on body diameter** enables self-centring during installation.
- **Can be mounted in any plane.**
- **Suitable for wide variety of liquids, gases and vapours.**
- **Testing accordance with API 598.**
- **Applications Include** in all types of industries such as Chemical, Pharmaceutical, Power Generation, Textile, Water Treatment, Boilers, Breweries etc.

OPERATION :

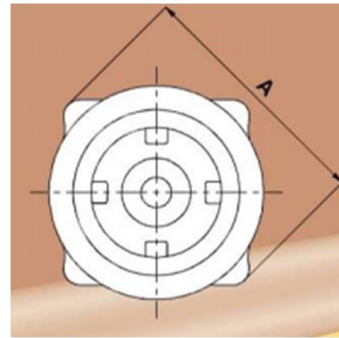
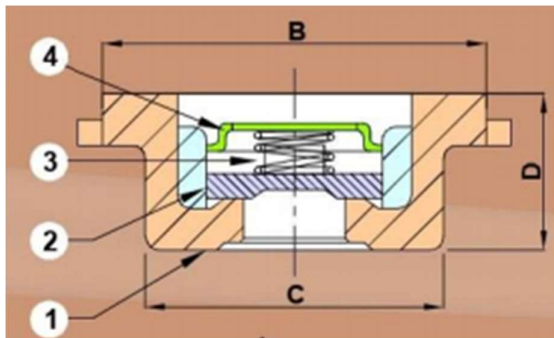


Standard Material Of Construction (MOC)	
BODY	ASTM A 351 GR. CF8 / CF8M
DISC	ASTM A 351 GR. CF8 / CF8M
SEAT	METAL
SPRING	ASTM A 351 GR. CF8 / CF8M
SPRING LOCK	ASTM A 351 GR. CF8 / CF8M

- The option of soft seat available in Nitrile / EPDM / Silicon / Viton / PTFE on request.

Conformity to Codes & Standards

- Design: **BS 5352**
- Size Range: **1/2" (50 mm) to 6" (150 mm).**
- Face to Face End Dimensions: **Manufacturer's Standard.**
- Pressure Rating: **PN-40**
- End Connections: **Wafer / Flanged Ends.**
- Maximum Operating Pressure: **41 Kg/cm².**
- Maximum Operating Temperature: **500 Deg.C**
- Testing & Inspection: **API 598.**



Size	15	20	25	32	40	50	65	80	100	125	150
A	60	70	81	91	101	115	142	154	184	194	230
B	43	53	63	75	85	95	115	133	154	---	---
C	38	45	55	68	79	93	113	128	148	172	202
D	16	19	22	28	32	40	46	50	60	70	74

- Valve Testing as per API 598

NOTE:

- All dimensions are in mm unless otherwise specified.
- Tolerance: $\pm 2\text{mm}$ in 'A', $\pm 1.5\text{mm}$ in 'D'
- In process of continuous improvement of products, the data given herein is subject to change.
- Valves are strictly tested as per set industrial standards and Test & Warranty Certificates will be issued along with supply.



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