

## DUAL PLATE CHECK VALVE (WAFER TYPE)

**SIZES: DN50 TO DN600**

**PN10 | PN16  
CLASS 150**



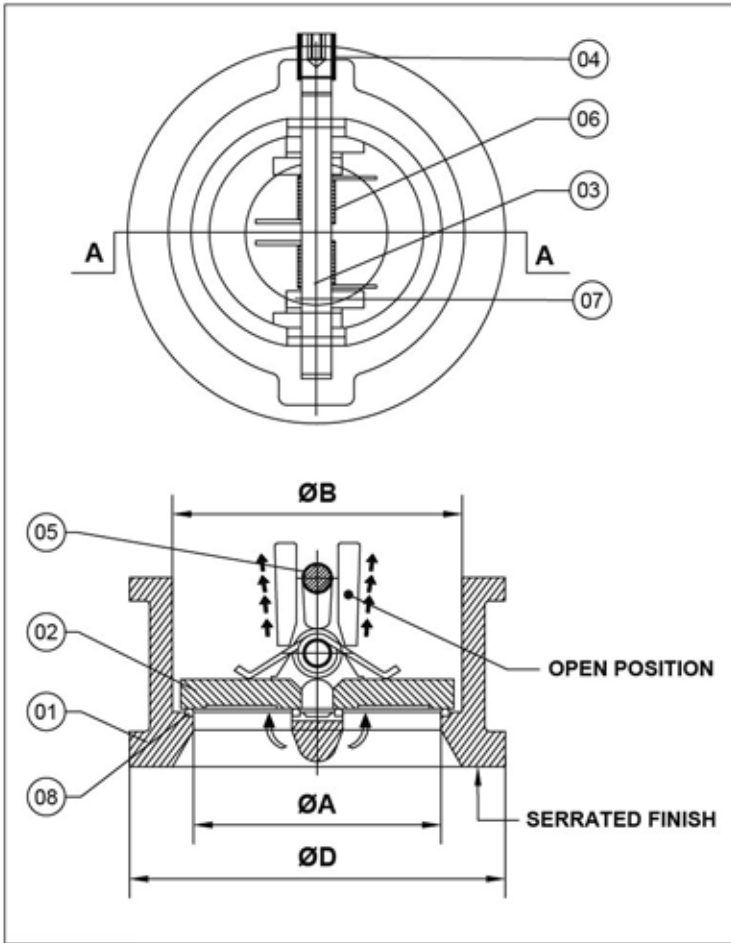
### FEATURES

- Dual plate check valve is an all purpose non return valve that is much stronger, lighter in weight and smaller in size compared to a conventional swing check valve or lift check valve.
- This valve working employs two spring-loaded plates hinged on a central hinge pin.
- When the flow decreases, the plates close by torsion spring action without requiring reverse flow.
- This design offers the twin advantages of no Water Hammer and Non-slam simultaneously.
- Valve has cylindrical body which makes the valve look like any other pipe fitting.
- A cylindrical body has much more uniform distribution of stress compared to a conventional swing check valve.
- The plates are smaller in area and lighter in weight being two in number compared to one in a conventional swing check valve.
- The unique feature of plate opening (Self-seating design) i.e. it first lifts up at the heel and then swings, ensures no rubbing actions against seat. This results in lower rate of wear and tear of seals.
- The spring-torque control mechanism enables the valve to open smoothly.
- With a long service life, the valve's preservation and repair is simple.
- Same valve can be installed horizontally or vertically.
- With the suitable springs, they can be installed in any position.
- The valve shaft is made of stainless steel material to prevent rust and corrosion.

ISO 9001:2015

BUREAU VERITAS  
Certification





NO	DESCRIPTION	MATERIAL	QTY
1	BODY	ASTM A216 Gr.WCB ASTM A351 Gr.CF8 ASTM A351 Gr.CF8M CHS210 Gr. FG200	1
2	DISC	ASTM A351 Gr.CF8 ASTM A351 Gr.CF8M	2
3	HINGE PIN	AISI 304 / AISI 316	1
4	PLUG	AISI 304 / AISI 316	2
5	STOP PIN	AISI 304 / AISI 316	1
6	SPRING	AISI 304 / AISI 316	2
7	BEARING	AISI 304 / AISI 316	1
8	SEAT	EPDM	1

SIZE		ØA	ØB	ØD
in.	mm			
2"	50	50	60	105
2 1/2"	65	65	75	124
3"	80	76	90	134
4"	100	100	115	172
5"	125	125	135	196
6"	150	150	165	220
8"	200	200	220	276
10"	250	250	265	338
12"	300	300	320	407
14"	350	350	350	448
16"	400	400	400	514
18"	450	450	450	549
20"	500	500	500	603
24"	600	600	600	718

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED

### TECHNICAL DATA :

MANUFACTURING STANDARD : API 594 / API 6D  
 TESTING & INSPECTION STANDARD : API 598  
 FACE TO FACE : API 594  
 TEMPERATURE : 120°C  
 LEAKAGE : CLASS VI

PRESSURE RATING	TEST PRESSURE (kg/cm <sup>2</sup> )	
	BODY	SEAT
PN10	15	11
PN16	24	17.1
CLASS 150	30	22

**REGISTERED FACTORY AND OFFICE**  
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### FOR FURTHER DETAILS, VISIT OUR WEBSITE

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