

A technical line drawing of a check valve assembly, showing various components like the valve body, stem, and disc, rendered in a blue-tinted style.

KFTE VALVE

Ultimate Craft Cast Advanced Industry

CHECK VALVE OVERVIEW

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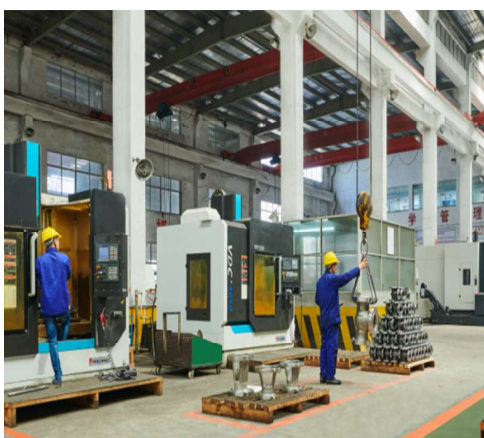
Web Site: www.kftevalves.com

ABOUT US

KFTE VALVE is an ISO 9001 & CE certified company specializing in manufacturing industrial valves including ball valves, gate valves, globe valves, check valves, plug valves and butterfly valves in carbon steel, stainless steel, duplex stainless and alloy materials. Our products conform to the latest industry standards in accordance to ANSI, ASME and API.

KFTE today has over 400,000 square feet of manufacturing facilities. Through its conviction to provide only the finest quality products and services to match the need of our customers, KFTE has now established itself as a serious player in the valve business.

KFTE VALVE has sold worldwide in North America, Europe, South America, South Asia, Africa and the Middle East. We consider product quality and customer satisfaction as our highest priority. We look forward to new customer relationships by providing value, quality, customer service, honesty, integrity and the commitment to maintain product consistency with each and every order.



CHECK VALVE

INTRODUCTION

FEATURES



Swing Check Valve

Swing check valve is provided with single disc. With the force of medium, the disc will automatically open or close around the fixed pin shaft. When the media stops the flow, the disc will be closed under its own force; No manual intervention is involved in the whole process.

KFTE swing check valve offers simple structure, less parts, convenient maintenance and repair and low failure rate. The full open disc design is applied to provide a larger opening flow area after disc opening, small fluid resistance and large valve flow coefficient.

Counter weight or damp structure can be applied to reduce the impact of water hammer while disc opening.

INTRODUCTION

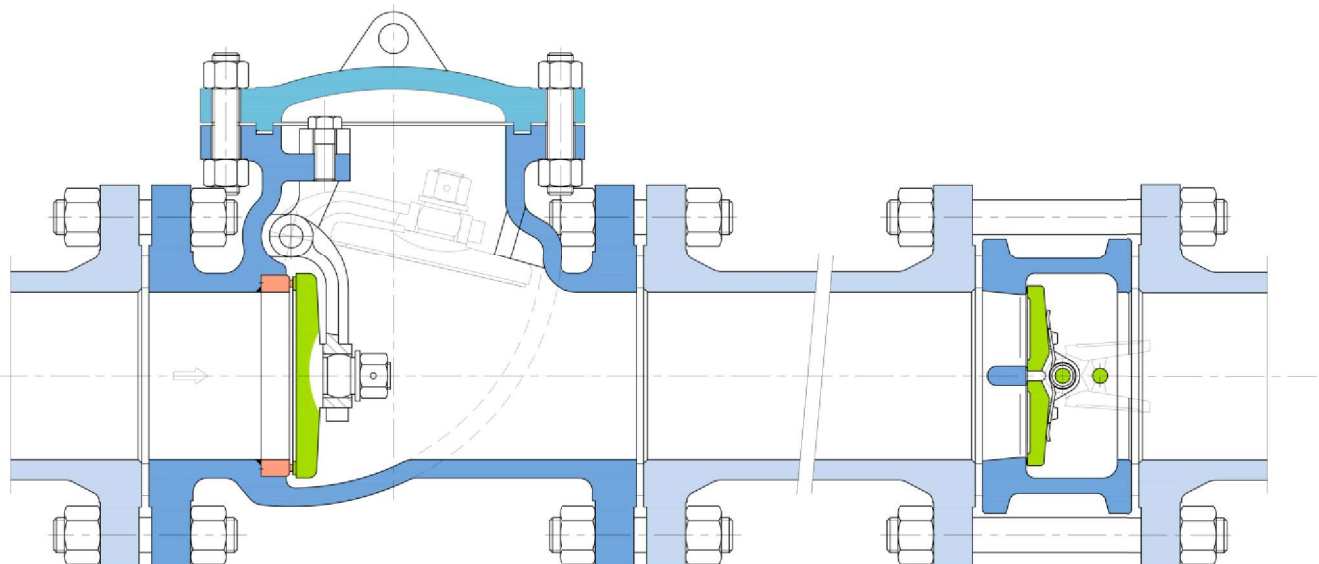
Check valve is installed on the pipeline to prevent the media reverse flow and ensure one-way flow of media channels only.



Dual Wafer Check Valve

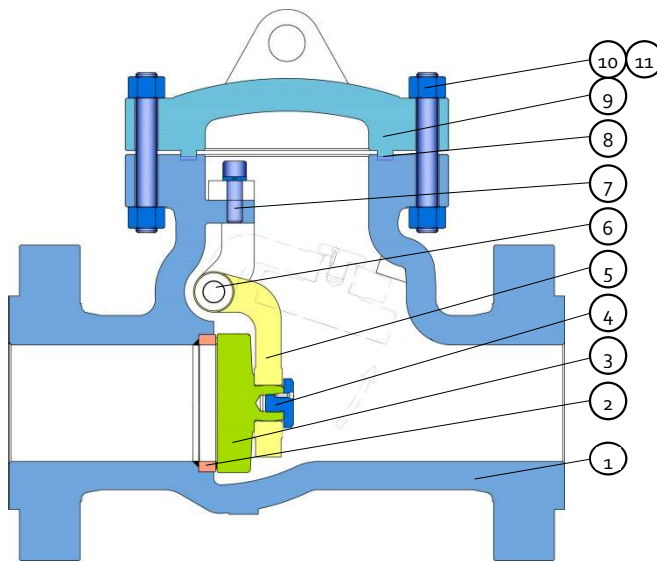
Dual wafer check valve has dual disc. Under the force of medium, the disc is rotated around the same shaft pin, and it closes automatically with the force of spring while the medium stops flow.

KFTE dual wafer check valve offers easy assembly and maintenance as well as quick open and close. Single disc wafer, dual wafer, axial flow, quick opening and slow closing action with damping check are available based on different request of service.



CHECK VALVE

OVERVIEW (Swing Type)



STANDARDS

Design & Manufacture	BS 1868, ASME B16.34 API 6D
Face-to-face	ASME B16.10
End Dimension	ASME B16.5 (RF, RTJ), ASME B16.47 (RF, RTJ) MSS SP-44 (NPS 22 Only) ASME B16.25 (BW)
Test & inspection	API 598, API 6D, ISO 5208

TYPICAL MATERIALS

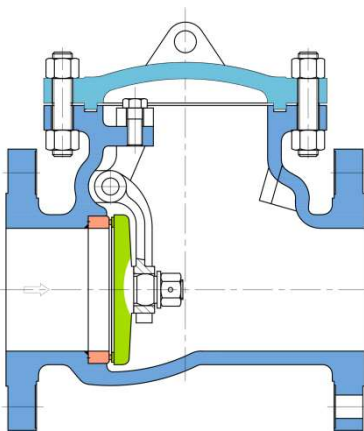
Body,	(Casting) A216 WCB, A217 WC6, WC9,
Cover,	A351 CF3, CF8, CF3M, CF8M,
Disc	A995 4A, 5A, A352 LCB, LCC, LC2, Monel, Inconel, Hastelloy

Part List

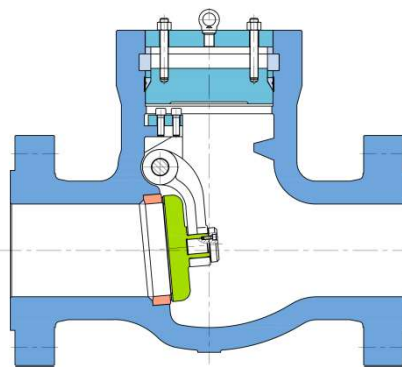
1 Body	7 Screw
2 Seat Ring	8 Gasket
3 Disc	9 Cover
4 Disc Nut	10 Nut
5 Hinge	11 Stud
6 Pin	

Seal Surface	13Cr/SS304/SS316/STL, HNBR, FKM
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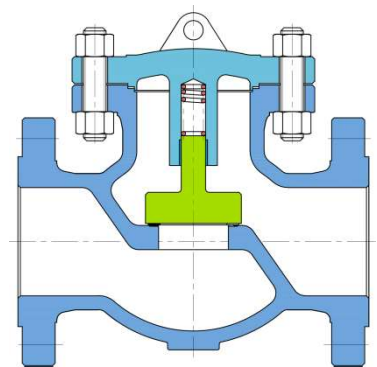
Typical Check Valve



Bolted Cover Swing Check Valve



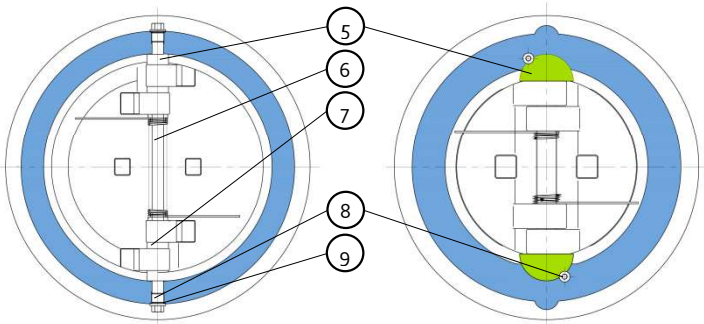
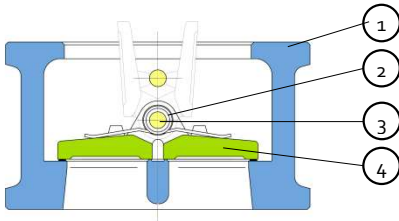
Pressure Seal Cover Swing Check Valve



Bolted Cover Lift Check Valve

CHECK VALVE

OVERVIEW (Wafer Type)



External Pin Structure

Internal Pin Structure

Part List

- 1 Body
- 2 Spring Seat
- 3 Spring
- 4 Disc
- 5 End Retainer

- 6 Pin
- 7 Middle Retainer
- 8 Screw
- 9 Washer

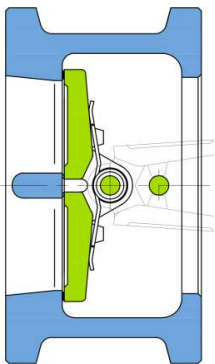
STANDARDS

Design & Manufacture	API 594, ASME B16.34 API 6D
Face-to-face	API 594, ASME B16.10
End Dimension	ASME B16.5 (RF) ASME B16.47 (RF) MSS SP-44 (NPS 22 Only)
Test & inspection	API 598, API 6D, ISO 5208

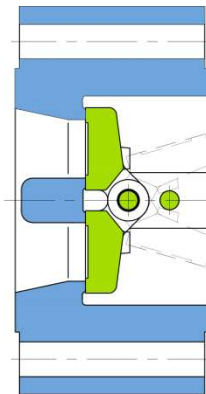
TYPICAL MATERIALS

Body, Disc	A216 WCB, WCC, A217 WC6, WC9 A351 CF3, CF8, CF3M, CF8M, A995 4A, 5A, Monel, Inconel, Hastelloy
Seat	FKM, HNBR, EPDM,
Pin	A276 410, 304, 316,
Spring	Inconel x750

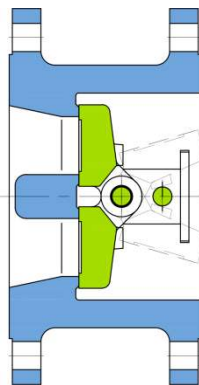
Typical Wafer Check Valve



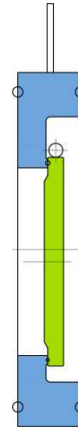
Wafer Type,
Dual Plate



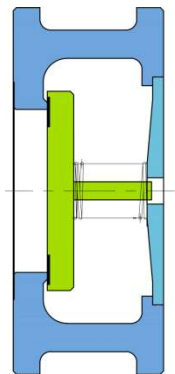
Lug Type,
Dual Plate



Flanged Type,
Dual Plate



Wafer Type,
Single Plate



Wafer Type,
Lift Type