The two-door wafer check valve shall be compact wafer design to fit between ANSI flanges. The check valve doors shall be spring-loaded closed, by means of one or more heavy-duty stainless steel torsion springs. Flow shall cause the doors to open and upon pump shut down, the torsion spring will shut the doors, before reverse flow starts, for non-slam closure.

Seating shall be resilient Buna-N®, watertight and molded to the body. Valves 10" and larger shall be supplied with an eye bolt for lifting. The valve shall be a Cla-Val Series 582 Valves sizes 2" - 6" with alignment grooves for mounting between 150 or 300 lb. flanges. Valves sizes 8" - 36" inches will be wafer style to be mounted between 150 lb. flanges.

The Cla-Val Series 582 Two-Door Wafer Check Valve has torsion springs that force the two doors to shut before flow reversal, reducing the water hammer potential that normally occurs with single-door swing check valves. To help reduce water hammer, the two-door design also reduces the travel distance from open to shut off for a quicker response. Extremely short in lay length, the valve is both a compact and economical solution. Two-Door Wafer Check Valves are available in sizes 2" to 36". Valve sizes 2"- 6" are dual rated to 150 and 300 pressure classes. Valve sizes 8" - 36" are rated to 150 pressure class.

Although lighter in weight than globe style swing check valves, Cla-Val Two-Door Wafer Check Valves are designed for heavy-duty applications. For ease of installation, valves 10" and larger are supplied with a tapped hole for installing a lifting eye bolt.

**Materials**

**Valve Body:**
Ductile Iron - ASTM 536 65-45-12

**Doors:**
Aluminum Bronze ASTM B148

**Disc & Seat:**
Stainless Steel

**Spring:**
Stainless Steel

**Note:** Standard offering is two-part epoxy coating interior and exterior

---

**Flow in Gallons Per Minute**

---

**Head Loss in Feet of Water**

---

**FM APPROVED**

4 through 12-inches

---

**ULUS**

8 through 12-inches

---

**ASTM INTERNATIONAL**
582 Series - Two-Door Wafer Check Valve

Notes

Install the Cla-Val Series 582 Two-Door Wafer Check Valve between two standard flanges in the horizontal or vertical, flow up position.

For horizontal flow, this valve must be installed with disc hinge pin in the vertical position to ensure proper operation.