RK ENGINEERING
FLOW SOLUTION

DSCV-SP DUAL PLATE CHEK VALVE

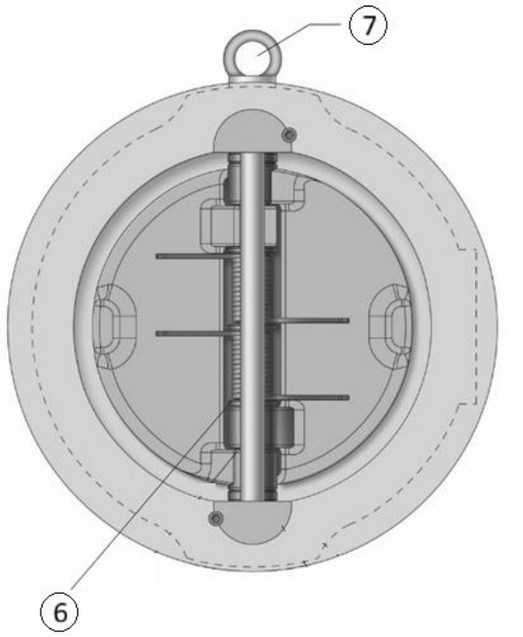
RK Dual plate Check valve design is the result of attempts to solve the problems associated with swing check valve and lift check valve. Dual plate check design with two spring loaded plates hinged on a central hinge pin. When the flow decreases, the plate closed by torsion spring action with out requiring reverse flow. This design offers the twin advantages of no water hammer and Non slam simulation. All features put together make the Dual Plate Check Valve on of the most efficient design.

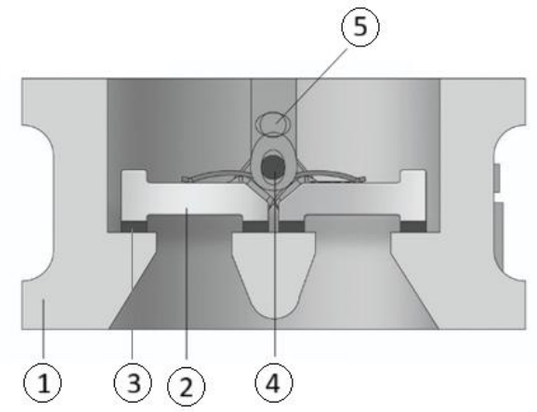
FEATURES

- Dual disc check valves are light and compact in comparison to standard check valves and have lower installation cost.
- With Dual Disc design the valve pressure drop is reduced, especially compared to standard check valves.
- Torsion springs on plates provide tight seal and minimize plates slamming.
- Eliminate the water hammer or shock in pipelines during shut-off and/or start-up of the pumps.

Design And Manufacturing	: API 6D / API 594 / ASME B16.34
Pressure Rating	: PN 10 / PN 16 / ANSI 150
Face to Face Dimensions	: ASME B16.10
End Connection	: Wafer Type
Inspection & Testing	: API 598 / ASME B16.34 / BS EN 12266-1

MATERIAL SPECIFICATION		
1	Body	Ductile Iron / Cast Iron / WCB / CF8 / CF8M
2	Disc	Ductile Iron / WCB / CF8 / CF8M
3	Seat	Metal-to-Metal, EPDM, VITON, BUNA-N, NEOPRENE, PTFE
4	Hinge Pin	SS304 / SS316
5	Stop Pin	SS304 / SS316
6	Spring	SS
7	Lifting Hook	SS304 / CS





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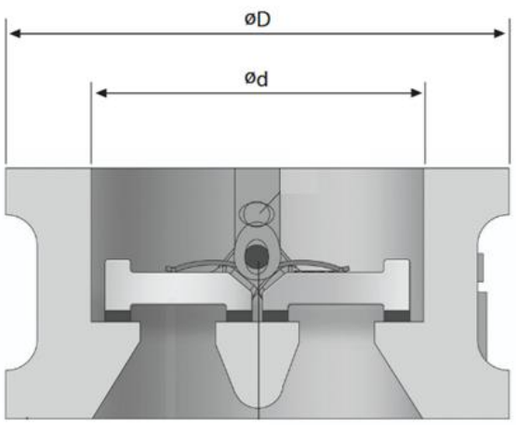
Dimensions for PN10 / PN16 / Class 150



Size		Ød	L	ØD		
DN	NPS			PN 10	PN 16	ANSI 150
50	2	60	60	108	108	104
65	2 1/2	70	67	128	128	123
80	3	87	73	143	143	136
100	4	113	73	163	163	174
125	5	130	83	193	193	196
150	6	166	98	219	219	221
200	8	207	127	274	274	278
250	10	260	146	329	329	339
300	12	300	181	379	385	409
350	14	339	184	438	444	449
400	16	387	191	489	496	512
450	18	438	203	538	555	545
500	20	487	219	593	696	605
600	24	580	222	695	799	714

* Please consult our technical team for other materials, Actuators & Classes.

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