

Dual Plate Check Valve

Wafer Type | Spring-Loaded | API 594 / API 6D | DN 50 – DN 600

Product Overview

Compact wafer type check valve with twin spring-loaded plates that close rapidly on flow reversal, minimising water hammer and protecting downstream equipment. Short face-to-face dimension saves installation space and eliminates the need for separate flange gaskets.



Size Range	DN 50 – DN 600
Design Standard	API 594 / API 6D
Face to Face	API 594
Flange Standard	ANSI B16.5 150# – Wafer Type
Inspection Std.	API 598
Hydro Test – Body	15 kg/cm²
Hydro Test – Seat	10 kg/cm²

Parts & Materials

No.	Description	Material / Standard
1	Body	ASTM A351 Gr. CF8M / CF8 ASTM A216 Gr. WCB IS 210 Gr. FG220
2	Plate	ASTM A351 Gr. CF8M / CF8 ASTM A216 Gr. WCB
3	Seat	NBR (ASTM D3187 Grade NBR)
4	Spring	Spring Steel
5	Stop Pin & Hinge Pin	SS 304 (ASTM A276 Type 304)
6	Pin Lock Nut	MS (ASTM A350 Class LF1)
7	Space Washer	SS 304 (ASTM A276 Type 304)
8	Space Bush	SS 304 (ASTM A276 Type 304) MS (ASTM A350 Class LF1)
9	Packing Washer	NBR (ASTM D3187 Grade NBR)

Dimensions – DN 50 to DN 200 (mm)

Dimension	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200
C	60	67	73	73	86	98	127
∅D	105	124	137	175	197	222	279

Dimensions – DN 250 to DN 600 (mm)

Dimension	DN 250	DN 300	DN 350	DN 400	DN 450	DN 500	DN 600
Port	273	327	356	406	457	510	610
C	146	181	184	191	203	219	222
ØD	340	410	445	510	545	600	712

All dimensions in mm. Dimensions subject to change without notice.