

Pilot Operated Safety Valve Supplier in Colombia



South American Valve is a reputed [Pilot Operated Safety valve supplier in Colombia](#). A pilot-operated safety valve is a type of pressure relief valve that uses a small pilot valve to control the main valve. This design allows the main valve to handle high pressure and large flow rates with precision and reliability. When the system pressure approaches the set point, the pilot valve opens, allowing pressure to act on the piston or diaphragm in the main valve. This action causes the main valve to open, relieving excess pressure from the system. Once the pressure drops below the set point, the pilot valve closes, and the main valve returns to its closed position. South American Valve is a top [Pilot Operated Safety valve supplier in Colombia](#). An additional benefit of pilot-operated safety valves is their ability to remain tightly sealed under normal operating conditions, minimizing leakage and ensuring system efficiency.

This tight sealing capability is particularly valuable in applications involving hazardous or expensive fluids, where even minor leaks can lead to significant safety hazards or financial losses. Furthermore, these valves can be equipped with features such as remote sensing and control, allowing for real-time monitoring and adjustments to ensure optimal performance. This adaptability makes pilot-operated safety valves a preferred choice for modern industrial systems that require precise and reliable pressure relief solutions, enhancing overall safety and operational efficiency.

How does a pilot safety valve work?

When the pilot valve reaches set pressure it opens and releases the pressure from the dome. The piston is then free to open and the main valve exhausts the system fluid. The control pilot opens either to the main valve exhaust pipe or to atmosphere. At set pressure the valve snaps to full lift.

Advantages:

- This helps prevent damage, distortion, and potential leaks that could result from pressure build-up.
- By relieving excess pressure, safety valves help extend the lifespan of equipment and reduce maintenance costs.
- Flexibility and adaptability

Industries:

- Oil and Gas Industry
- Petrochemical Industry
- Energy Industry
- Chemical Industry
- Mining Industry
- Marine Industry
- Textile Industry
- Steel Industry

Description:

- Body Material: Steel (A216 WCB, WCC, LCB, LCC, WC6, WC9), Stainless Steel [SS316, SS304, SS316L, SS904L, CF8, CF8M, F304, F316, F31L, F51, F3, F55, F91] , WCB, WC6, SS304, SS316, DUPLEX STEEL.
- Class – 150 – 2500
- PN 10 – PN 450
- Size – ½ – 24"
- Ends- Butt welded, Socket welded, Flanged, Threaded

Visit us to know more:

<https://www.southamericanvalve.com/product-category/pilot-operated-safety-valve/>

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