

"FloLine" Offers Disc check valves (wafer type) especially for chemical, Food, processing, Pharmaceuticals, Pulp and Paper, Textiles, Power Generation, Refrigeration & Air Conditioning etc. The valves are used in oil lines, Processing line, Hot and cold water systems, steam and condensates, Gas lines etc.

SALIENT FEATURES :

- Disc Check Valve is an advanced design which gives full flow and occupy very less space than other type of Non Return Valve. DCVs are simple to fit between two pipe flanges.
- Spring loaded disc to prevent reverse flow in pipe lines.
- Stronger, lighter and smaller than conventional swing check valves, hence less expensive to install and maintain.
- Compact Design of valves flexibly accommodates various types of flange selection.
- The valves can be fitted in any plane/direction in pipelines.
- Available in 15mm to 200 mm sizes.
- Extremely low operating pressure. Self centering type design.
- Zero leakage for soft seated valves.
- Design : Manufactures standard
- Testing : As per API 598



Size Range From : 1/2" To 8" Wafer Type

Technical Specifications :

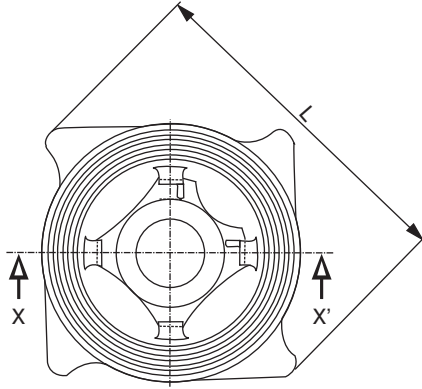
Body Construction	ASTM A 351 Gr. CF 8 / CF 8M. ASTM A 216 Gr. WCB
Disc	AISI 304 OR AISI 316 (Bar Stock / Castings)
Spring	Standard
Spring Retainer	AISI 304 AISI 316.
Disc Set	Metal to Metal, EPDM/Nitrile - Soft seated for water and silicon / viton - soft seated for oil & gases.
Pressure Rating	PN 40.
Flange Standard	1. BS 10 Table D, E & H (65 NB & 80 NB will not be fitted between 'E' flanges). 2. Din : PN6, 10, 16, 25, 40. 3. JIS 5, 10, 16, 20 (40NB, 50NB, 80NB, & 100NB will not be fitted between JIS 5 Flanges).

Operations :

Disc Check Valves are opened by the pressure of the fluid and closed through compression spring as soon as flow stops thus preventing reverse flow.

Operations :

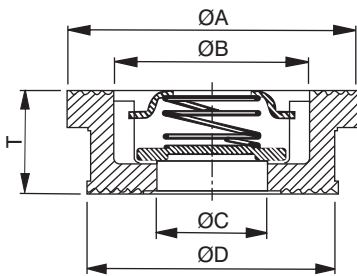
Designed and Manufactured in accordance with BS 7438



Dimensions:

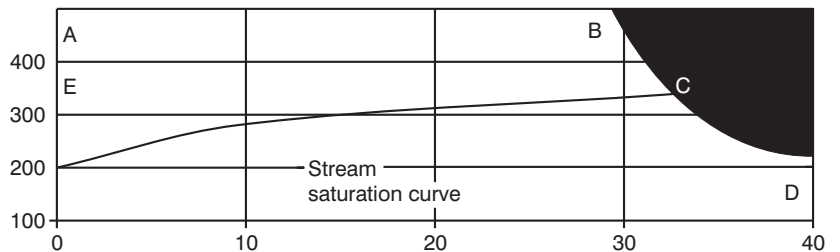
(All Dimensions are in mm)

Size		ØA	ØB	ØC	ØD	T	TH	L	F	Weight	
MM	INCH									S/E	Wafer Type
15	1/2"	43	29	15	38	16	1/2"BSP	60	68	0.400	0.120
20	3/4"	53	35.7	20	45	19	3/4"BSP	69.5	69	0.600	0.180
25	1"	63	44	25	55.5	22	1"BSP	80.5	77	0.900	0.280
32	1.1/4"	75	54.5	32	68	28	1.1/4"BSP	90.5	82.5	1.440	0.520
40	1.1/2"	85	65.5	40	79	31.5	1.1/2"BSP	101	99.5	1.960	0.680
50	2"	95	77	50	93	40	2"BSP	115	109	2.600	1.120
65	2.1/2"	115	97.5	65	113	46	2.1/2"BSP	142	141	4.460	1.580
80	3"	133	111.5	80	128	50	3"BSP	154	158	6.280	2.180
100	4"	154	130	99	148	60	4"BSP	184	196.5	8.540	3.400
125	5"	192	162.5	125	186	90	-	247.5	-	-	7.560
150	6"	223	192	150	223	105	-	-	-	-	11.020
200	8"	250.5	250	200	250.5	140	-	-	-	-	21.560



SECTION X X'

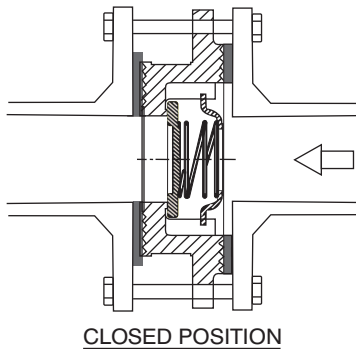
Operating Range



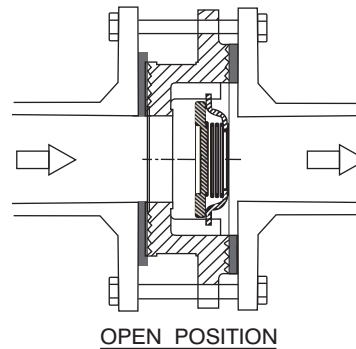
The Protect must not be used in the ■ region

A - B - C - D = DCV without spring or with high temperature spring.

E - C - D = with standard Spring.



CLOSED POSITION



OPEN POSITION

Operating Pressure : in m bar
Differential Pressure with Zero Flow

DN	15 MM	20 MM	25 MM	40 MM	50 MM	65 MM	80 MM	100 MM	125 MM	150 MM	200 MM
↑	25	25	25	28	29	30	31	33	On Request		
→	22.5	22.5	22.5	24.5	24.5	25	25.5	26.5	On Request		
↓	20	20	20	20	20	20	20	20	On Request		

(→ indicates flow direction)

The Value can be installed, without spring in vertical pipe. Line with bottom to top flow
Where lowest opening pressures are required.
Without Spring :

DN	15 MM	20 MM	25 MM	40 MM	50 MM	65 MM	80 MM	100 MM	125 MM	150 MM	200 MM
↑	2.5	2.5	2.5	3.5	4	4.5	5.5	6.5	On Request		

(→ indicates flow direction)

