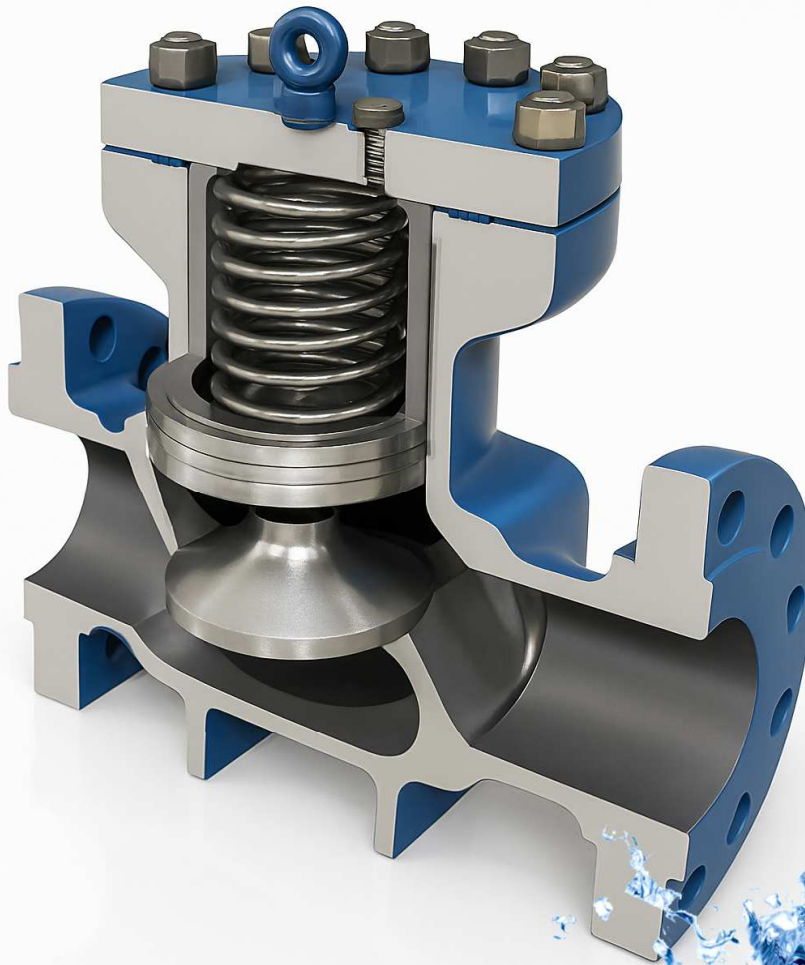




**DECOEN Tech**  
Engineering Services

# Check Valve



***“Automatic Protection Against Reverse Flow.”***

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## Check Valve

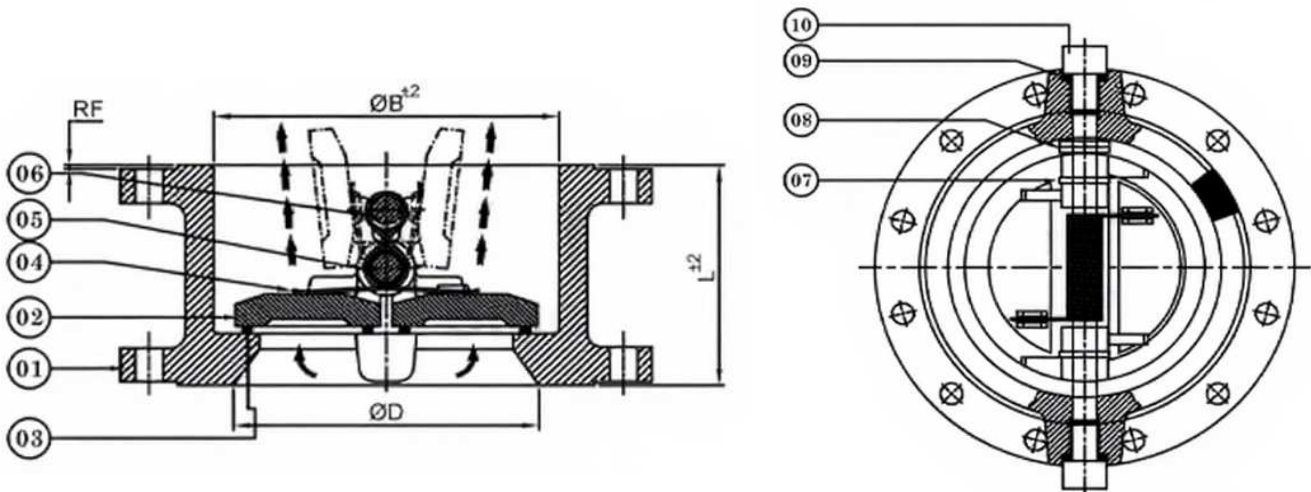
A dual plate check valve, also known as a dual-disc check valve, is a type of valve used to prevent backflow in piping systems. It consists of two hinged plates (discs) that open and close to allow or block the flow of fluid.

The Sealing efficiency is a very critical aspect of Check Valves to safeguard pumping systems. DECOEN Tech check valves are designed to sustain backpressure and water hammering in piping systems.

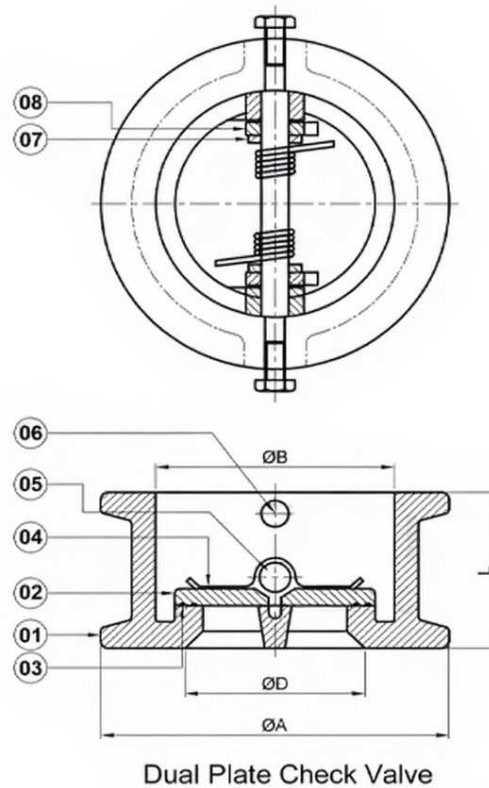
## Technical Data

<b>Manufacturing Std</b>	API 6D / API 594
<b>Wall Thickness</b>	API 594 150#
<b>Testing &amp; Inspection Std</b>	API 6D / API 598
<b>Face to Face</b>	API 6D/ ASME B 16.10 / API 594
<b>End Connection</b>	Flanged as per ANSI B 16.5 150#/PN-10
<b>LEAKAGE</b>	CLASS VI

## Components:



**Dual Plate Flanged Ends Check Valve**



### Dual Plate Wafer Check Valve

Sr.No.	Description	Material	Qty
1	BODY	ASTM A216 Gr.WCB , ASTM A351 Gr.CF8 , ASTM A351 Gr.CF8M , CI-IS210 Gr. FG200	1
2	DISC	ASTM A351 Gr.CF8 , ASTM A351 Gr.CF8M	2
3	HINGE PIN	ASME 304 /AISI 316	1
4	PLUNG	ASME 304 /AISI 316	2
5	STOP PIN	ASME 304 /AISI 316	1
6	SPRING	ASME 304 /AISI 316	2
7	BEARING	CARBON STEEL	1
8	SEAT	EPDM	1

## Flange Dimensions:

Sr. No.	Size	A	B	ØC	ØD	ØM	N	PCD
01	50mm	60.0	51.0	65.0	101.0	01	50mm	60.0
02	65mm	67.0	65.0	76.0	120.0	02	65mm	67.0
03	80mm	73.0	80.0	92.0	132.0	03	80mm	73.0
04	100mm	73.0	100.0	113.0	173.0	04	100mm	73.0
05	125mm	86.0	127.0	135.0	196.0	05	125mm	86.0
06	150mm	98.5	152.0	163.0	218.0	06	150mm	98.5
07	200mm	127.0	200.0	220.0	275.0	07	200mm	127.0
08	250mm	146.0	250.0	262.0	337.0	08	250mm	146.0
09	300mm	181.0	302.0	315.0	407.0	09	300mm	181.0
10	350mm	184.0	350.0	350.0	449.0	10	350mm	184.0
11	400mm	191.0	400.0	407.0	512.0	11	400mm	191.0
12	450mm	203.0	450.0	465.0	549.0	12	450mm	203.0
13	500mm	219.0	500.0	510.0	604.0	13	500mm	219.0

(DIMENSIONS ABOVE 500 MM AVAILABLE ON REQUEST)

## Wafer Check Valve Dimensions

Sr. No.	Size Inch	Size mm	B	ØC	ØD
01	2"	50	50	60	105
02	2½"	65	65	75	124
03	3"	80	76	90	134
04	4"	100	100	115	172
05	5"	125	125	135	196
06	6"	150	150	165	220
07	8"	200	200	220	276
08	10"	250	250	265	338
09	12"	300	300	320	407
10	14"	350	350	350	448
11	16"	400	400	400	514
12	18"	450	450	450	549
13	20"	500	500	500	603

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DECOEN Tech is committed to providing high-quality valve solutions by partnering with trusted manufacturers across the industry. All products offered through DECOEN Tech are designed and engineered by their respective OEMs to perform safely and reliably when properly selected for the intended application.

Because these products may be used in a wide range of industrial processes and operating conditions, DECOEN Tech may provide general guidelines, but cannot offer specific information or warnings for every possible scenario. Therefore, the purchaser or end user bears the ultimate responsibility for the correct selection, sizing, installation, operation, and maintenance of the valves supplied through DECOEN Tech.

Users are strongly advised to read, understand, and follow the Installation, Operation, and Maintenance (IOM) manuals provided by the original manufacturer, and ensure that employees and contractors are properly trained in the safe handling and use of these products.

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