



Dual Plate Check Valve

Engineered Flow Control

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CHAODA'S DUAL PLATE CHECK VALVE

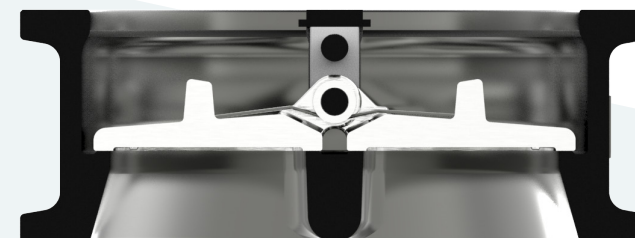
The Chaoda Group is proud to be able to offer a complete line of dual plate check valves for every combination of conditions in preventing flow reversal in piping systems with field proven designs, the latest in processing technology, and high efficiency manufacturing – **to create the highest quality Dual Plate Check Valve at an extremely affordable price.**

We are a fully integrated manufacturer owning all of the processes required to produce severe service valves. From the design to the foundry to the machining, processing to the assembly and test, we own it and we control it. This streamlined, tightly controlled system generates highly consistent products tailored to your needs at a cost that won't break the budget.

Since 1984, The Chaoda Group has been committed to producing high quality valves for industry at a competitive price. Consistency in ownership has kept this strategy on track and maintained a philosophy of ongoing investment in Research and Development as well as manufacturing efficiencies all aimed at staying ahead of the competition. The result is ultimate blend of high quality Dual Plate Check Valve that you can afford to buy!



Top Cross Section



Specifications & Information

The valve is available in the sizes, pressure classes, materials, and configurations required to meet the most demanding of applications. Product range includes, but is not limited to:

SIZES: 2" to 88"

ASME PRESSURE CLASS: 150 through 2500

STYLES: Wafer, lug, and double flanges body styles. Wafer configurations are a retainerless style.

BODY MATERIALS: Carbon Steel, Stainless Steels, Duplex Stainless Steel, Super Duplex, and others. Integral and overlaid metal seats are standard.

END CONNECTIONS: Raised Face, Plain Face, Ring Joint

INDUSTRY STANDARDS*

| | |
|---------------------|---------------------------------------|
| API 594 | Valve Design |
| API 598 | Valve Pressure Testing and Inspection |
| ASME B16.5 & B16.47 | Flanges |
| ASME B16.34 | Pressure/Temperature Ratings |
| (PED) 97/23/EC | Pressure Equipment Directive |

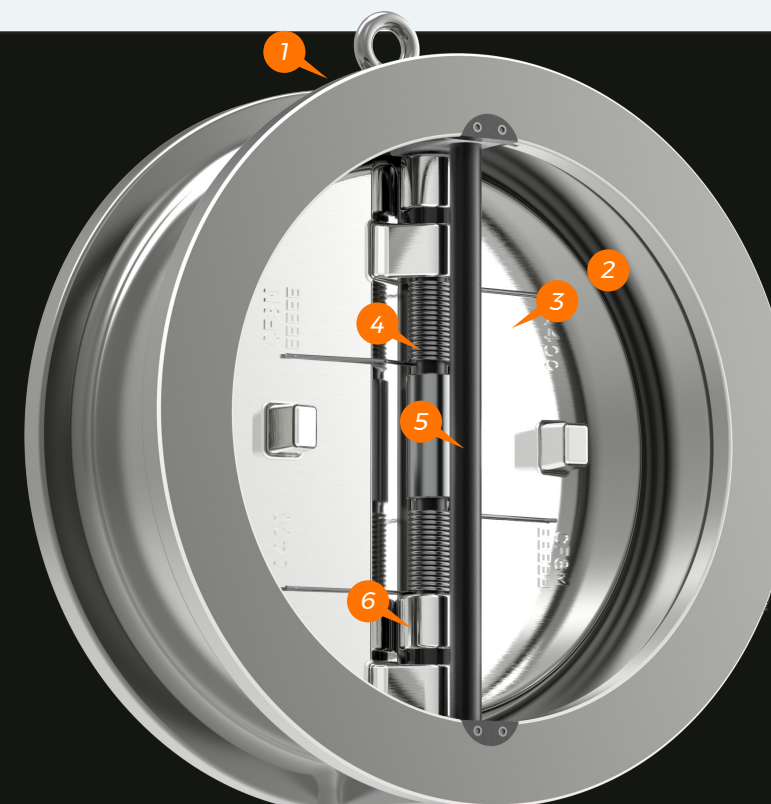
*Consult Factory for Other Specification Requirements

TYPE OF GENERAL PRODUCTS

| | | | | | | |
|------------------------------|------------------------|---------------------------|--------------------------------|---------------------------------|---------------------------------|----------------------------------|
| MATERIAL FOR MAIN PARTS | BODY | ASTM A216 WCB (ASTM A105) | ASTM A351 CF8 (ASTM A182 F304) | ASTM A351 CF3 (ASTM A182 F304L) | ASTM A351 CF8M (ASTM A182 F316) | ASTM A351 CF3M (ASTM A182 F316L) |
| | DISC | ASTM A351 CF8 | ASTM A351 CF8 | ASTM A351 CF3 | ASTM A351 CF8M | ASTM A351 CF3M |
| | STEM | ASTM A182 F6 | ASTM A182 F304 | ASTM A182 F304L | ASTM A182 F316 | ASTM A182 F316L |
| | SPRING | INCONEL 750 OR 304 | INCONEL 750 OR 304 | INCONEL 750 OR 304L | INCONEL 750 OR 316 | INCONEL 750 OR 316L |
| APPLICABLE WORKING CONDITION | APPLICABLE MEDIUM | WATER, STEAM, OIL, ETC. | NITRIC ACID MEDIUM (CORROSIVE) | STRONG OXIDIZING MEDIUM | ACETIC ACID MEDIUM (CORROSIVE) | UREA MEDIUM (CORROSIVE) |
| | APPLICABLE TEMPERATURE | -29°C - 425°C | -196°C - 540°C | -196°C - 425°C | -196°C - 540°C | -196°C - 455°C |

*Other Materials Available Upon Request

A CLOSER LOOK



- 1. Body** - Provides structural and pressure tight integrity.
- 2. Precision Seating Surfaces** - Maximized sealing surface for reliable isolation.
- 3. Internal Body/Disc Retention System** - Endures under pressure and wear. Lightweight design for efficient seating and operation. Plates open and close without seat scrubbing.
- 4. High Strength Spring** - For consistent loading of the body to disc faces. Spring action closes plates immediately.
- 5. Stem** - Designed to provide high strength for endurance.
- 6. Hinge Support Sleeve** - Reduces Friction and Minimizes Water Hammer through independent plate suspension.



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