

# Pressure Reducing Station

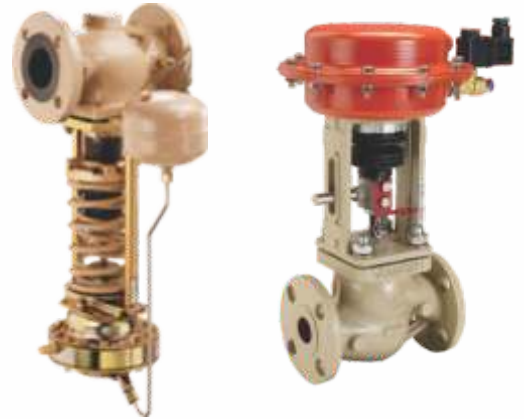
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# Pressure Reducing Station

Steam Pressure reduction is basic need of every process plant, as it is always recommended to operate boiler at its rated pressure, distribute steam at higher pressure & use the lowest possible steam pressure at utilization point.



## Why distribute steam at high pressure & Reduce Pressure at utilisation point?

- Boiler running at lower pressure can cause moisture carryover along with the steam.
- High pressure steam has lower specific volume, which means lower pipe sizes for distribution of steam.
- This reduces initial cost for piping & insulation. Also this reduces the radiation losses.
- Lower the steam pressure higher is the latent heat.
- We offer multiple options for pressure reduction to suit customer requirement.

## Self Operated Pressure Reducing Valve

Self operated steam control valve is the most trusted pressure reduction solution for consistent pressure at user point.

### Features

- **Purely Mechanical:** Needs no Power / Pneumatic Supply.
- **Accuracy:** The Self Operated PRV operates with +/- 2% which is the best accuracy in its range.
- **Running Cost:** The valve is purely mechanical & works on the direct feedback from the downstream of the Pressure Reducing Valve. Hence no pneumatic or electric supply is needed.
- **Easy To Maintain:** Self Operated PRV is very easy to maintain as it has very simple mechanism & it can be repaired without removing from the line.
- **Higher Turn Down Ratio:** Self Operated PRV has high turn down ratio due to which it responds well to the fluctuating loads.

### PID Based Pressure Control Valve:

- We also offer PID based Pressure control valve for the critical applications where process is very sensitive to steam pressure & has heavy steam loads. This type of valve can maintain pressure within + 0.05 bar.  
The system consists of Pneumatic control valve with Electro-pneumatic positioner, pressure transmitter & PID based pressure controller.

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