

## Dual Plate Check Valve

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## Product Standard:

API 594  
API 6D  
BS 6364  
MESC SPE 77/200

## Product Feature:

- Minimum design temperature -196°C
- Lighter in weight and smaller in size compared to a conventional swing or lift check valve.
- No Water Hammer and Non-Slam simultaneously due to spring assisted closing when the flow velocity approaches zero and well before the flow reverses.
- Installation in horizontal and vertical (upward flow).
- Widely used in Oil & Gas, Refinery, Chemical, LNG, Power and Water industry for gases, liquids, steam and corrosive services.

## Valve Production:

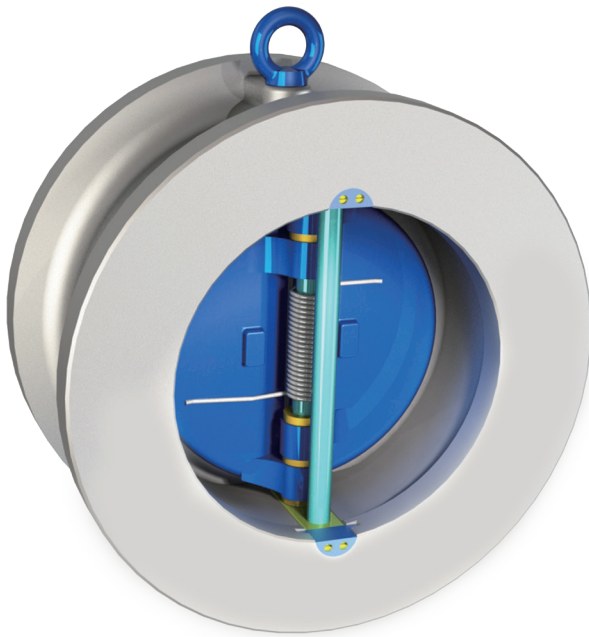
- Own foundry for quality casting supply.
- High-precision machining and grinding to ensure the valve performance.
- Complete in-house examination and testing.

## Complete Research and Development Test Lab



The company has a full set of cryogenic valve test equipment, including full-size liquid nitrogen pool, valve seat leakage flowmeter, torque and test machine, helium detector, to provide capability and product research and development and production test.

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## Design Features:

### Retainerless Design

Retainerless valve body by means of internal hing pin design has no leakage point penetrated the wall.

### Soft Seat / Metal Seat

The soft seat is vulcanized with NBR, EPDM and VITON. The metal seat is hardfaced with CoCr alloy. Other materials are available upon request.

### Low Cracking Pressure

Optimize the design of disc and spring to minimize valve cracking pressure and reduce the pressure drop. The minimum cracking pressure could be 0.001Mpa.

### Seating Surface

Optimize the disc design to ensure sealing surface seated evenly. Ground and lap seating surface for metal-seated valve to ensure the seat leakage requirements even low pressure gas test.

## Product Range

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2-48" CLASS 150/300/600 Wafer type / Lug type / Flange type

2-36" CLASS 900 Wafer type / Lug type / Flange type

2-24" CLASS 1500 Wafer type / Lug type

2-12" CLASS 2500 Wafer type / Lug type



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