

## Pressure reducing valve manufacturers in Mexico

South American Valve is one of the leading [Pressure reducing valve manufacturers in Mexico](#). A pressure-reducing valve maintains downstream or upstream pressure regulation through self-actuation. These control valves' primary job is to change the increased pressure into a substantially lower pressure. They work in the oil and gas, steam, and water industries extensively. In a steam system, a pressure-reducing control valve and a spring balance the steam pressure.

The choice of a valve type and its operation method depends on factors such as the intended application, required precision, and the characteristics of the fluid being controlled. The operation of the pressure-reducing valve depends on regulating the intake pressure to a certain needed outlet pressure and then relying on the energy of the medium to keep the outlet pressure constant. This is performed through throttling and modulating the opening and closing sections. Reduced medium pressure as a result automatically satisfies the specified downstream pressure requirements.

### Features:

1. To accurately manage downstream pressure in steam systems, pressure-reducing control valves are utilized. In order to maintain constant pressure even during fluctuations, this valve automatically modifies the valve opening and pressure.
- 2: In some cases, water hammer protection can be achieved by using appropriately chosen pressure-reducing control valves.
3. They can also be utilized as bypass valves to maintain system functionality in the event of a power outage.
4. Control valves that reduce pressure have the ability to react rapidly by detecting and modifying the pressure downstream.

### Pressure Reducing Valves in Action:

- Oil and Gas Industry
- Chemical Industry
- Power Generation (including nuclear, thermal, and renewable energy)
- Petrochemical Industry
- Water Treatment and Desalination Plants
- Manufacturing and Processing Plants
- Refining Industry

### Advantages of Pressure Reducing valve:

- | The use of supplementary or external energy is not necessary.
- | Controlled by Line Pressure Energy.
- | Quick action
- | Maintenance ease
- | Stem packing removes potential causes of increased friction and external leakage.

## **Types**

I Water Pressure Reducing valve.

I Steam Pressure Reducing valve.

I Pilot Operated Pressure Reducing valve.

I Pressure Relief and Sustainable valve.

## **Parts:**

- Body
- Inlet and Outlet Ports
- Diaphragm
- Spring
- Valve Seat
- Valve Disc or Plug
- Adjustment Screw or Knob
- Pilot Valve
- Strainer
- Bonnet
- Piston
- Bleed Hole or Vent

**South American Valve is the best [Pressure reducing valve manufacturers in Mexico](#). specifies in below description:**

- Available materials: Ductile Iron, WCB, WCC, WC6, LCB, LCC, SS304, SS316, Cast iron
- Size: 1/2" to 24".
- Nominal Pressure: PN10 to PN100.
- Class: 150 to 600.
- Ends: Threaded, Buttweld, Socket weld, Flanged

Visit our website:

<https://www.southamericanvalve.com/product-category/pressure-reducing-valve/>

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