

# Swing check valve manufacturer in USA

Valvesonly is the finest [Swing check valve manufacturer in USA](#). A Swing check valve is a type of valve that employs a swinging disc to permit or obstruct the passage of fluid within a pipeline. The disc swings open as fluid moves through the valve, and it shuts when the flow ceases, thereby averting backflow and safeguarding equipment from potential harm. It operates via a hinged disc to regulate fluid flow in a pipe. Fluid enters the valve through the inlet and prompts the top-hinged disc to open. Subsequently, the fluid flows through the valve and exits via the outlet. This valve permits fluid to flow in one direction when it's pushed open by incoming fluid. In instances of halted flow or backflow, the disc pivots shut, effectively halting further fluid passage. It can be crafted from various materials such as stainless steel, carbon steel, or bronze. Its primary objective is to manage fluid flow within a pipeline and inhibit backflow, which has the potential to inflict equipment damage or compromise the fluid's purity.

Valvesonly is the one of the most [Swing check valve manufacturer in the USA](#). In summary, the Swing check valve is engineered to forestall backflow in pipeline systems and shield downstream machinery from potential harm due to reverse flow.

## Parts:

- Body
- Disc
- Hinge pin
- Seat
- Spring
- Body cover

## Advantages:

- Simple design
- Low pressure drops.
- Low maintenance
- Appropriate for a diverse array of uses.
- Can be positioned in pipelines, whether they run horizontally or vertically.

## Industries that use swing check valves:

- Water treatment
- Wastewater treatment
- Oil and gas
- Chemical processing

### Applications:

- Preventing backflow in pipelines
- Shielding pumps and other machinery from harm caused by the reversal of fluid flow.
- Controlling flow direction in piping systems
- Utilized as a safety mechanism within pipelines to avert harm stemming from excessive pressure or vacuum conditions.

### Description-

- Body materials: Aluminium bronze, cast Iron and ductile Iron, Cast steel (A216 WCB, WCC, LCB, LCC, WC6, WC9), Ductile iron, Stainless Steel [SS316, SS304, SS316L, SS904L, CF8, CF8M, F304, F316, F31L, F51, F3, F55, F91] Duplex Steel (F51, F53,5A,4A,6A).
- Class: 150 to 2500, PN10 to PN450
- Size: 1/2" to 48"
- End: Flanged, wafer, lug, threaded, Socket weld butt weld,

<https://valvesonly.com/product-category/check-valve/swing-check-valve/>

