

Forged steel gate valve manufacturer in Brazil

South American valve is a well known [Forged Steel Gate valve manufacturer in Brazil](#). A Forged steel gate valve is a type of valve used to control the flow of fluid in a pipeline. It features a gate or wedge-shaped disc that moves up and down to either block or allow the flow of fluid.

The Gate is typically guided between two seat rings to ensure proper alignment and sealing when closed. Forged steel gate valves are known for their durability and ability to withstand high pressure and temperature conditions.

What is the difference between cast steel and forged steel valves?

The primary difference between cast steel and forged steel valves lies in their manufacturing processes and resulting properties. Cast steel valves are made by pouring molten steel into a mold, allowing for complex shapes and larger sizes at a lower cost. However, they may have a more granular grain structure, potentially leading to defects and reduced durability under high-pressure or high-temperature conditions. On the other hand, forged steel valves are produced by shaping heated steel using forging machinery, resulting in a stronger, more compact grain structure

Advantages:

- They have low fluid resistance.
- They have superior sealing capability.
- They come with a wide application range.
- They have dual flow directions.

Industries:

South American valve is a well known [Forged Steel Gate valve manufacturer in Brazil](#) Catering to industries like

- Textile.
- Power generation.
- Refineries.
- Petrochemical plants.
- Shipbuilding.
- Chemical industry.
- Paper factories.

Description:

- Available materials: SS304, SS904, SS904L, SS316, Aluminium Bronze, Monel, Bronze, Brass, Duplex steel, In coloy, Titanium, WCB, CF8, CF8M, CF3, CF3M, WC1, WC6, WC9, Cast iron, super duplex
- Size: 1/2"- 64"
- Class: 150 to 2500

- Nominal Pressure: PN10 to PN450
- Operations: Hand Wheel Gate valve, Gear operated Gate valve, Electric actuated Gate valve and Pneumatic Actuated Gate valve
- Ends: Flanged, Buttweld, Socket weld, Threaded

Visit us to know more:

<https://www.southamericanvalve.com/product/forged-steel-gate-valve/>

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