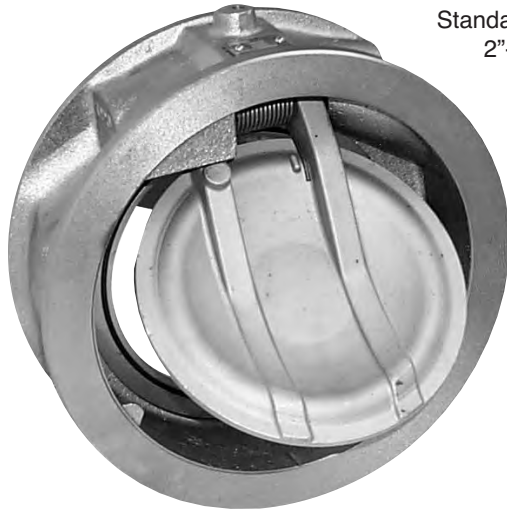




# Series 501A

## Wafer Swing Check Valve



Standard Style  
2"-12"

- Low Head Loss
- Watertight Nitrile Seat
- Spring Assisted, Fast Closure
- Extremely Light Weight

### DESCRIPTION

Cla-Val Series 501A Wafer Swing Check Valve has a quick, spring-assisted closure that minimizes the possibility of water hammer. The swing check design offers low head loss and a full-flow passageway making it ideal for water or wastewater applications. The short lay length of the valve allows for a space-saving design. It is available in sizes 2" to 30", with either a 125 lb. or 150 lb. pressure class rating.

Available in a variety of materials, including all 316 stainless steel, the Cla-Val Wafer Swing Check Valve uses a standard soft seat to ensure a drip-tight seal. For ease of installation, valves 6" and larger are supplied with a tapped hole to mount an eye bolt for lifting. All materials conform to ASTM specifications, ensuring performance reliability.

### SPECIFICATIONS

The wafer swing check valve shall have torsional a spring-assisted fast closure to minimize possibility of water hammer. The valve shall be constructed of either cast iron or steel body.

The body shall have a machined dovetail groove to retain a field replaceable Nitrile (Buna-N®) Seal that provides water-tite shut-off at low/high pressure

The valve disc/arm assembly shall be one piece design utilizing an integral disc arm for connection to the shaft for positive shut-off and no disc flutter.

For corrosion resistance the valve shall be Electroless Nickel Plated

#### Valve Body:

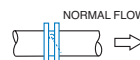
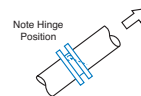
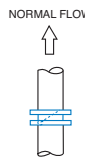
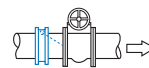
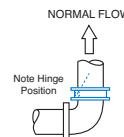
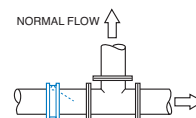
- 2" - 12" Cast Iron ASTM A48  
Electroless-Nickel Plated
- 14" - 30" Carbon Steel ASTM A216 WCB  
Electroless-Nickel Plated

#### Valve Trim:

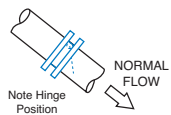
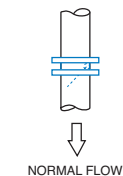
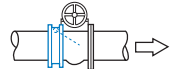
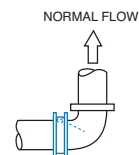
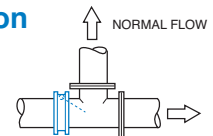
- 2" - 12" 316 Stainless Steel ASTM A23,  
14" - 30" Carbon Steel ASTM A216 WCB  
Electroless-Nickel Plated
- Seat O-ring: Nitrile, Other Seat Materials Available

All materials conform to ASTM specifications, The valve shall be a Cla-Val Series 501A Wafer Swing Check Valve, Newport Beach, CA 92659-0325

### Typical Applications with Correct Valve Location



### Avoid These Applications with Incorrect Valve Location



Note: Allow minimum (2) pipe diameters clearance downstream of check valve with disc open to promote smooth flow

### Recommendations for Installation Position

1. Install the valve in horizontal or upward flow for proper valve closure.
- Caution: Do not use with reciprocating compressors, or in other pulsating services.