

# Check valve manufacturers in Brazil



South American Valve are a premium [Check valve manufacturers in Brazil](#). We supply to Argentina, Brazil, Colombia and Peru. This is a check valve, or sometimes termed as a non-return valve or one-way valve, which refers to an automatically activated mechanical device that offers one-way flow with the intention of preventing backflow or reverse flow. Essentially, a check valve simply allows fluids or gasses to flow through a pipe or duct in one direction but prevents it from flowing the opposite direction.

## **Operation:**

When fluid or gas is flowing in the desired direction, that is forward flow, it exerts pressure on the movable component and pushes it open to allow the fluid to pass without any problems. However, when flow attempts to reverse direction, that is backflow, then the movable component is forced shut by the pressure of the fluid or by the pull of gravity against the backflow from happening.

The configuration of the check valve is such that the force needed to pull open the valve in the forward direction remains less than the force, which the fluid exerts in the reverse direction, thus making it function efficiently.

South American Valve is a valve company based in Brazil that focuses on manufacturing check valves. Normally, check valves are of the general type of body with an inlet and an outlet port and movable member or part like a disc, ball, or flap displaced open by forward flow and which closes under influence of reverse flow and backpressure. Check valves are found to be extensively used in all kinds of applications and in multiple sectors.

## **Types:**

Swing Check Valves

Tilting Disk Check

Disk Check Valves

Wafer Check Valves

Piston Check Valves

**Benefits:**

Prevents backflow and contamination of fluid or gas supply.

Maintains system efficiency through ensuring that there will always be flow direction control.

It reduces the danger of damage to equipment and pipelines caused by reverse flow.

It can be installed horizontally and vertically in piping. Since it possesses very simple construction and operation, it demands less maintenance.

**Applications:**

As [Check Valve Manufacturers in Brazil](#), our check valves are used by various industries like:

Oil and Gas

Chemical Processing

Water Treatment

Pumps and Compressors

Steam Systems

Fire Protection

Power Generation

Marine and Shipbuilding

Mining and Minerals

Aerospace

Automotive

Wastewater Management

**Description:**

Body Material- Cast Iron and Cast Steel (LF2, A216, WCB, WCC, LCB, LCC, WC6, WC9), Ductile Iron, Stainless Steel [SS316, SS304, SS316L, SS904L, CF8, CF8M, F304, F316, F31L, F91], Duplex and Super duplex steel [F51, F53, F55] Forged Steel A105, A105N, F11, F22, F304, F316, F91] Alloy20, Hastelloy, ALBR.

Size- ½" – 80"

Class-150 – 2500; PN10 – PN-450

Ends-threaded, socket weld, butt weld, flanged, lug, wafer

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